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Spatial Quality Experienced
in Urban Public Space of Tokyo
through an Interdisciplinary Framework

学際的な枠組みを通じた東京における都市の公共
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Yen-Khang NGUYEN-TRAN

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Sincerely yours,

Yen-Khang NGUYEN TRAN

Abstract

This study aims to propose a user-centered approach to facilitate the investigation of contemporary urban public space in Tokyo. The investigation begins firstly by considering the background of sustainable development in Tokyo and the evolution of public space within the notion of open space in traditional Japan. Then, an interdisciplinary framework was proposed focusing on the user's experience in the exterior space of the mix-used buildings. Secondly, the study applies the framework to investigate two typologies of urban public space with community resilience and with integrated green spaces. Finally, the study concludes on a core factor within the framework, which is spatial affordances and their characteristics such as arrangement and variations are proven to influence the quality of urban public space through the experience of users.

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Abbreviations list

The following table describes the significance of various abbreviations used throughout the thesis. The page on which each one is defined or first used is also mentioned below.

Abbreviation	Explanation	Page
SDGs	<i>Sustainable development goals</i>	4
UPS	<i>Urban Public Space</i>	4
MUB	<i>Mix-Used Building</i>	15
POPS	<i>Privately Owned Public Space</i>	16
SA	<i>Spatial Affordance</i>	16
OSUG	<i>Open Space with Urban Gardening</i>	46
RG	<i>Rooftop Garden</i>	72

Chapter 1 Introduction

Section 1.1 Background: urban public space and user-centered approach

1.1.1 Urban Public Space in Japan and Tokyo

1.1.2 Quality of Urban Public Space with user-centered approach

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1.1 Background: Urban public space and user-centered approach

The impact of climate uncertainty has become critical on a global basis. Problems such as frequency extreme weather, heat stress, lack of resources in land use, environmental pollutions are amplifying in urban areas. Since over half of the global population is concentrating in urban areas, compact cities have a vital role in addressing these challenges¹⁾. The original idea of the Compact City refers to the infrastructure, transport, mix-used and density settlements to increase the level of compacity, efficiency and ecological-friendly²⁾, which was successfully developed in Japan. However, as indicated in Fig.1-1, the urban dweller's well-being in Japan is still "Moderately improved" by the current efforts to reach sustainable development goals (SDGs). The quest to enhance urban well-being could be achieved via a better living environment for the urban dwellers by investigating the quality of urban public space (UPS) to attract people to live and work in a livable and sustainable environment.

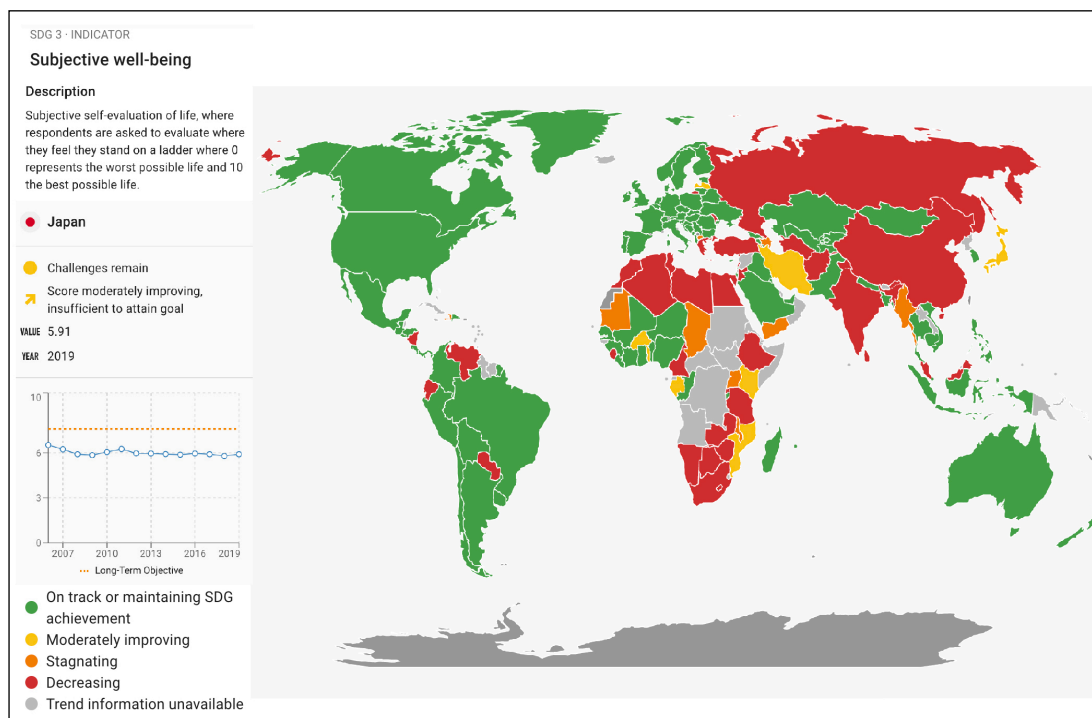


Fig.1-1 Situation of Japan regarding indicator of well-being in SDGs
Source: https://dashboards.sdgindex.org/map/indicators/sdg3_swb

Therefore, this thesis aims to offer a method to investigate the quality of UPS based on an interdisciplinary framework related to user factors. The study takes the cases in Tokyo, where sustainability is tackling urban regeneration³⁾ by adopting the creation of privately owned public space (POPS) in the mix-used building. The quality and liveability of POPS is still a debate, as the initial western concept of public space is different from the way Japanese people consider public events and activities within the urban void. However, as POPS has since thrived in Japanese cities in different ways⁴⁾, the public space-makers have attempted to retrofit POPS initial model through the user-participation practice. To better understand this situation, it is necessary to clarify the definition of UPS adopted in this study and the current trend to create POPS in Japan and Tokyo. Then which factors will determine a good UPS and why the focus of the investigation on a user-centered approach will be explained.

1.1.1 Urban Public Space in Japan and Tokyo

Public space in urban settlement

Public space, as a general notion by Alexander⁵⁾, is "an open land where people can relax, rub shoulders and renew themselves." Traditionally in Europe, it comes as an image of squares, plaza, promenade, parks, waterfront and other public facilities. This space is a product of complex social construction, with an order structured by spatial practices and perceptions. While in Japan, public space is formed without a physical or permanent boundary⁶⁾. Especially in densely built-up Tokyo, privacy is confined within the tiny home space, and residents spent more time outside. Hence, public space traditionally happens on occasion of an event or at a given time, like the festival organized in the precinct of the Shinto shrine. Due to the rapid urban growth since the late 20th century, problems of public space within urban settlements such as availability,

accessibility and security have begun to emerge⁷⁾. The government's effort to install public park and collective space with public amenities have resulted in neglected spaces with poor design during the depopulation and economic decline. Besides, as the tide of globalization dismantling its traditional notion and the creation of UPS via reappropriation of vacant space in the urban settlement, public space today refers to a place that people can access, behave freely and share with other (Fig.1-2). In this regard, UPS in Japan can be understood and investigated by observing the behavioral patterns of users.

Privately owned public space in Tokyo

Since the 1970s, there is an interest in introducing incentive zone, or privately owned public space (POPS) as a partnership with the private sector to produce collective spaces. This typology often taking the form of a delimited open space belong to a mix-used building, where users can access freely and have added functions. Even though the initial model from western planning is not entirely applicable to Japanese particular cultural and spatial contexts, this typology of public space has taken a remarkable rise in Tokyo by the end of the 20th. Attracted by the positive outcome of investment collaboration between the public and private sectors, projects of complex buildings have found ways to integrate the adapted features of Japanese living habits into the design to enhance

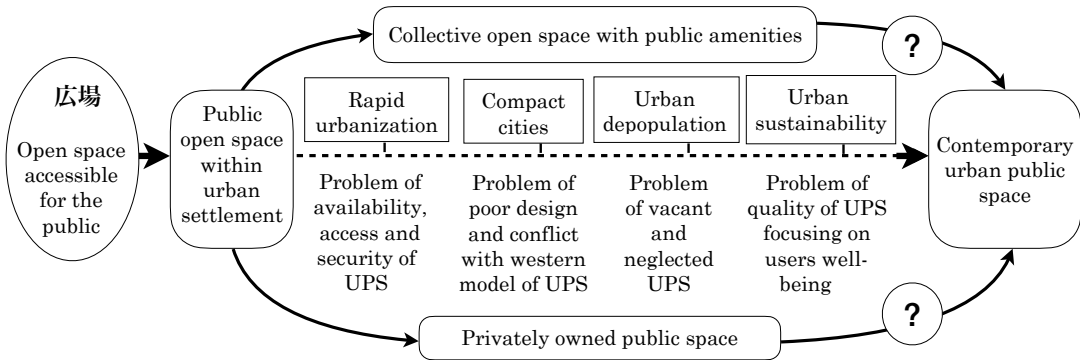


Fig.1-2 The tendency of UPS transformation from the notion of Hiroba
 Source: Author's interpretation

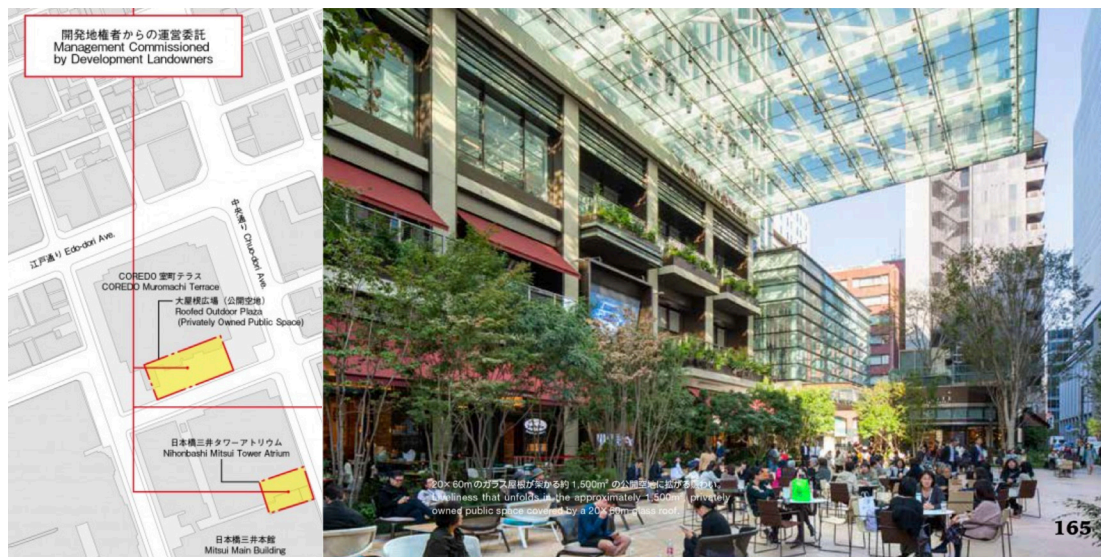


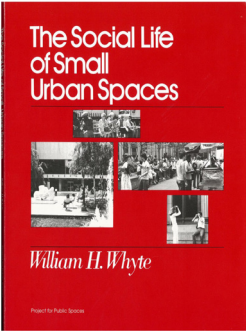
Fig.1-3 Nowadays UPS as POPS partnership between public-private sectors
 Source: 58 public spaces in Tokyo (Shinkenchiku Special Edition, 2020.10)

the quality of POPS. As the metropolis area of Tokyo expands together with the transport network, the tendency to develop public space links to mix-used buildings and train stations, which results in a profitable scheme than quality. These UPS also initiate the urban regeneration process through area branding and contribute to the effort combating the heat island effect through rooftop greening⁸⁾. Often found around the station, belong to a commercial center, within the perimeter of a complex residence housing or on the rooftop of an office building, this type of retrofitted public space is the trend of UPS nowadays in Tokyo (Fig.1-3).

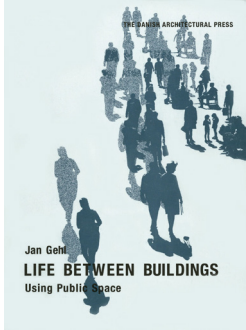
1.1.2 Quality of Urban Public Space with user-centered approach

Despite having a well-design and highly maintenance advantage to reach the global standard, these trendy UPS in Tokyo are seen as homogenous with less attention given to users. Hence, apart from the common opinion considering public space as part of the transport network or urban development, this thesis sought to find the quality in the traditional notion of public space focusing on the user to enhance the well-being of urban dwellers. As since the 20th century, professionals and scholars of urbanism and architecture have been interested in finding

a method defining the quality of UPS (Fig.1-4). Whyte⁹⁾ preoccupied with the socialization of UPS through usage and social behavior. His work use observation and recorded videos to describe the social life of public space, and lingering activities can happen wherever people find the place attractive, even without enough designed sitting places. These observations share a commonality with the study proposed by Gehl¹⁰⁾, which mentioned that high-quality, well-designed public open space tends to enhance the quality of outdoor life between building by affecting the community's closeness and the city's livability. Considering the quality of UPS as life in outdoor space, his works emphasize the human dimension where communication can be made simply by seeing, and minimal duration of stay can contribute to social life. As inspired by the above research, investigation on UPS in this study will adopt a user-centered approach to define the factors of quality.



William H. Whyte (1980)
The Social life of small Urban Spaces



Jan Gehl (1971)
Life between Buildings - Using Public Space

Fig.1-4 Image of good quality public space in pionner research on UPS
Source: books of Whyte and Gehl

1.2 Aim of the thesis on the investigation of Urban Public Space

For a long time, scholars in urbanism and architecture have assembled a significant knowledge of the Quality of UPS through human spatial and perceptual factors. The thesis is built on this multidisciplinary knowledge that attempts to tackle the Quality observed previously via a user-centered approach, defined as Spatial Quality Experienced. However, with the evolution of UPS in Tokyo resulting from the recent rapid urban growth, cultural appropriation and environmental threat, the thesis looking for alternative approach to Spatial Quality Experienced. Then, the hypothesis state that to investigate such Quality, it is necessary to establish an Interdisciplinary framework with a user-centered approach.

Therefore, this thesis takes on the quest to tackle the Spatial Quality of UPS in Tokyo. Through the interdisciplinary framework, it aims to define the core factors facilitating the investigation of contemporary UPS. The interdisciplinary framework aims to not further adding another layer of empirical works on the indicators of Quality in UPS, which will make the investigation becoming more an arduous process, but looking for the synergy of parameters related to the user of UPS. Secondly, by applying the framework to the selected case studies in Tokyo, this study focuses on demonstrating how the Spatial Quality of UPS in different contexts of settings will be experienced differently by users. The thesis aims to further contribute to a better understanding of the essential factor for the collaboration of future UPS design in Tokyo.

1.2.1 Theories related to user-centered research in Urban Public Space

To properly understand the dimension of a user in UPS, this study is based on several theories explained below. These theories are related to the human aspect and focus on a method to investigate UPS through the user-centered approach.

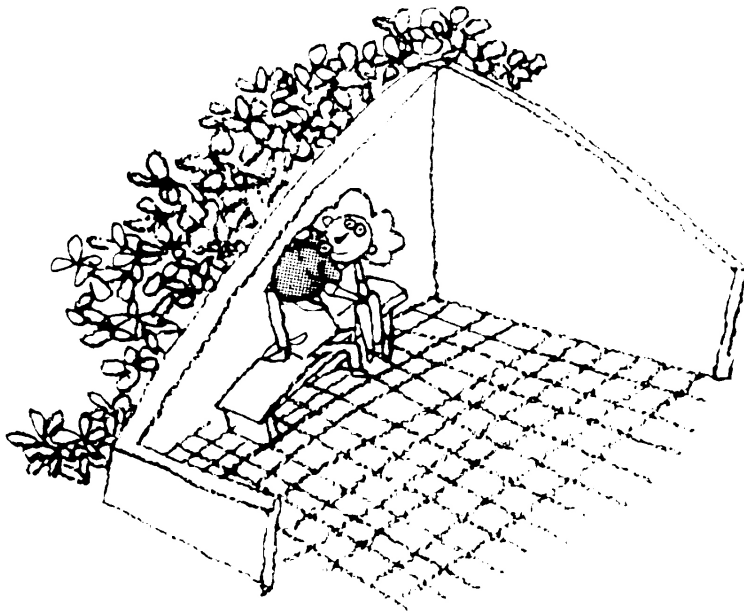


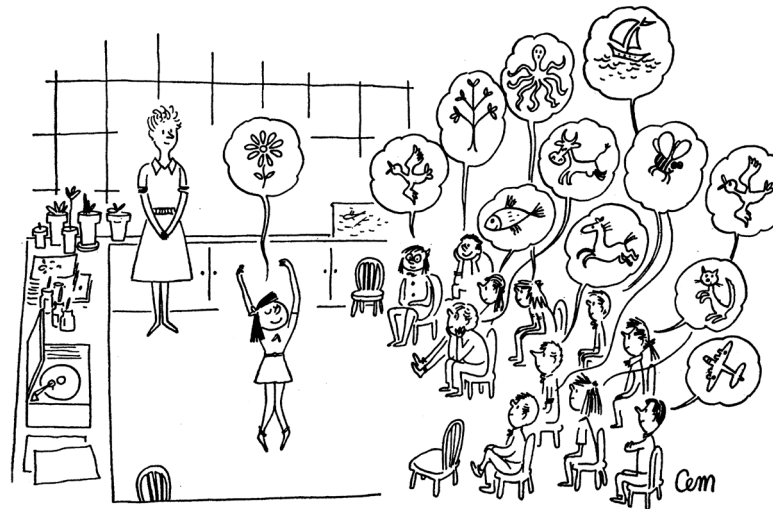
Fig.1-5 Exterior space design for non-movement activities
Source: *Exterior design in architecture* (Ashihara, 1970)

The setting based on the human scale

Ashihara¹¹⁾ defines the exterior space as "architecture without a roof". This space is created by a delimiting nature (Fig.1-5). The planning, enclosure, hierarchization and sequences of exterior space need to be carefully considered. Method to comprehends exterior space in his discourse is always related to the human scale, as it is brimming with human intentions and functions. His work and other similar essays on the dimension of humans in UPS, like the one from Gehl, will be discussed in further chapters to determine the factors composing the Setting of UPS.

The experience based on the spatial affordances

The terms of "Affordance" introduced and defined by Gibson¹²⁾ presents a world of meaningful objects and events that are recognized by human perceptual experience. This experience is an ongoing process following the change of the human attributes toward the environment setting. Barker¹³⁾ emphasizes that the settings could take on a different meaning at different times, places, or within a different collective imposed-action.



Drawing by Charles E. Martin -1961
in The New Yorker Magazine, Inc. (1989)

Fig.1-6 The interpretation of experience differ between users
Source: *People, Path, Purpose* (Thiel, 1997)

This argument could be applied to the situation of POPS in Tokyo, with the original model of POPS is adapting to a particular cultural and social context and be influenced by global background and movement. This interdependence of behavior and environments results in a "Behavior Setting", which is studied and analyzed by Thiel¹⁴. In his book, Thiel provides a complete approach in the understanding of the behavioral patterns of human attributes trying to bridge the gap between the architect and the user within the design process (Fig.1-6). His study mentioned that the correspondence between outer reality (objective/ physical world) and the inner one (subjective/ perceived world) is not a linear process. This idea suggests that the relationship between the human dimension, as Setting, and human perception, as Experience, should be investigated through the interpretation of various factors.

1.2.2 Object of study

When talking about public space in European cities, the first thing that comes to mind is the image of a square or plaza. Purposely create by democracy initiative for people access by disregarding their social status,



Fig.1-7 Hiroba as public space in Japan - Togoshi Hachiman shrine
Source: Author's photos

this large-scale open space usually has a simple shape, accentuates on monumental ornaments and locates at the place where most of the city inhabitants are familiar. The charming of UPS in Europe lies in the void, where open space has a clear contrast with the dense and uniformity of blocks and the building's facade. Contradictory, when talking about Japanese public space, most of the discussion mentions the image of Hiroba (広場) and it is usually linked to the precinct of the Shinto shrine (Fig.1-7) or the market during the Edo period. The Japanese open space is not associated with static and monumentality, but the spontaneous events at the human scale (Hidaka, 2001)⁶⁾. As said, the special characteristics of the contemporary UPS identified in this thesis are those particular traits of intervention to enhance Spatial Quality comprehend by the human. It is inspired by the work in Tokyo Void¹⁵⁾, which explains how the appropriation of the void is becoming a trigger for the new types of UPS in Tokyo, relating to people and vegetation. Specifically, as the object of study for Spatial Quality, the investigation will focus on two typologies of UPS. One associating with user-participation activities, or

the community, is defined as UPS with community resilience. The other one associating with the vegetation, or garden, is defined as UPS with integrated green spaces.

UPS with community resilience

Community resilience is chosen for its importance for the process of urban regeneration related to SDGs¹⁾. It is the notion of the resiliency of everyday life, of the informal practice of common people in Tokyo, contradictory to the commercial facade of Tokyo's chaotic cityscape and fast-paced lifestyle (Fig.1-8). It demonstrates the values of interaction, closeness and engagement, which is part of the contribution for a sustainable quality for city living. The selection of case study will be based on user-participation activities such as urban farming, pop-up market, art event, which require an existing urban and social context and the activities are shared between the community and encourage people to



Fig.1-8 User-participation in an open space preparing for a market in western Chiba
Source: www.instagram.com/hello__garden

participate. Exploring this characteristic in the setting of UPS will define the spatial quality experienced by the user, clarifying how an added activity on UPS will affect its quality experienced by users.

UPS with integrated green space

Integrated green space is chosen for its evolution from the city greening effort. It is the notion of sustainability for the future of public space in Tokyo with a hybrid landscape, mix-used, and continuously evolving settlement (Fig.1-9). It demonstrates the values of attractiveness, diversity and livability in which compact cities are experimenting with the contemporary UPS to improve the daily life and recreation for the busy urban citizensⁱⁱ⁾. The selection of the case study will be based on the relationship with integrated green space, which requires a context strongly influenced by the natural environment, which is nowadays unpredictable. Exploring this characteristic in the setting of UPS will define the spatial quality experienced by the user, clarifying how a changeable context of UPS will affect its quality experienced by users.



Fig.1-9 Integrated green space in the hybrid landscape made by pots garden
Source: <https://tokyogreenspace.wordpress.com>

1.3 Methodology: Interdisciplinary framework focusing on the users

In the research concerning UPS quality, multidisciplinary research^{iv)} is usually focused either on the categorization or evaluation of contemporary works. In this thesis, the construct of the framework is neither empirical nor critical but tends to be adaptable depends on the typology of UPS. Hence, the mode of integrating disciplines will be adopted in two aspects: the literature relevancy and the methodology of collecting data. The former demands a review of factors that define the quality of UPS within the user-centered approach to propose the conceptual framework. And the latter looks into different modes of data collection to find corresponded information that can be combined into the framework. This method of development will be explained in detail in chapter 2. Then the framework applied in chapters 3 and 4 will follows three steps. Firstly, it illustrates the Settings of UPS chosen as the object of study. Secondly, it interprets the pattern of setting into the Experience of the user in UPS. Thirdly it combines Settings and Experience into Spatial Quality of UPS. Finally, chapter 5 will discuss the findings of chapter 2,3,4 and define the factor which facilitates the investigation of contemporary UPS. This analytical process is summarized in Fig.1-10 below.

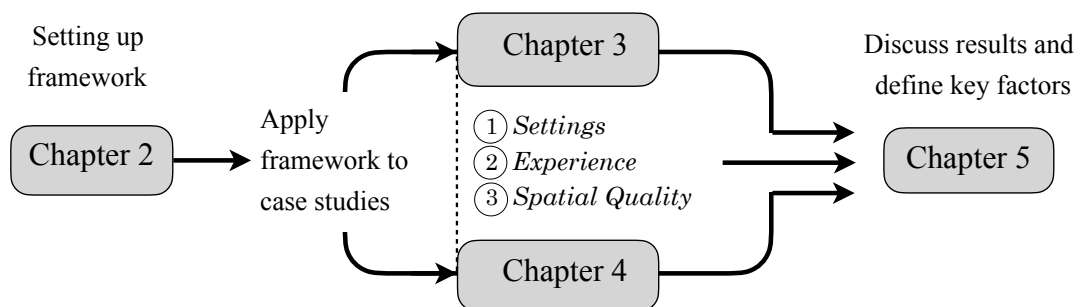


Fig.1-10 The analytical process (Source: Author)

1.3.1 Definition and limitation of study

Mix-used building (MUB) is defined in this study as a privately owned building incorporating other public functions such as services,

entertainment, or recreation to contribute to the neighborhood area or the branding image of the surrounding district.

Privately owned public space (POPS) define in this study as a public space created within the perimeter of a privately owned mix-used building. This space differs from the original western version (Dimmer, 2013)⁸⁾. This space was created with complementary new activities to the public to attract more people to the building and diversify its usage throughout the day.

Exterior space of MUB is defined as an outdoor open space, being part of the building zoning but has no connection to any eaves of the building except sharing the same ground. This definition also takes into account the definition of Ashihara¹¹⁾ on exterior space design in architecture, where elements furnishing this space will be considering as boundaries. These boundaries will interfere with user perception and behavior.

The user-centered approach belongs to Environmental Psychology. This approach, shared by philosophers like Thiel¹⁴⁾, frame the studies of how people simultaneously experience from within the space they occupy and relate to the environment surrounding them. Hence, the user referring in this thesis will be the actual user of investigated UPS, which is the general public, the common people, the visitors or locals, not the designer, manager, skate holder, or prospect user in the future.

Spatial affordance (SA) in this thesis interprets the definition of Gibson as a spatial production, which its characteristics and its parameters will affect user behavior and perception.

The interdisciplinary framework differs from the multidisciplinary framework by the way the result is discussed. The former looks for the synergy between elements analyzed from different disciplines while the latter draw conclusion on the sum of all analyzed data.

1.3.2 Research relevancy

This study discusses the factors of the spatial quality of Tokyo UPS within the interdisciplinary framework of a user-centered approach. The following academic papers belong to the investigation of UPS in Japan or related to Japan are considered as research relevant.

For the spatial characteristics and user behavioral patterns relationship, an observation study from Li¹⁶⁾ found that the existence of public space created by the possibilities that space allows the user's intention to justify their actions. As for other elaborated research, there are also different modes of collecting data related to affordances, such as mapping from Bastoro¹⁷⁾ or classification like Chen¹⁸⁾. These research results discuss the existence of characteristics for walkability and amenities for lingering.

For the perception and behavior patterns relationship during lingering activities, Akamine¹⁹⁾ studied how much time the user spent, and Tsuchida²⁰⁾ investigated which factors influenced their choice of stay. These research often concluded on the opinion about shading, shelter and the presence of green spaces. As for more elaborated research, there is Kiso²¹⁾, who associates the opinion with the user's behavioral patterns, Almazan²²⁾, who associates the behavior to the opinion on visual perception and Huang²³⁾, who associated the opinion with other criteria of thermal adaptation.

For the thermal comfort and behavior patterns relationship in the outdoor environment, this thesis follows the idea of thermal adaptation in the Environmental Design field. Hence, the direction of research will differ from those using indicators such as WBGT, SET, MRT^{*iv)} to measure the thermal stress on users on-site. As this research is not on evaluation UPS, and this characteristic of the extreme condition is not related to the framework on quality experienced chosen for this study. Therefore,

as proven by Nikolopoulou²⁴⁾, thermal satisfaction is considered in this study, which is proven to be different between different users and has a close relationship with their spatial experience. As for elaborated research, Thorsson²⁵⁾ has developed this study on a comparison between different types of urban green spaces in Japan. This research found a close relationship between the effect of sun and shading on the user's behavior in open space.

Although the above researches have offered meaningful findings for the investigation on the quality of UPS, the framework concerned the factors of UPS that have not yet found an integral concept related to human factors. For instance, the framework proposed by Ewing²⁶⁾ focuses on measures the quality of UPS through walkability, while the one from Smith²⁷⁾ tries to understand UPS qualities through the characteristics of its physical form. Other frameworks, such as the one proposed by Carmona²⁸⁾ adds another layer of consideration related to urban sustainability to re-define contemporary UPS. And the one from Mehta²⁹⁾ gathers all factors related to human factors for a UPS evaluation index through a theoretical framework. As said, these above research's purpose is to categorize or evaluate the quality of UPS, which differs from the purpose of this research. Therefore, this study aims is not to propose a guideline for design planning like Lennon³⁰⁾ or prerequisite for management like Praliya³¹⁾ but to find a core factor through the interdisciplinary framework to facilitate the investigation and the communication of professionals on the design of contemporary UPS.

1.4 Thesis organization

This thesis deals with the topic of "Spatial Quality Experienced in Urban Public Space through an Interdisciplinary Framework" and contains the

following six chapters structured as in Fig.1-11. The summarized content of each chapter is described as follows.

Chapter 1 describes the challenging background of contemporary UPS and the intention to focus on the quality of UPS as a method for enhancing urban dweller well-being. Then, the study looks into how UPS has been defined, adapted, and evolved in the context of Japan and Tokyo. This background explains the necessity to adopt a user-centered approach for the design of Quality of UPS in Tokyo. This chapter also defines two typologies of UPS as objects of study and the choice of an interdisciplinary framework as methodology. Lastly, this study is defined within the past research to show its significance and uniqueness.

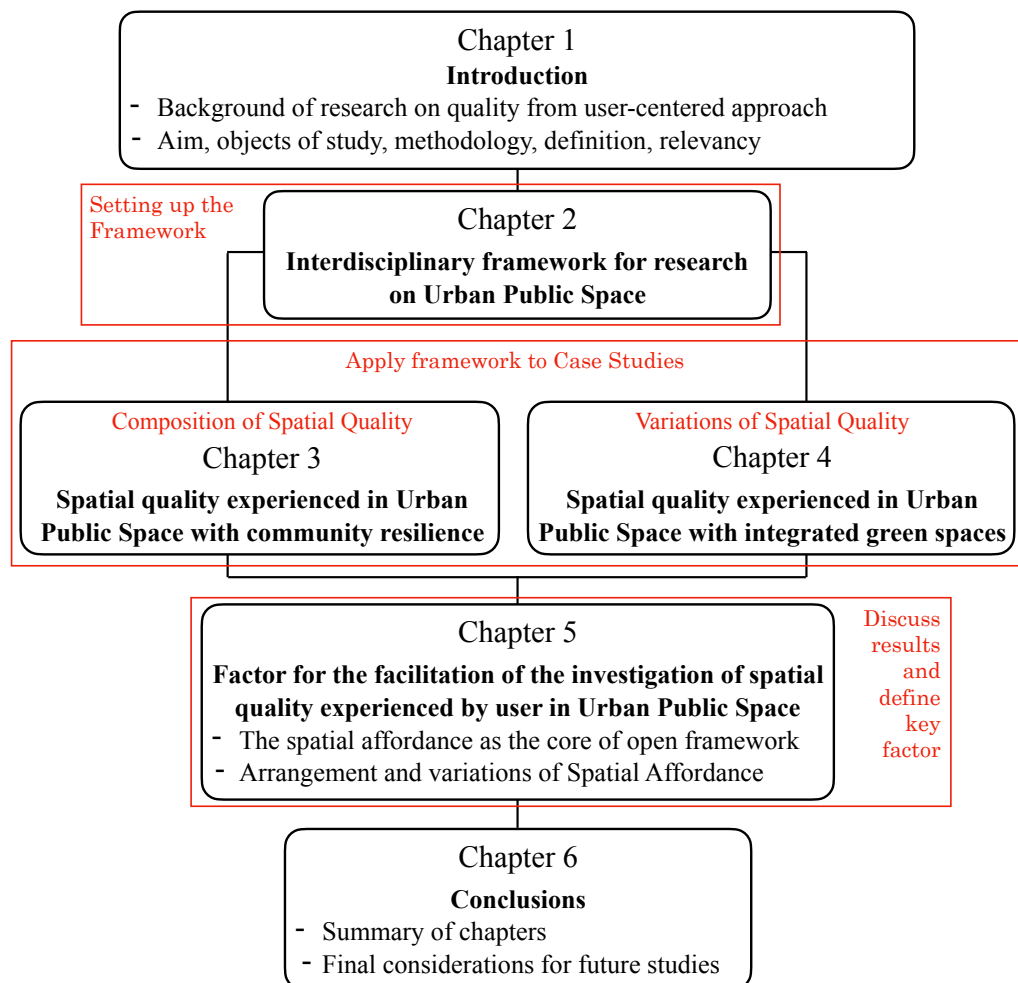


Fig.1-11 Thesis structure and organization of chapters (Source: Author)

Chapter 2 focuses on the setting up of the interdisciplinary framework with a user-centered approach through the background and literature study. The background study on UPS in Japan will define the special characteristics that define UPS Quality. Then the framework will be proposed, based on the literature study on the parameters of Settings and Experience within the scope of Quality. By connecting these above parameters to relevant research, factors belong the relationship between Settings-Experience will be found, along with the corresponding method of collecting data. Further, the case studies represent each typology of exterior space of mix-used building will be identified and introduced.

Chapter 3, on UPS with community resilience, will investigate people within the surrounding social and urban context to reveal the composition of spatial quality in the case studies of Renovated Open Space with Urban Gardening. Via the investigation of UPS settings patterns and user experience, the Spatial Quality will emerge as the combination of factors interpreted from settings and user's experience. It results in scenarios related to the intervention of the local community.

Chapter 4, on UPS with integrated green space, will investigate people within the physical context under different weather condition to reveal the variation of spatial quality in the case studies of Rooftop Garden. Via the variations in settings and experience, Spatial Quality will result in a close relationship with the tangibility of Spatial Affordances. It concludes in the variations of Spatial Quality, influenced by different weathers and the natural environment.

Chapter 5 discusses the findings of chapters 2,3,4 on Spatial Affordance and its characteristics aiming to facilitate the investigation of UPS.

Finally, chapter 6 concludes by summarizing the findings from each chapter and projects the future direction for research.

Chapter 1 Notes

- i) see reference 1) for compact cities principles regarding resilience in SDGs
- ii) see reference 4) on the description of new types of public spaces in Tokyo
- iii) Defined by Oxford Research Encyclopedia of Education
- iv) The Ministry of Environment's guideline recommends the use of these indicators, available at www.env.go.jp/air/life/heat_island/guidelineH30 (accessed 2019.07.29)

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Chapter 2 Interdisciplinary framework for research on urban public space

Section 2.1 Chapter outline and purpose

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Chapter 2 References

2.1 Chapter outline and purpose

This chapter focuses on the setting up of the interdisciplinary framework with a user-centered approach for the case of UPS in Tokyo, identified as MUB exterior space. The background of this framework is related to the contemporary situation of compact cities trying to become more sustainable to reach the SDGs. The setting up process of this framework in Fig.2-1, explained as follows. Firstly, it outlines the focus on open space as solutions opted to enhance the quality of UPS in the world. This chapter compares this trend with the case in Japan to give more insight into the Japanese notion of public space. By finding the spatial characteristics of UPS in Tokyo through recent research, the condition for the setting up of an interdisciplinary framework is defined. Next, by proposing a conceptual framework to define Spatial Quality based on Settings and Experience, a study on the literature will define parameters from relevant studies to the framework and the corresponded method of collecting data. Finally, two potential case studies of UPS, belong to the object of the study mentioned in the previous chapter, will be introduced for the application of this framework, as well as their similarity and singularity. Further, their situation and the selecting method of case studies from each typology will be explained.

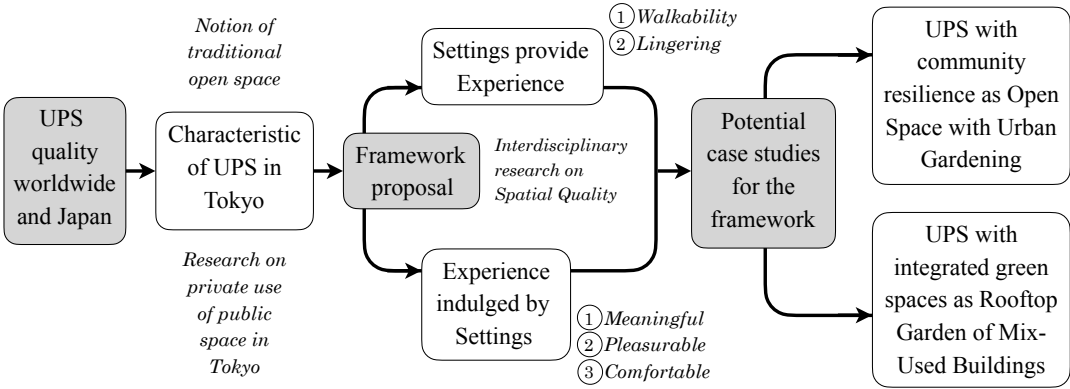


Fig.2-1 The process of framework proposal (Source: Author)

2.2 Quality of Urban Public Space as open space for compact cities

2.2.1 Quality in green space and social spaces

As mentioned in the previous chapter, the compact cities's ideal has been advocated as key to creating livable and sustainable cities as achieving the SDGs. This movement delivers the vision of high density, mix-used development to provide the high quality of the public realm, parallelly has a widely-recognized problem related to the reduction of open space and green space. Looking through this angle, compact cities around the world, which are opting for solutions to enhance their quality of urban landscape¹⁾ by either a trade-off between land development and conservation of green spaces or a renewed attention for the exploitation of streets as social spaces. The former method, like in the case of Singapore²⁾ or Hong Kong³⁾, works on an agreement of public-private partnerships to increase their ratio of green space among the population. And the latter focus on small interventions in the public realm to provide more comfortable and convivial space for the daily basis of city dwellers, like the case of Vienna or Copenhagen⁴⁾. These solutions, however, are not entirely applicable for Tokyo, due to a rather low percentage of public green space compare to the metropolitan population¹⁾, and often social life happens in the backstreets which are narrows, vibrant but not many amenities given to the public (Hidenobu, 1995)⁵⁾. The Japanese experience with UPS and the vision of Tokyo sustainable city has taken another approach, and the quality of UPS in Tokyo has opted for another solution, which takes root in their living habit and their relationship with the spatial experience and landscape.

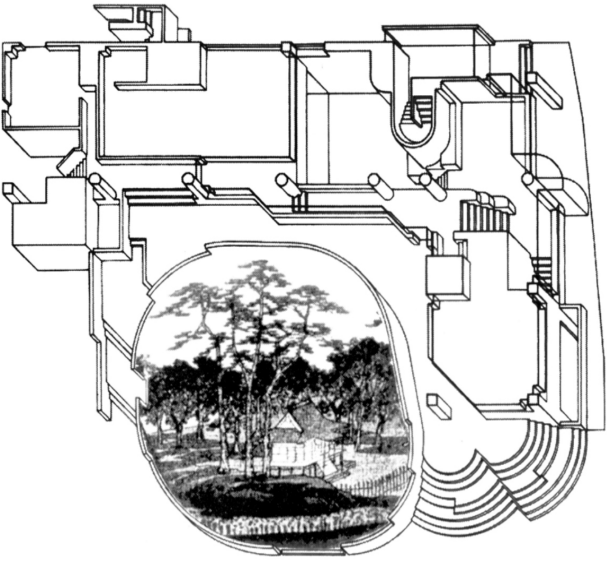
2.2.2 Quality in the everyday landscape

Like it is described in "Just Enough" by Azby Brown⁶⁾, the Japanese experience is rooted in the sustainable interaction between humans

and their environment, where the natural resource is limited. Japanese cities are known for the lack of public domain, apart from temple, palace and castle lands converted to parks. But cities attractiveness lies in the deepness that can be found in Hiroba (広場) , it is not on the surface of the void, but in the Oku (奥)⁷⁾ where the layers of space accommodate the change of function conditioned by time and landscape (Fig.2-2). It exists till today since Edo as a spatial Quality, despite the rapid urban growth and the development of a massive population, as argued by Okabe⁸⁾. This quality lies in the imagination of the user by recognizing the surrounding nature and landscape, where social space can be created and people can gather despite their social class. It is the landscape of every day, offering a feeling of commonness but spontaneously becoming a public space of gathering for people during festivals or cherry blossom. Despite the limited open space and restraint access to green spaces, and the changes during rapid urbanization and adaptation westerns knowledge, this quality still part of the design of UPS scenery in Tokyo



Surugacho, Hiroshige
 An Edo street overlooking Mt.Fuji
 Source: 広重『名所江戸百景：駿河町』



Kofun (古墳), Monkey Playing Tomb (猿樂塚)
 Hillside Terrace, Fumihiko Maki
 Source: *Nurturing Dreams (Maki, 2008)*

Fig.2-2 The Oku in UPS in Edo and today scenery

(Maki, 2008)⁹⁾ which keeps on attracting people and creating living spaces through the subjective and dynamic dimension of Oku.

2.2.3 Quality in place-making

As to comprehend this dynamic dimension in the UPS of Tokyo, the inspirations took place from the interpretations of the Oku (奥) as place-making. For instance, from Jonas¹⁰⁾ on the hybrid landscape of Tokyo's pot gardens and Imai¹¹⁾ on the informal practices of Tokyo's alleyways. The description and interpretation of the idea are explained as follows:

The hybrid landscape: defined by Marieluse Jonas, is the idea of overlapping the planned spaces and the spontaneous place-making indulge by individuals. This place-making is the product of usage, interaction, and shaping space, which will leave a memorize and value attributed to places for the individual. This phenomenon of people making use of the public street facades or fences for the private use of their flower pots garden or green walls provide a quality of integrality and richness in the experience of the user. In the context of UPS, this experience could be interpreted as the user's behavior in two layers of investigation. The first one is the user's behavior toward the static designed and planned space according to geometry and morphology, which can be analyzed through the interaction between the user and the physical form, resulting in certain predicted actions. And the second is the behavior as a dynamic small act of appropriation, after an amount of time perceiving space. This behavioral pattern can be activated through user reciprocal perception of space. This second phase will take the metamorphosis of the community and the social practice of others.

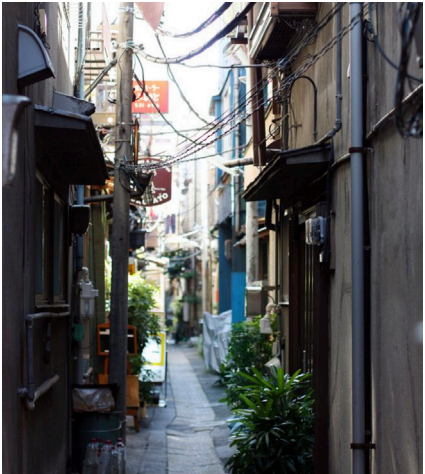
The informal practices: defined by Heide Imai, is the idea of casual and uncommon action happens in ordinary places of alleyways made by blurred and ambiguous boundaries. This space is considered as a buffer

zone, which existing as a physical form without a defined border or due to the narrowness that overlapping its dimensions, allow the user to experience a certain spatial dynamic and the space usage is carefully adapted in subtle negotiation of informal activities. This phenomenon, defined as "micro-culture," provides diversity, alternativity and versatility in the experience of the user. In the context of UPS, this experience could be interpreted as secondary occurrences rather than the planned strategy imagined by the designer. These occurrences are the product of temporality and transitory, which will rely on the always-changing state or form of the physical boundaries and even the climatic conditions. It will take the metamorphosis of an act of integration to the recurrent practices.

The above place-making provides interpretations of the nuances of quality defined by the interaction between Settings and Experience (Fig.2-3). As to examine these nuances, the setting up of the interdisciplinary framework should be based on a conceptual structure of the relationship between people-space-environment. The flexibility in the structure will intake factors of quality depends on the situation of UPS perceived by the user. This setup will be explained in the next section.



Flower pots garden furnishing the streets
Source: www.pinterest.co.uk (haarkon adventures)



Back alley
Source: www.flickr.com (drkigawa)

Fig.2-3 Metamorphose of oku in privately use of public space

2.3 Interdisciplinary framework on quality of Urban Public Space

As mentioned in the previous chapter, the proposed framework on the Quality of UPS is following the discussion of interdisciplinary literature, such as the Setting based on the human scale (Gehl¹², Ashihara¹³) and the Experience based on spatial affordances (Gibson¹⁴, Thiel¹⁵). The framework aims to explore two aspects of the relationship between people-space-environment as Quality via Setting and the Quality via Experience to combine them and determine the Spatial Quality.

The study can start from the diagram proposed by Project for Public Spaces (PPS)¹⁶ as a reference for the criteria concerning investigation on UPS (Fig.2-4) to develop this conceptual framework into concrete parameters and methods of collecting data. This Place Diagram is a generalist approach to considering the Quality of UPS using techniques of collecting data from the work of Whyte¹⁷ and Jacobs¹⁸. It draws on four attributes, identified as Sociability, Access/Linkage, Uses/Activities and Comfort/Image, to determine the tangibility and measurability criteria of UPS. However, not all of the criteria are relevant in this research, for

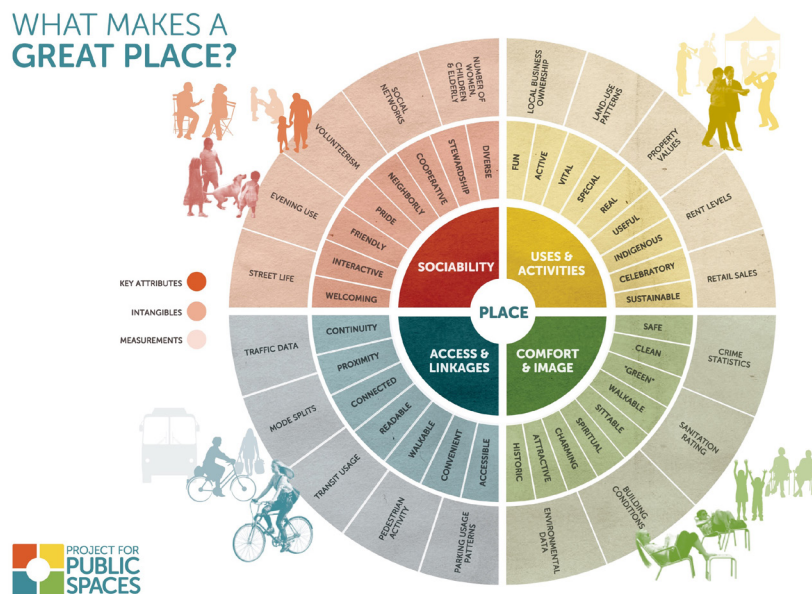


Fig.2-4 Place making diagram
 Source : www.pps.org/article/grplacefeat

the reasons explained as follows. Firstly, the definition of Japanese UPS in this thesis is based on the temporality of the event and the dynamic dimension of spatial deepness. This notion, which disregarding social hierarchization and segregation, can lead to omitting some related criteria belong to the attribute of Sociability. Also, as the concern about cleanness and safety is less apparent, some related criteria in the Comfort/Image attribute could be omitted. Secondly, this framework will only focus on the model of exterior space of MUB belong to the scheme of POPS in Tokyo. Delimited within a private zone, it is where the effect of street and transit will not have a strong influence, which eliminates a few criteria in the Access/Linkage attribute. Also, since the background of research already mentioned as related to POPS, the criteria of Uses/Activities will be focused only as parameters related to the user, without the broader interpretation.

Then, the proposed conceptual framework in Fig.2-5 suggests that, firstly, there are two parallel mechanisms existed in the relation of User-Space-Environment, one as an interconnection between Setting and Experience and the other the investigation of Quality via Setting and Experience. The former structured around three factors, identified as Activity, Path and Impression (A-P-I) that connect the categorization of Quality from Setting and the evaluation of Quality from Experience. While the latter is defined by the combination of Usage - Spatial Affordance - Image of Identity (U-SA-ID). Secondly, in the first mechanism, A-P-I could be observed through the user's behavioral pattern, but it will need to be interpreted through the different perceiving filters from the user's intention to the user's behavior, such as movement, morphology, perception and stimuli. This interpretation grounds the synergy between Setting and Experience. It requires a process that

collects raw data through these above filters to form the pattern of behavior in the Settings, then, the interpretation of these patterns will be understood as Experience via the composition of A-P-I. For the parameter of this synergy between Setting-Experience, the filters closer to Space could collect information through Morphology and Movement, while the filters closer to Environment could collect information through Perception and Stimuli. Lastly, the second mechanism is the assumption from the analysis of the first mechanism, through A-P-I, the conclusion can be drawn through the combination of U-SA-ID. This conceptual framework is the tool to understand the nuances of Spatial Quality through the investigation of the Setting and Experience of UPS.

The following section will look into the literature review of investigation UPS to determine the parameters belong to the relationship between Setting and Experience and the relevant method of collection data. The relationship is distinguished between Settings provide Experience and Experience indulge by Setting.

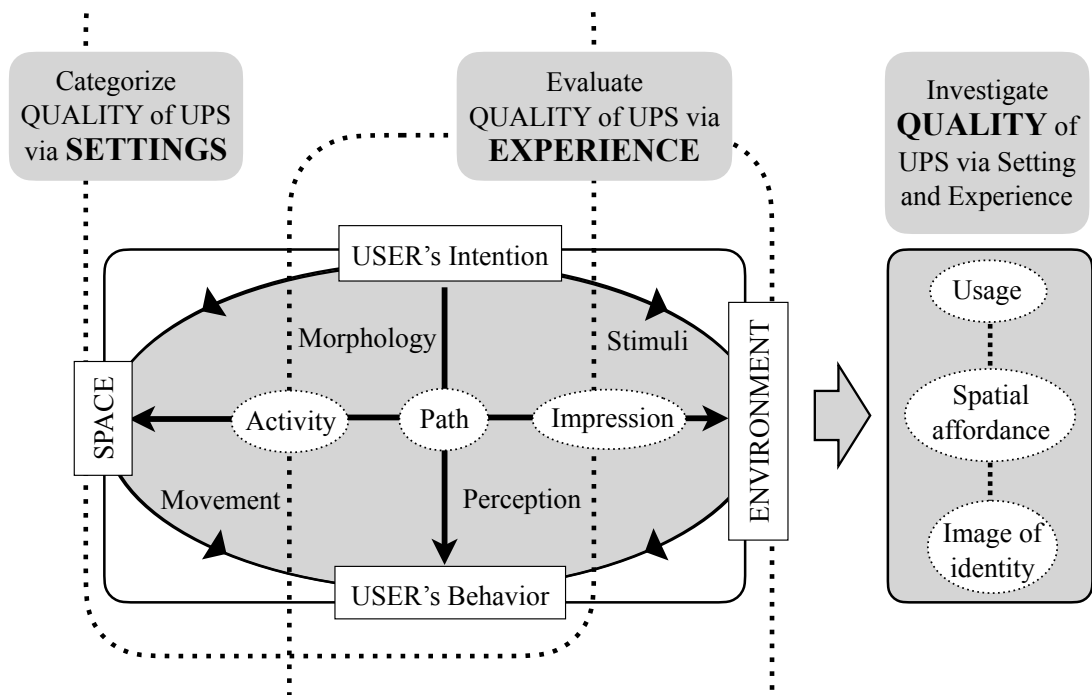


Fig.2-5 Conceptual framework (Source: Author)

2.4 Parameters and data collection on exterior space of MUB

2.4.1 Settings provide Experience

Suzuki¹⁹⁾, in his observation on "Mode of being in places," explains that the fieldwork to analyzing a user in a place or a scene requiring an understanding of many relations and modes generating around the user (see Fig.2-6). It is the relationship existed between the proxemics (Hall, 1966)²⁰⁾ and townscape (Cullen, 1961)²¹⁾, firstly where the user can be seen within the space, as space can afford the user, and secondly where this user move through space, as space belongs to their journey within the neighborhood or city. Hence, this study wants to emphasize this point of view as the Setting indulge Experience, which divides into two categories: the Setting for walkability and the Settings for spatial elements allow lingering. The former focuses on defining space allowing movement, while the latter focus on the space morphology attracting the user to stay or linger. The method of collecting data will be explained for each category.

Settings for walkability

The walkability characteristic, defined by Jacobs¹⁸⁾, are elements determining the livability of street design. In this research, without mentioning UPS as a street, this walkability will be analyzed as the user's **Route** within the exterior space of MUB. Concerning the user

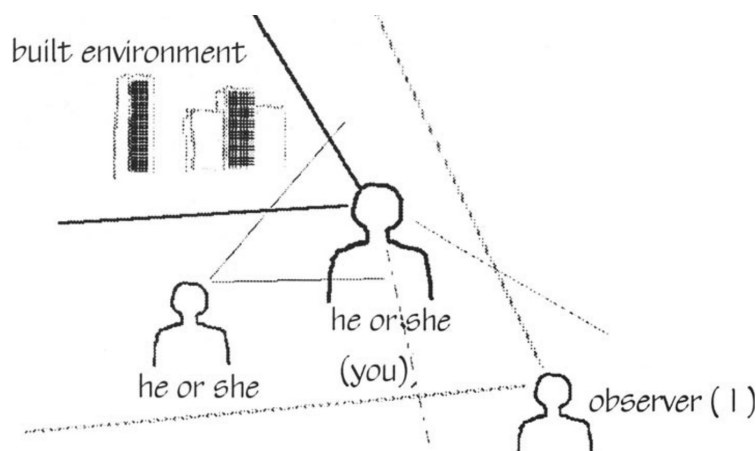


Fig.2-6 Relationship of different mode of being in places (居方)
Source: *Mode of being in places* (Suzuki, 1997)

perceptive filter, it provides information influencing the personal decisions on movement, as the trajectory, the speed, the rhythm, or how to avoid others. Measurable characteristics are found by mapping the **Zone** for movement and non-movement (Ashihara, 1970)¹³⁾, defined by the delimitation of urban furniture like fence or wall, floor material like lawn space or pavement and indications signs. The route also will divide the public/private zone or the outdoor/indoor space.

Settings for spatial elements allow lingering

Lingering, like sitting, standing, staying, stopping... was mentioned in the research of Gehl¹²⁾ and Whyte¹⁷⁾ as elements determine the attractiveness of UPS. In this research, it will also contain the other activities that attract people using the exterior space of MUB to relax, to wait, to meet, or to play. Concerning the user perceptive filter, the focus is on the space morphology, considered as **Boundaries**, which influences the personal decisions to perform an action, as to lean on, to sit down, to look through, to approach, to cross... Measurable characteristics could be done by several methods: questionnaire, observation, photograph and mapping. The questionnaire will collect the activities that people want to do in space. The observation and photograph will capture their behavior. The mapping will collect the spatial morphology where they are found, such as furniture, floor material, vegetations or building eaves. This collection is categorized by the height related to the human scale (Fig. 2-7) and the roughness of the surface.

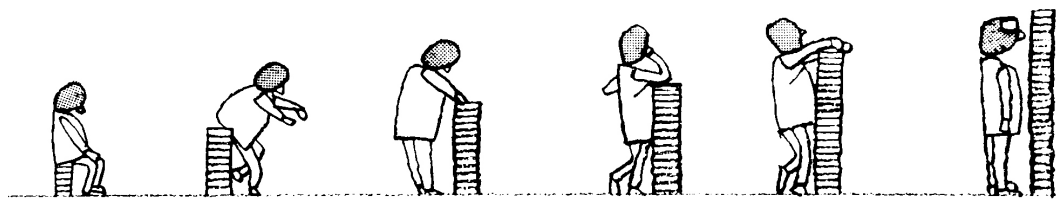


Fig.2-7 The design of exterior space elements related to human height
Source: *Exterior design in architecture* (Ashihara, 1970)

2.4.2 Experience indulged by Settings

Thiel, in his book on "People, Path, Purpose"¹⁵⁾, has given a complete description of the concept of Experience indulged by Settings focusing on the user's perceptive filters toward the environment. The environment is described here as a path that continues with overlapping areas that the user is going through. In each area, the user will participate in settings of affordance which indulge their stimuli and perception (see Fig.2-8). This process will have a consequence on their experience, which this thesis will divide into three categories: the meaningful experience, the pleasurable experience and the comfortable experience. Meaningfulness will associate with the purpose of performing an action, similar to Gehl define the activities of necessity, optional or social. Pleasurableness concern with the aesthetic and atmosphere of the environment, which Cullen has to prove through visual perception^{ix)}. And comfortableness will relate to the personal adaptive system of the user, which Nikopoulou²²⁾ has to define within the relationship with the user's experience. As there are various factors that belong to the system of Experience, this thesis will select the relevant factors and methods, which can be connected through different methods of collecting data between survey and simulation. The method of collecting data for each category will be explained as follows.

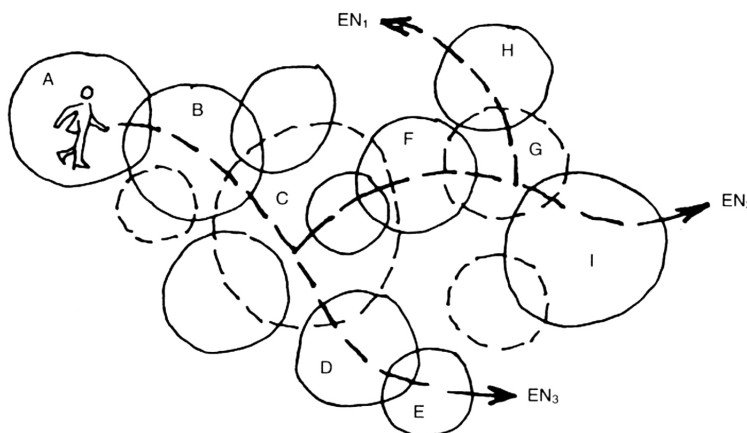


Fig.2-8 Environment as network of stimuli on human path
Source: *People, Path, Purpose* (Thiel, 1997)

Meaningful experience

Canter²³⁾ in environmental psychology has made a distinction between the physical characteristics of place and the perceived of that place on those experiencing it. This experience, which is structured by three ideas, as preconceptions, goals and purpose, is subjective. Likewise, to tackle the meaningfulness of experience, measurable characteristics could be collected through the method of the questionnaire. It would be appropriated to formulate the question by asking about which **Purpose** attract them to come, how they are planning to spend **Time** in this place as activity and duration of time spend, and their **Opinion** about their experience in this place, measured through a rating scale. The informations will be analyzed further via methods of categorization.

Pleasurable experience

This particular experience has two aspects, the one connected to the goals as fulfilling, and another one link to the perception of the user toward the environment at a particular time. The former is the idea of Cullen²¹⁾ as a preference for the furnishing of the space. While the latter related to the idea of Kaplan²⁴⁾ as the aesthetic of space being perceived and the sensory system being satisfied, which has a positive effect on the user's well-being. This information will be collected through two methods as a

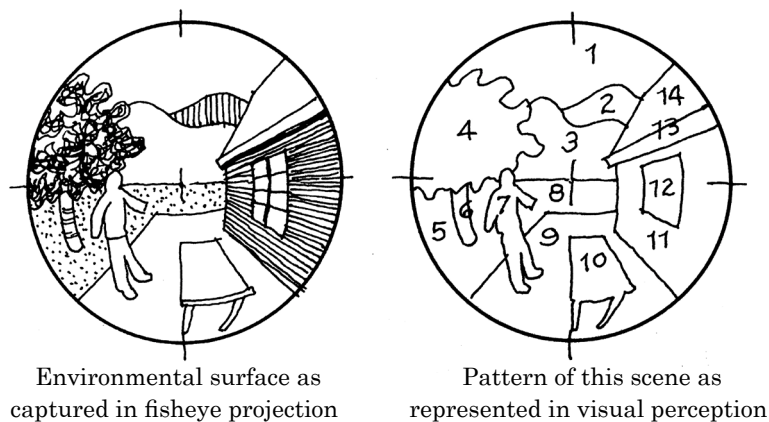
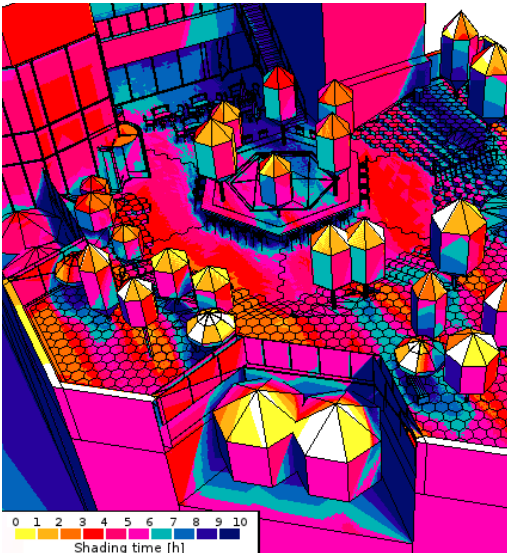


Fig.2-9 Illustration of fish eye analysis
Source: *People, Path, Purpose* (Thiel, 1997)

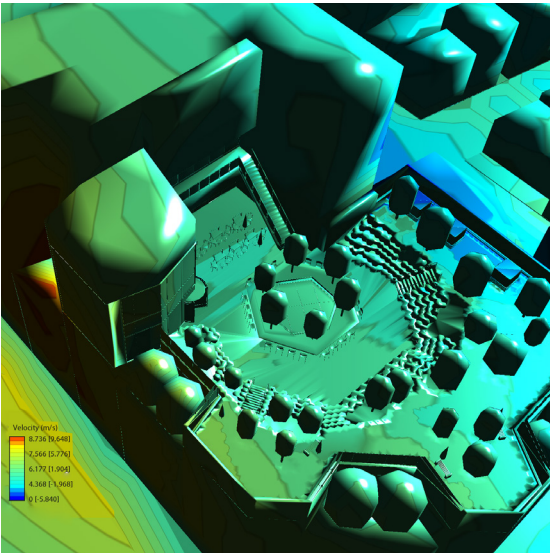
questionnaire related to the user's **Opinion** and a simulated photograph of visual perception to define the composition of space, which sparkles the **Preference** of users. This latter analysis technique, defined as fish eye visual analysis, was explained by Thiel¹⁵⁾ (Fig.2-9).

Comfortable experience

As explained in the relevancy in the previous chapter, this thesis follows the idea of Nikolopoulou²²⁾ on thermal adaptation, which has a close relationship with the user's experience. As the collection of data combine various factors related to the survey on-site, this aspect will explore another method of collecting data through simulation. The factors chosen for analysis are **Sun-Shading** and **Wind Flow**, as its effect could be observed on the user's behavior (Whyte, 1980)¹⁷⁾. Then the mapping position of the user will be used for the simulation. As the software will provide a map of sun-hours and wind flow effects on outdoor space (Fig.2-10), this position will be categorized within the UPS plan to find a connection with the answer to a meaningful and pleasurable



Shadow map generated from Google Sketchup Shadow Analysis (Source: Author's analysis)



Wind flow simulation generated from Autodesk Flow Design software (Source: Author's analysis)

Fig.2-10 Sample extracted from simulation software on Shadow and Wind flow

experience. Furthermore, this particular aspect of Experience indulging by Settings will only be analyzed in chapter 4 of this thesis due to its fundamental unpredicted character connect to the weather. As chapter 3 will firstly apply the interdisciplinary framework to the investigation of UPS, the focus is to understand the whole settings of UPS connecting with the existing context of UPS during a specific period and weather conditions. Its focus on how the parameters could be investigated within the framework to determine the composition of Spatial Quality. This aim differs from chapter 4, which is on partial settings of UPS during a long period with variable weather conditions. Chapter 4 aims to study the variations of Spatial Quality within the framework where the existing context is regarded as secondary. Hence, the aspect of the Comfortable Experience is omitted within the analysis of chapter 3.

2.5 Potential case studies for the framework

As mentioned in the previous chapter, the object to be analyzed using this interdisciplinary framework will be UPS with community resilience and UPS with integrated green space. These two typologies of UPS represent, at the same time, the similarity within the direction toward the making of sustainable cities and the singularity of different contexts between them. The former represents the first level of settings of UPS by integrating new activity with a direct connection to the existing community to enhance the mix-used characteristic of the existing context. The latter represents the second level of settings UPS by integrating green space within the built environment while taking a distance from the context of the surrounding buildings to enhance the sustainable characteristic of the mix-used building. Regarding the representative case studies, UPS with community resilience interest in the existing

urban and social fabric, which bring in community identity and resilience. This related typology of UPS needs to bring in a new aspect for urban regeneration, which is user-participation and integration in the existing context, which brings out the character of renovation. Hence, the case studies of this typology are selected as Renovated Open Space with Urban Gardening. The application of the framework in these types of UPS will focus on the integration of new activities within the existing context to see the mechanism of Spatial Quality be experienced by the user. The following UPS with integrated green space explores another aspect of integration, which is the image of future sustainable cities. The context in this typology still exists but will be less present, while the focus will be on another integration concerning the natural environment and weather, which is considering variable and unpredictable. Hence, the case studies of this typology will belong to a new building and are selected as Rooftop Garden on Mix-Used Building. The focus in this typology of UPS will be on the interaction between Settings and Experience when variations are happening in UPS. It examines how much the mechanism of Spatial Quality experienced by users will be affected by these variations.

The selection of these two typologies aims to understand the method of application of the interdisciplinary framework to investigate a different aspect of contemporary UPS in Tokyo.

2.5.1 Renovated Open Space with Urban Gardening

As mentioned before, since the 20th century, compact cities are trying to increase urban sustainability by improving the quality of their neglected open space to accommodate the city lifestyle. Especially, renovation concept using a user-participation practice like urban gardening (UG)ⁱⁱ⁾ is

becoming a noticeable trend in the urban area. In Asia, where UG plays a critical role in the promotion of rural area²⁵⁾, Japan, in particular, focuses on the user's well-being, part of social and ecological concept²⁶⁾. More than ever, in populous metropolitan like Tokyo, exterior space that integrates UG into the existing context of the mix-used building has increasedⁱⁱⁱ⁾ and intrigued the interests toward sustainable development.

The selection of case studies belongs to the list of the private farm for public use published by the Ministry of Agriculture, Forestry and Fisheries^{iv)}, organized by private firm in the perimeters of the Tokyo metropolitan area (Tokyo, Kanagawa, Chiba, Saitama). They are renting allotment gardens in the effort to promote agriculture or city greening. These activities offer urban dwellers an experience to raise awareness toward food production, provide sustainable open space enhancing well-being and promote local consumption^{v)}(Fig.2-11). The allotment gardens,

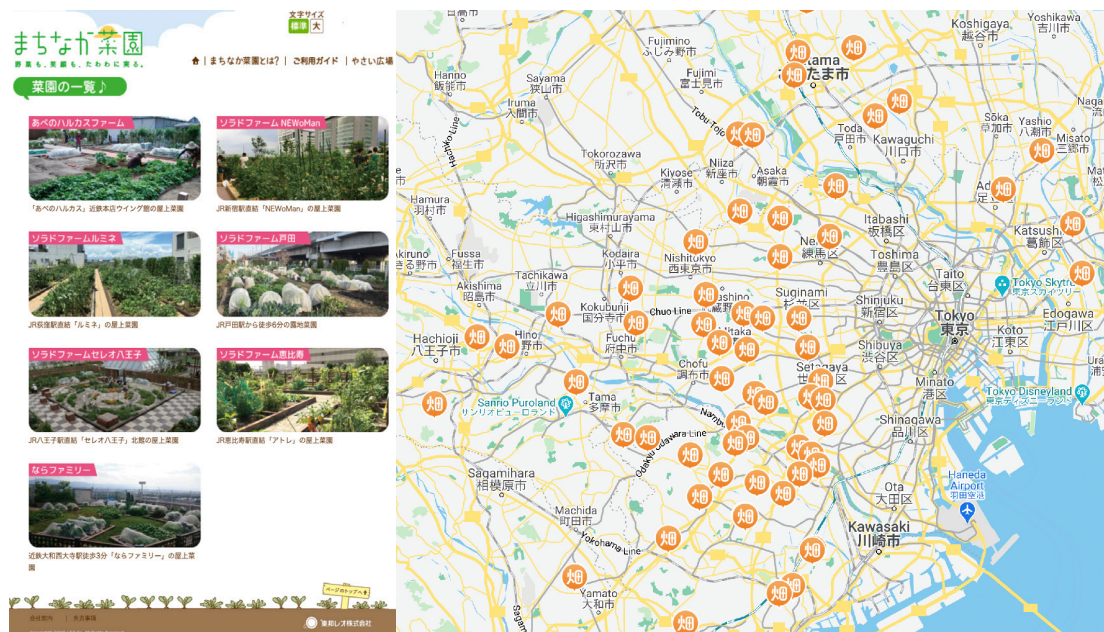


Fig.2-12 List of urban gardening in Tokyo metropolitan from various private firms
 Source: <https://www.machinaka-saien.jp> and <https://www.sharebatake.com>

considered as urban gardening, need to belong to a renovation project of the complex building with private ownership, with other integrated function to enhance mix-uses. The case studies will be further developed in chapter 3 as applying the interdisciplinary framework to examine the composition of Spatial Quality through Settings and Experience.

2.5.2 Rooftop Garden in Mix-Used Buildings

Nowadays, the design of urban public space (UPS) in compact cities is becoming more and more a challenging task due to multiple problems of heat island, the limitation of resource and the potential threat to public health²⁷⁾. While roof greening is a widely recognized solution for reducing the environmental effect^{vi)}, in Japan, this green space integrated into the building is bringing the compacts lifestyle a new dimension^{vii)}. Especially in Tokyo, interests toward the integrated green space in mix-used buildings considered as rooftop garden had proved positive results for the inhabitant well-being^{viii)}. This increasing typology of green space



Fig.2-12 SEGES list and map of certified sites
 Source: https://seges.jp/site/B_index.html and SEGES pamplet 2018

available-for-all intrigues the questions about its spatial quality in an urban setting like the compact center of Tokyo.

The selection of case studies belongs to the rooftop garden typology of Oasis of city category in the Social and Environmental Green Evaluation System (SEGES) (Fig.2-12) deployed by the Ministry of Land, Infrastructure, Transport and Tourism^{ix)}. The rooftop garden needs to belong to a project of the mix-used building with private ownership in the central ward of Tokyo, where the intention of a rooftop garden is to diversify the experience of users from the main function of the building. The case studies will be further developed in chapter 4 as applying the interdisciplinary framework to examine the variations of Spatial Quality through variations of Settings and Experience.

2.6 Chapter conclusion

Attempt to set up the interdisciplinary framework for the investigation of UPS in Tokyo using a user-centered approach, this chapter reviews the literature on UPS in Tokyo and the research on the Quality of UPS. The findings are summarized as follows:

Section 2.2 explained the meaning and focusing point to enhance the Quality of UPS within the scope of SDGs in the world and the case of Tokyo. The characteristics of UPS in Tokyo are found within the dimensions of Oku. This characteristic is the base of the relationship between Setting and Experience as the base of the framework.

Section 2.3 proposed the conceptual framework, based on the popular guideline using for investigation UPS. The framework emphasized Quality as a combination of Settings and Experience, while the Settings and Experience relationship are divided into two categories: Settings provides Experience and Experience indulged by Settings.

Section 2.4 examines the literature of interdisciplinary research on the Quality of UPS to define the method of collecting data related to each of the categories above. The findings consisted of using mapping, observation, photographs and questionnaires for Settings. And questionnaires, photo projection, the simulation will be used for the Experience to share common ground with the former one.

And section 2.5 introduces the case studies represented to apply the interdisciplinary framework, as Renovated Open Space with Urban Gardening for the typology of UPS with community resilience, and the Rooftop Garden in Mix-Used Buildings for the typology of UPS with integrated green space as the introduction for the next two chapters on analysis. Each category was described within the current situation in Tokyo and the database of case studies was also introduced.

Chapter 2 Notes

- i) In 2015, the Tokyo metropolitan area consisted of only 7.5% public green space per population, data of World Cities Culture Forum, available at <http://www.worldcitiescultureforum.com/cities/tokyo/data> (accessed 2020.11.13)
- ii) In this study, urban gardening defines as a rental leisure activity to be away from the urban lifestyle, which differs from farming for food production.
- iii) In 2014, Tokyo metropolis count as 1575 UG, which occupied 38% of Japan.
- iv) Data concerned the Private Farmlands for Community Use, in the 89th Statistical Yearbook of - Ministry of Agriculture, Forestry and Fisheries. (市民農園の農園数及び面積の推移, 第89次農林水産省統計表, 農林水産省)
- v) As suggested in "Tokyo Agriculture Promotion Plan" by the Tokyo Metropolitan Governance, May 2017, available at <https://www.sangyo-rodo.metro.tokyo.lg.jp/plan/nourin/295/>
- vi) In February 2009, the "Report on the environment effects of policies addressing the urban heat island effect" confirmed the solution of green roof as the most economical among local authorities (ヒートアイランド対策の環境影響等に関する調査業務報告書, 環境省)
- vii) Mix-used building refers to the public function added to private buildings, such as office or commercial. In reference 28), Dimmer explains that the creation of the mix-used building in Japan generally came from the necessity to diversify the function of building in central during the nighttime while the most population was displaced to the adjacent town.

- viii) In 2014, a report on the proportion of green roofs by size and typology of building in Japan from 2000-2014 had pointed out that with surface greater than 1000m² the medical and welfare facilities shows a growing demand. (平成 26 年全国屋上・壁面緑化施工実績調査の結果報告, 国土交通省). Furthermore, interested in the benefit of green space toward well-being, the Center for Urban Design and Mental Health, established in Tokyo in 2015, has published a few case studies. (Urban Design Mental health 2017;3:4, available at www.urbandesignmentalhealth.com/journal.html (accessed 2018.05.25))
- ix) As suggested in the "Low Carbon City Development Guidance" by the Ministry of Land, Infrastructure, Transport and Tourism on December 2012, it is available at https://www.mlit.go.jp/toshi/city_plan/eco-machi-manual.html

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Chapter 3 Spatial quality experienced in UPS with community resilience: The case of renovated Open Space with Urban Gardening (OSUG)

Section 3.1 Chapter outline and purpose

Section 3.2 Method of study

3.2.1 Framework

3.2.2 Case studies

3.2.3 Fieldwork

Section 3.3 The settings of OSUG

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Section 3.6 Chapter conclusion

Chapter 3 Notes

Chapter 3 References

3.1 Chapter outline and purpose

This chapter focuses on the application of the proposed framework to study the spatial quality experienced in the case of UPS with community resilience. This type of urban public space, identified as open space with urban gardening (OSUG), will be examined through the interdisciplinary framework to reveal the composition of spatial qualities experienced by users. Concerning OSUG situation, an early study on urban gardening by Yuzawa¹⁾ confirmed its main advantages in education, experience, exchange, and a recent survey of urban gardening in Tokyo (Soga, 2017)²⁾ found its benefits in physical outdoor activities, human well-being and community resilience. Hence, these previous studies suggest examining the experience of urban gardening (UG) as outdoor leisure in the proximity open space (OS) of the neighborhood (Fig.3-1).

As an overview, this chapter will first explain the interdisciplinary framework in the case of OSUG, where the method of collecting data and the selection of case studies will be shown in section 3.2. Then section 3.3 will analyze the user's purpose, time, opinion, and the view from their route defined by the spatial boundary, which will illustrate the Settings of OSUG. Transversal analysis of these parameters will interpret patterns of Settings as People's experience in OSUG, explained in section 3.4. Finally, section 3.5 will reveal the factors composing the Qualities of the OSUG situation. As mentioned, this chapter's purpose is not to evaluate the current OSUG but to find beneficial elements in this model of exterior space belong to mix-used buildings contributing to a better design of urban public space.



Fig.3-1 Case of OSUG in Hoshinotani Danchi - Zama station
Source: hoshinotatnidanchiblog.tumblr.com

3.2 Method of study

3.2.1 Framework

The framework is detailed in Fig.3-2, structured in three steps. Firstly, by using the mixed method of collecting information through questionnaire-observation-rendering, data such as Purpose, Time, Route, Boundary, View, and Opinion are classified into different sets of patterns to reveal the Setting of OSUG. Secondly, these pattern sets are interpreted as parameters belonged to people's Experience, indicating as Activity, Path, and Impression. Finally, the combination of OSUG's Setting and People's Experience will reveal the Qualities of renovated OSUG. This analysis process corresponds to section 3.3, 3.4, 3.5, respectively.

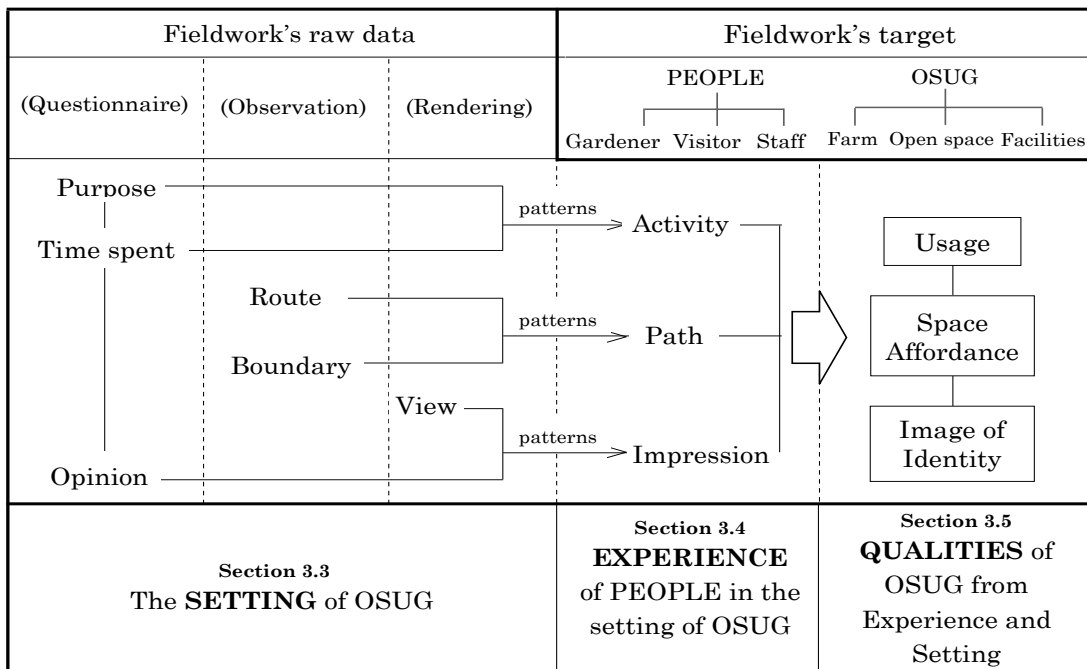


Fig.3-2 Framework

3.2.2 Case studies

This research targets to examine the beneficial factors of UG during the process of integration into the open space. Here the open space (OS) is chosen as an urban and social context of privately owned building such as commercial or residential. This particular context has an interest in using gardening as a tool for the reconversion to mix-used to accommodate city lifestyleⁱ⁾. Hence, this research focuses on the UG make by private firms which are acquiring at the same time a significant rise in quantity since the release of 「特定農地貸付けに関する農地法等の特例に関する法律」ⁱⁱ⁾. Additionally, integration by adding new functions requires a new design for the unused space, which defines these project as a renovation. From this viewpoint, the case studies extracted from all listed private UG in Tokyoⁱⁱⁱ⁾ were screened under conditions such as being a renovation, having a direct connection with open space and a high ratio of UG/OS. Constraint by the restriction for surveys in these private UG, as justified by their status of privately owned public space (POPS)^{iv)}, only two^{v)} were selected (detail in Tab.3-1). Case 1-Ebisu (E) was a pioneer model of OSUG. Renovated from an empty rooftop to a garden with UG, it aimed to enhance the green area of Tokyo center. Case 2-Zama (Z) is a recent project. Being part of a revitalization around the central station, it aimed to promote the neighborhood of Zama by using community gardening. Despite singularities in ownership, size, period, and renovation's purpose, these sites present a similarity in activities, accessibility, visibility, atmosphere.

Tab.3-1 Similarity and singularity of each case study

Similarities		Singularities	
Activities		<p>Case 1 - Ebisu (built 1997, renovated 2009) -Owner: JR East - Design : Ekipara - Management : Toho Leo -Location: Ebisu JR station- Atre West (Rooftop Green Garden) -Size: Open space 3132m² - UG 613m² (19.6%)</p> <p>- Purpose: Greening project to combat heat island in central Tokyo, - Program : integrate 1134m² of green, a wooden deck, landscape, and UG for community - Opening hours POPS: everyday 10:00-18:00, gardening staff present most of the time</p>	
Access		<p>Case 2 - Zama (built 1965, renovated 2015) -Owner: Odakyu - Design : Blue Studio - Management AgriMedia -Location: Zama station - Hoshinotani community house (area between building 3&4) -Size: Open space 4533 m² - UG 525m² (11.5%)</p> <p>- Purpose: Revitalize the neighborhood around the rental converted apartment - Program : integrate new facilities of cafe, childcare center, and UG for community - Opening hours POPS: everyday, mostly used during opening of cafe, staff come 3 times/week</p>	
Visibility			
Atmosphere			

● Evaluation from Ebisu’s user

● Evaluation from Zama’s user

*Data was collected during preliminary survey, responder rate the following information based on Likert scale:

AV1~6 : Actions : work, play, rest, do garden, eat and sleep, meet and talk

AC1~6 : Transport : walk, bicycle, car, train/bus, by wheelchair, using stroller

V1~6 : Clear vision on scenery elements : sky, building, landscape, farm, floor, surroundings

AM1~6 : Environment : lively, natural, comfortable, spacious, kid friendly, clean

3.2.3. Fieldwork

This sub-chapter explain the fieldwork, with a combined method targeting people directly in OSUG (Fig.3-3). There is a questionnaire asking their purpose, time spent and opinion. Parallely, there is an observation recording their used route defined by zones and boundaries. And lastly, a rendered image displays their views (Thiel,1997)³⁾.

The **questionnaire** has three parts: Purpose, Time spent and Opinion. Information of Part I-Purpose is shown in Tab.3-2. In Part II-Time spent, users precise their time spent in each location belongs to the illustrated circuit of Fig.3-4. And, in part III-Opinion (Tab.3-3), users rate two sets of elements related to Nature or Artificial and the whole OSUG, using the scoring of Likert scale. Besides, since gardening is a seasoning activity and mostly performs in summer, the content of questionnaire was checked via an antecedent screening (details in Tab.3-1) to be ready for the official survey during the period of 2017 July-August (Tab.3-4). Collection method uses on-site assistance and online completion and the target of each site is a minimum of 50 samples.

Next, the **observation** focuses on mapping zones (free walk, farm for UG, playground, facility) and boundaries. It was conducted at the same

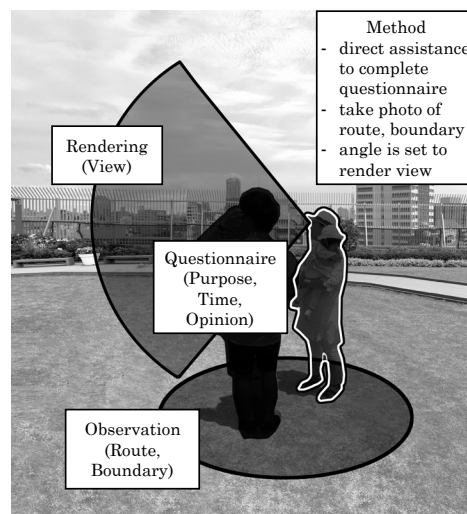


Fig.3-3 Fieldwork data sample

time of questionnaire, by another member taking photos to locate the responder's position in OSUG. The picture (Fig.3-3) captures the route^{vi)}, view angle and the nearby zones/boundaries.

Finally, the **rendering** aims to provide the real-time vision of responder by using a reversed mirror semi-sphere positioned as human eye level^{vii)} (Fig.3-5a). By applying the idea of Ashihara⁵⁾ in the design of exterior architecture, the following process of analysis removes the above part of the frame, then defines each major components outline for further pixel calculation^{viii)}(Fig.3-5b).

Tab.3-4 Survey schedule

Case	Time	Date	Sample collected	Total
Ebisu	12:00-14:00	Jul 22	14	50
		Aug 7	10	
	15:00-17:00	Jul 24	4	
		Aug 5	6	
		Aug 24	9	
	Aug 10	7		
Zama	12:00-14:00	Jul 16	5	52
		Jul 17	7	
		Jul 23	5	
		Jul 28	11	
	15:00-17:00	Jul 29	18	
		Aug 18	6	

Tab.3-2 Questionnaire Part I: Purpose

Gender: male, female
Age range: 20-35, 35-50, 50+
Companion: alone, family, friend
Proximity: work/home nearby, >15', >30', >1h
Frequentation: everyday, sometimes, rarely, first time
Transport: bus/train, bicycle, walk, car, with stroller
How did they know : by self, by others people or media
Intended to: - go out & play - eat, sleep, rest - work (OSUG facilities) - do gardening - meet someone, chat, talk

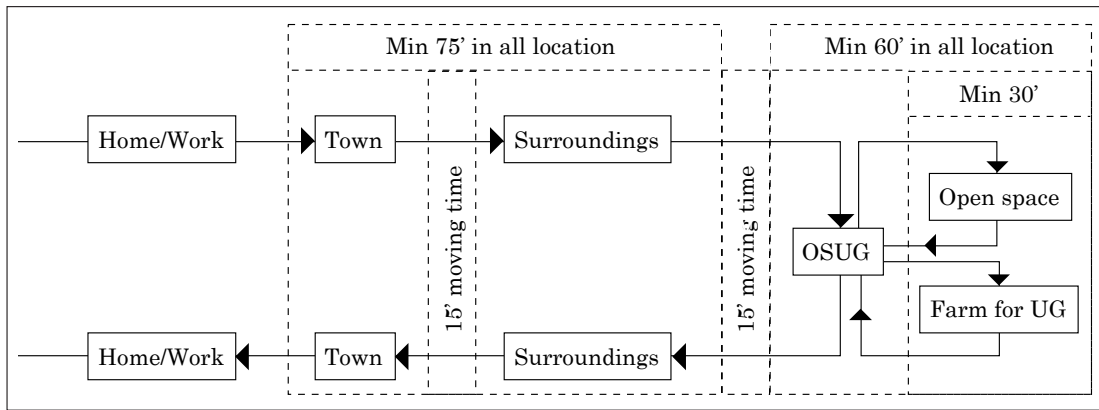


Fig.3-4 Questionnaire Part II: Time spent

Tab.3-3 Questionnaire Part III : Opinion

Scoring method		Element	Criteria	Element	Criteria	
Based on Likert scale	Excellent (5)					Related to Nature
	Good (4)	Built environment	Comfortable furniture			
	Average (3)	Landscape	Floor	Cozy shade		
	Fair (2)			Material is kid-friendly		
	Poor (1)	Farm	Healthy looking vegetables	Beautiful pavement		

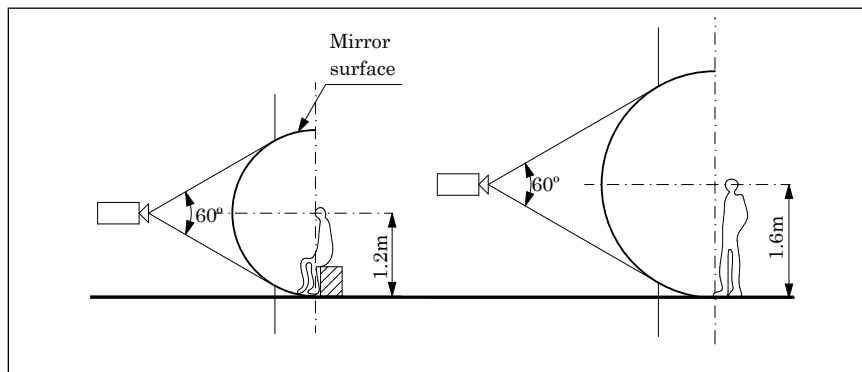


Fig.3-5a Rendering method

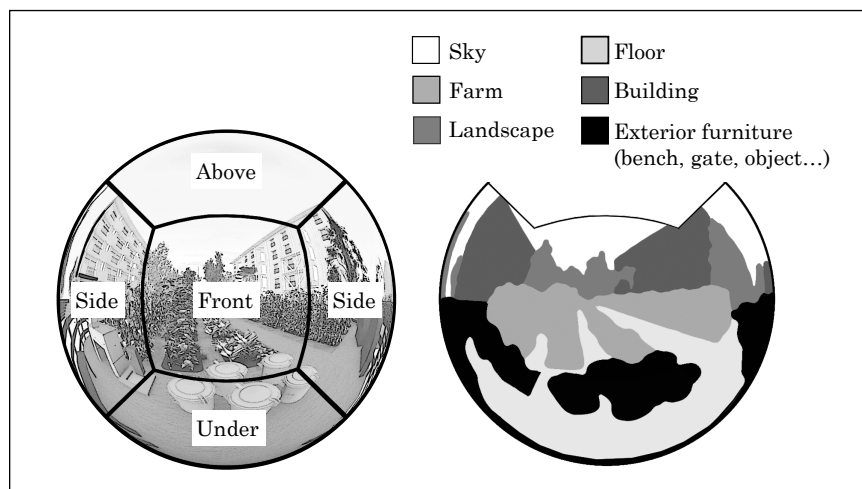


Fig.3-5b Cutout frame

3.3 The settings of OSUG

Data of 102 samples were classified and combined into three sets of patterns: Purpose-Time, Route-Boundary, and Opinion-View. The first one aims to clarify the background that attracts people to come and stay. The second one examines the exterior elements which orient people in space. And the last one exposes the furnishing affecting user's feeling. The analysis of these three sets describes the Setting composition of renovated OSUG.

3.3.1 Space supports long time spent and multiple purposes

In this study, Purpose is interpreted as the motivation influenced by external factors, such as a companion, location proximity, frequency and from where the user knew about this place. The classification of purposes in Tab.3-5a finds that both sites attract people by proximity, frequency, and companion (more than 50% responds). And the Purpose patterns of Tab.3-5b shows the highest rate in P2 and P3. It is also where the most variety exists, and a similar quantity appeared from both cases. Therefore, the high percentage of these patterns combined (80%) justifies the characteristics of accommodation for user's multiple purposes.

As for Time, 30' interval separates the time spent as being inside or outside of OSUG. As shown in Tab.3-6a, there are a lot of people spent more time at the Open space/Farm for UG than in the whole system of OSUG. Additionally, Ebisu has a higher rate of people using the Town-Surroundings. This is justified by its location in the city center, which also results in a high rate of time spent in all locations. Consequently, classified patterns of Time spent in Tab.3-6b highlights T2 and T4, with a close number from both sites. Representing more than 60%, the quantity confirms that the OSUG supports a long time spent, despite the discontinuity in T3.

Tab.3-5a Parameters of Purpose

Case study	Purpose (motivation to spent time influenced by external factors)	Companion		Proximity		Frequency		How to know	
		Alone	Not alone	Far > 30'	Close < 30'	Rarely	Once/week	By self	Others
		○	●	○	●	○	●	○	●
Ebisu	50	21	29	11	39	20	30	37	13
Zama	52	19	33	16	36	17	35	24	28

*In this table, the number represent the collected sample

Tab.3-6a Parameters of Time

Case study	Time spent in a location, delimit by 30' interval	Farm for UG /Open space		OSUG		Town + Surroundings		All	
		<30'	>30'	< 60'	>60'	<75'	>75'	<150'	>150'
		○	●	○	●	○	●	○	●
Ebisu	50	22	28	33	17	19	31	20	30
Zama	52	14	38	38	14	41	11	35	17

*In this table, each time interval is defined by Fig.3-4.

*The number represent the collected sample

Tab.3-5b Patterns of Purpose

Sample 102 (50/52)	Companion	Proximity	Frequency	Know it by	Purpose patterns
E10	○	○	○	○	No motivation 3 (2/1)
Z05	○	○	○	○	
E02	●	○	○	○	
E03	○	○	○	○	One motivation 18 (10/8)
Z06	○	○	○	○	
Z08	○	○	○	○	
E01	○	○	○	○	Two motivation 46 (23/23)
E15	○	○	○	○	
E06	○	○	○	○	
E20	○	○	○	○	Three motivation 35 (15/20)
Z01	○	○	○	○	
Z27	○	○	○	○	
Z17	○	○	○	○	P2
Z04	○	○	○	○	
Z51	○	○	○	○	
E23	○	○	○	○	P3
E46	○	○	○	○	
E04	○	○	○	○	
E11	○	○	○	○	P3
Z10	○	○	○	○	
Z13	○	○	○	○	
Z02	○	○	○	○	
Z03	○	○	○	○	

*In this table, the use of ○ and ● is referring to parameters defined in Tab.3-5a.

*Picked sample is the first one from collected list where specific pattern was showed.

*Number represent the collected sample

Tab.3-6b Patterns of Time

Sample 102 (50/52)	UG or Open space (min 30')	OSUG (min 60')	Town + Surroundings (min 75')	All locations (min 150')	Time spent patterns
E33	○	○	○	○	No time spent 5 (3/2)
Z06	○	○	○	○	
E16	○	○	○	○	
E42	○	○	○	○	One time spent 13 (7/6)
Z03	○	○	○	○	
Z14	○	○	○	○	
E02	○	○	○	○	Two time spent 31 (14/17)
E04	○	○	○	○	
Z01	○	○	○	○	
Z11	○	○	○	○	Three time spent 16 (7/9)
Z50	○	○	○	○	
E12	○	○	○	○	
E13	○	○	○	○	Four time spent 37 (19/18)
E18	○	○	○	○	
Z12	○	○	○	○	
Z21	○	○	○	○	T4
Z23	○	○	○	○	
E01	○	○	○	○	
Z02	○	○	○	○	

*In this table, the use of ○ and ● is referring to parameters defined in Tab.3-6a.

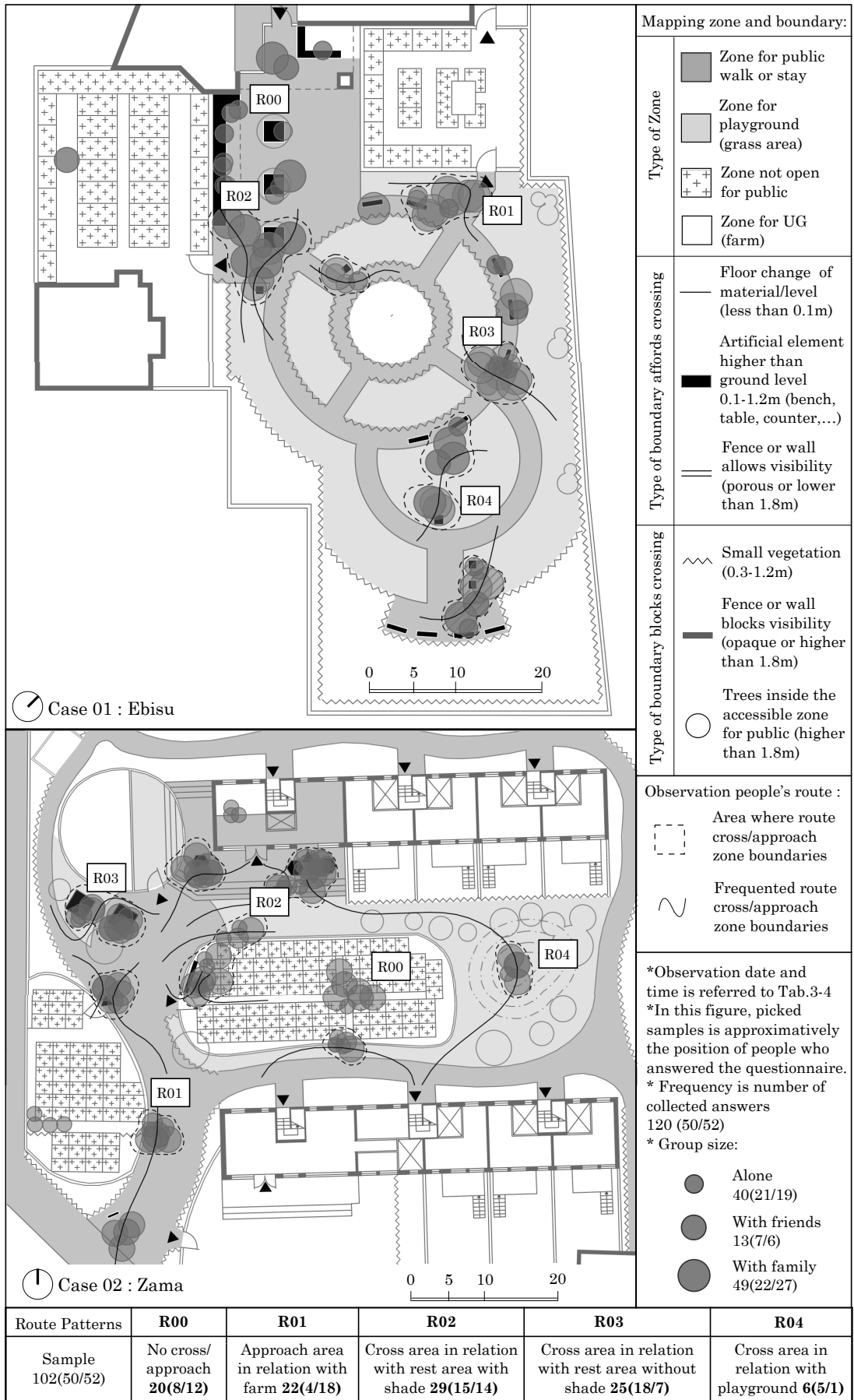
*Picked sample is the first one from collected list where specific pattern was showed.

*Number represent the collected sample

3.3.2 Space allows a potential route to cross boundaries

As being a POPS, zoning of OSUG have different public level. As illustrated in Fig.3-6, farm for UG is a nonpublic facility, delimited by a fence and located along the sidewalk. Others public facilities like the resting area or cafe are mostly facing the farm and the landscaped garden. There is also the lawn space, using as playground zones for children. Besides, physical elements are found at the transition between zones, materialized as Boundary. It is where people stay, sit or linger around. The variety of its height, material, nature divides Boundary into two categories: allows or blocks crossing. Consequently, observation on Route focuses on neither if users continuously stay inside a zone or tend to cross/approach different zones by passing the physical boundaries.

As grouped in the bottom part of Fig.3-6, Route is distributed into five patterns, ranging from the no cross/approach to different cross zone related to a rest area with or without shade, farm or playground. Additionally, related to group size, at near playground zone, there are mostly families while adjacent to the rest zone there are more samples of sample coming alone. This observation results in a higher rate of patterns near rest area R02, R03 comparing to R04. As an overview, the percentage of patterns tending to cross area R02, R03, R04 (nearly 60%) supports the characteristic of offering a potential route for exploring, despite the random variation in quantity between E and Z.



*In this table, number represent the collected sample from people who answered the questionnaire

Fig.3-6 Observation in OSUG and Route patterns

3.3.3 Space induces diverse views and a nature-oriented opinion

As proved by past researches, green factor influences how people adopt their way of being in places. Accordingly, Opinion on OSUG is divided follow up to the high rating on Nature, Artificial or both (Fig.3-7). Here, O1 occupied more than 50% with a high rate in both E and Z. This data suggest the preference of having a natural landscape in OSUG but not exclusively dominant.

Besides, open space is known for offering a View with a minimal screening surface and widely places objects. However, Fig.3-8 presents a diverse range of occupation by the sky, floor, and others components. Even though V2 represents more than 50%, the disproportion between E/Z shows that OSUG could offer a variety of ratio occupied by different view components.

Sample 102 (50/52)	Rating of Nature oriented elements	Rating of Artificial oriented elements	Opinion patterns
E01			O1 High rating on Nature 57 (22/35)
E28			
Z09			
Z34			
E04			O2 Equal rating 19 (12/07)
E17			
Z23			
E03			O3 High rating on Artificial 26 (16/10)
E16			
Z01			
Z15			

- Nature oriented elements (Sky, Landscape)
- Artificial oriented elements (Built environment, Floor)
- Farm

*In this table, the rating parameter are defined in Tab.3-3.

*Picked sample is the one that represent at least 20% of specific pattern from collected list of sample

*Number represent the collected sample

Fig.3-7 Patterns of Opinion

Sample 102 (50/52)	Area covered by sky (S)	Area covered by building, exterior furniture, landscape and farm	Area covered by floor (F)	View patterns
E01				Large S area 11(11/0) V1
E02				Large F area 57(18/39) V2
E03				
Z01				
Z12				
E07				Large area of F+S 20(20/0) V3
E42				
E32				Small area of S+F 14(1/13) V4
Z11				
Z17				

■ Floor area in rendered image

■ Sky area in rendered image

□ Area of others components in rendered image in Fig.3-5b.

*In this table, the image area is defined in Fig.4b

*Picked sample is the one that represent at least 20% of specific pattern from collected list of sample

*Number represent the collected sample

Fig.3-8 Patterns of View

3.4 People's experiences in OSUG

In user-participation research, Thiel (1997)³⁾ mentioned that the user adopts their unique way of understanding the stimulant in the physical environment. Hence, to convert the nondiscriminant information given by the environment to subjective interpretations of people, it is necessary to connect the above setting patterns to the related experience parameters. These factors are identified as Activity, Path, Impression corresponding to Purpose/Time, Route/Boundary, Opinion/View, respectively. This interpretation will reveal the particular user's standpoint describes as Experience.

3.4.1 Activity

OSUG is a multipurpose environment where people could spend a long time, but in there exist a variable order in Activity range. Collected data concerning intended activity (from Tab.3-2) are classified into in Tab.3-7a where single type P and hybrid type P+A+M are dominant (nearly 60%) while hybrid type P+A is absent. Tab.3-7b connects this data to the cross patterns of Purpose and Time spent. It is results in a strong tendency of */T2,*/T4 and a significant change from P2/* to P3/*. Firstly, concerning Time pattern, T2 and T4 are dominant at every level. As for the single/hybrid proportion ranging from T2 to T4 in the case of P2 and P3, while

Tab.3-7a Range of Activity

Range of Activity (Purpose and Time Spent relationship)	Passive (eat, rest, watch, read) (P)	Active (farm, work, exercise, assist) (A)	Multiple (go out, meet, sightsee) (M)	P+A	P+M	A+M	P+A+M
Sample (102)	31	6	4	0	15	10	36

*In this table, the number represent the collected sample

Tab.3-7b Tendency of Activity conditioned by Purpose/Time spent

Tendency of Activity Patterns of Purpose	Patterns of Time spent	T0	T1	T2	T3	T4
		No time spent (5)	One time spent (13)	Two times spent (31)	Three times spent (16)	Four times spent (37)
P0 No motivation (3)		(0)	(0)	(1)	(1)	(1)
		0 0 0	0 0 0	1 0 0	1 0 0	1 0 0
		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
P1 One motivation (18)		(2)	(1)	(6)	(3)	(6)
		2 0 0	0 0 0	5 0 0	2 0 0	5 1 0
		0 0 0	1 0 0	1 0 0	1 0 0	0 0 0
P2 Two motivations (46)		(2)	(6)	(13)	(8)	(17)
		0 0 1	4 0 0	4 0 0	4 0 0	2 1 2
		1 0 0	0 0 2	3 2 4	0 0 4	5 0 7
P3 Three motivations (35)		(1)	(6)	(11)	(4)	(13)
		0 0 1	0 0 0	0 0 0	0 1 0	0 3 0
		0 0 0	1 1 4	1 5 5	0 0 3	1 2 7

*In this table, Patterns of Purpose result from the analysis in Tab.3-5b. Patterns of Time spent result from Tab.3-6b. *Number in each unit is explained as follow, using the symbol and parameters defined in Tab.3-7a.

This number represents the collected sample where combination of patterns is found

(*)

These number represents each Activity range within the combination of P*xT*

single type didn't change much, the hybrid type decreased and absent the most in the case of T3. Secondly, concerning Purpose pattern, while Passive type present in the most case of P0 to P2, in P3 it is thoroughly absent and Active type emerges in a later part. As an overview of Activity tendency, even though type P and P+A+M occupy similar value, P is quite scattered distributed, while P+A+M concentrates only inside or near the dominant cases.

3. 4.2 Path

Reveal by the mapping of Fig.3-6, people in OSUG are most likely following specific Path determined by the Boundary's configuration. For instance in Tab.3-8a, Tendency of Path is interpreted by the combination of Route pattern, defining as Stay, Approach, Cross. While in Tab.3-8b, it follows the order of boundary's configurations represented by selected features, such as height, texture opaque/porous, and if the connected floor under presents a change in level or material (Fig.3-9). For example,

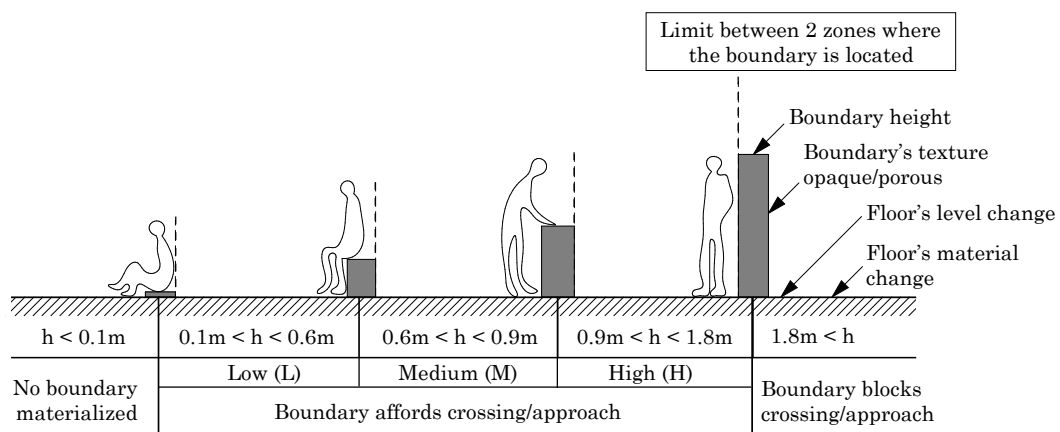


Fig.3-9 Boundary between zones and related features

people near Pa tend to stay, guided by the configuration of medium/high height, opaque texture, and a same floor level/material. Differently, Pb with a porous texture and a change in floor's material affords people to approach the zone's limit. Likewise, a height difference in Pc, Pd appeal to invite people to cross and move between zone. In quantitative analysis, the high presence of Pc1, Pd1 in Ebisu could explain the dominant of Cross patterns. Instead, a strong presence of Pb1 in Zama justify the high rate of Approach, as shown in the Route pattern result (Fig.3-6).

Tab.3-8a Path conditioned by Route

Route Patterns	Path	Sample (102)
R00	Stay	20 (8/12)
R01	Approach	22 (4/18)
R02 R03 R04	Cross	60 (38/22)

* Route patterns result from the analysis in Fig.3-6.

*In this table, the number represent the collected sample of observed people

*In this table, the use of ● indicate whether the features is appearing in the spatial configuration of boundary

*In this table, numbers indicate the amount of boundary's configuration relate to their features present on sites

Tab.3-8b Tendency of Path conditioned by Boundary

Tendency of Path (Route Patterns)	Boundary's feature between zone						Boundary configuration composed by the relevant features		
	Height			Texture		Floor level change			Floor's material change
	L : 0.1m - 0.6m	M : 0.6m - 0.9m	H : 0.9m - 1.8m	Opaque	Porous		Main configuration	Variant of main configuration	
Stay (R00)	●			●				Pa1(8/3)	Pa2(1/1)
			●	●					
Approach (R01)			●		●		●	Pb1(2/7)	Pb2(0/1)
			●		●	●	●		
Cross (R02 R03 R04)		●		●			●	Pc1(8/2)	Pc2(0/1)
		●		●			●		
	●			●			●	Pd1(5/0)	Pd2(0/1)
	●			●		●	●		

3.4.3 Impression

The nature-oriented and diversity of views in OSUG affects user's impression and defines their experience in this setting. Data related to Impression (Tab.3-3) are classified in Tab.3-9a. The range shows a predominant of G compare to B. Consequently, by combining this range to Opinion/View patterns (Tab.3-9b), the tendency discloses a dominance of G in most of the cases with the highest in O1/V2. Similarly, a large ratio of G in the second highest O3/V2 could suggest another preference on the artificial setting. Lastly, range B appears only in the dominant case of O1/V2, O1/V3, O1/V4, and O2/V2, O3/V2 presume that the Impression tends to vary according to other parameters of Activity and Path, although users are having the same patterns of opinion and view.

Tab.3-9a Range of Impression

Range of Impression (Opinion and View relationship)		Sample (102)
Good		72
Average		24
Bad		6

*In this table, the numbers represent the collected samples

*Range of Impression is a simplified version of the data collected during fieldwork using the Likert scale.

Tab.3-9b Tendency of Impression by Opinion/View

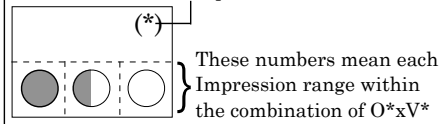
Tendency of Impression	Patterns of View	V1 Large Sky area (11)			V2 Large Floor area (57)			V3 Large area Sky+Floor (20)			V4 Small area Sky+Floor (14)		
		Patterns of Opinion											
O1 High rating on Nature (57)		(3)			(32)			(11)			(11)		
		3	0	0	25	6	1	9	1	1	5	4	2
O2 Equal rating (19)		(4)			(11)			(4)			(0)		
		3	1	0	6	4	1	3	1	0	0	0	0
O3 High rating on Artificial (26)		(4)			(14)			(5)			(3)		
		1	3	0	10	3	1	4	1	0	3	0	0

*Patterns of Opinion result from the analysis of Fig.3-7.

*Patterns of View result from the analysis of Fig.3-8.

*Number in each unit is explained in the beside figure, using symbol and parameters defined in Tab.3-9a.

This number represents the collected sample where combination of patterns is found



3.5 Qualities of renovated OSUG

Consequently, Qualities of renovated OSUG emerge from the Setting pattern together with the Experience factor. This incorporation reveals three essential qualities of OSUG, consisting of Usage, Space affordance and image of Identity. By combining these factors, Fig.3-10 illustrates seven scenarios currently happening in the renovated OSUG of Ebisu and Zama. These results are considered suitable to describe the situation of OSUG during the period when UG was mostly performed compared to the rest of the year and have a significant impact on user's experience. As an overview, there are similar scenarios happening on both sites of Zama and Ebisu (S1 to S6) despite the differentiation in spatial affordance of each site, as shown in the illustrations. Additionally, only scenario S7 is happening in Zama case. This phenomenon could be explained by the renovation's purpose in Zama which focus on community gardening and it justifies the central location of UG in OSUG. Otherwise, for other scenarios, the variation of each parameter of quality leads to an alteration in the scenario's core and corresponds to a different profile of users.

Usage (US), composing of purpose/time patterns and activity, emphasizes the quality of new usage created by renovation projects. This parameter makes a distinction between different profile who come with single or multiple purposes (S2, S3), with the one stay mostly in OSUG (S1) or the one who partly spend time within the surroundings (S6). Meanwhile, these profiles share similar activities according to the facilities present on site. For instance, frequent usage is carried out with various activities ranging from passive types such as having lunch in the seating area, or enjoying nature while watching the farm and

garden landscape, to physical types such as gardening, assisting children playing in the lawn space. Meanwhile, occasional usage could consist of resting after a day out in the neighborhood or involving in community practice of gardening. The data shows that a renovated OSUG offering an environment well adapted to local urban lifestyle and responding to the different needs of users. However, perhaps due to the restrictions within the POPS's perimeter, this environment highlighting on sedentary usage and limiting the practice of UG to restraint users group (only in S4, S7) might reduce the effect of UG on the whole usage of OSUG. This finding suggests an attention to the background of local's usage, a concentration effort on establishing the everyday scenarios for locals and extra practices for seasonal events, without missing the quality of renovation's strategy.

Space affordances (AF) in this study represents the effect of boundary not only on users frequented routes but also their paths as stay, approach or cross between zones. It emphasizes the new spatial design integrated into existing context to afford new usages and new identities. This parameter conditions the change in terms of boundaries configuration between different scenarios as shown in the illustrations of Ebisu and Zama. For example, a change in floor's material will switch the setting of scenario S1 from an rest area to the one of scenario S3 which is a playground. Or a change from opaque to porous texture will orient the stay path of S5 to approach path of S7. Additionally, affordance is flexible regarding the method of combination. For instance, with similar affordance results in S3 and S6, the low height boundary could be multiplied to create stairs intensifying the artificial settings in S6. While in S3, there is a duplicated change in floor's material to construct

a natural playground. Lastly, there is a variety of affordance design regarding the site's constraint. For example for S6, by using the same low height boundary, Ebisu has a design consisting of a zones organization compare to Zama results in change in floor's level creating steps. This result explains that renovation by integrating a new spatial structure into a neglected space requires the flexible design of affordance to guarantee the function, esthetic, and comfort within a controlled environment.

Identity (ID) frame the relationship of the user to OSUG through their vision, opinion and impression within the context. This parameter concludes the reflected image of OSUG in the mind of users, which contribute to the success of renovation projects. It is clear that all scenarios consisted of leisure experience leave mostly a good impression, offered either by a natural setting (S3, S4, S7), artificial setting (S6), or wide open space (S1). As located in a populous metropolitan, Ebisu and Zama remains hidden from the mass tourism but present a significant quality for the neighborhood and contribute to locals well-being. This result shows the positive effect of urban space quality of renovated OSUG in these scenarios. However, the missing identity appeared in S2 and S5 shed light on the insufficiency contribution to construct a complete image of identity for OSUG. This absence in quality not only create a spontaneous situation of S5, might result in a conflict in POPS's usage. This regard suggests an improvement focusing on the design as a positive space with a balanced quality in usage-affordance-identity rather than creating a negative space without control.

3.6 Chapter conclusion

Attempting to apply the interdisciplinary framework for the study of Tokyo renovated OSUG, this chapter aimed to examine the factor composition of Spatial Quality experienced in UPS with community resilience. The findings are summarized as follows:

Section 3.2 describes the method of collecting data from each of the user's parameters using fieldwork (observation, mapping, questionnaire) and rendering, and the process to select case studies was explained.

Section 3.3 analyzes the combined patterns of Purpose-Time, Route-Boundary, Opinion-View deliver the Settings of OSUG. Despite the difference between the two case studies, the results clarify a tendency in transforming neglect context to flexible and potential space for a contemporary lifestyle, within the constraint system of POPS.

Section 3.4 interprets the people's Experience in the environment of OSUG using Activity, Path and Impression. Despite the variety of interpretations, there is a primary in a hybrid type of activities, a strong tendency of path tending to cross boundaries, and a good impression.

And section 3.5 combines Setting and Experience to illustrate the Spatial Qualities of OSUG via a set of fundamental elements (Usage - Spatial Affordance - Image of Identity) composing the Scenarios of OSUG. These scenarios illustrate, on a broader scale, an overview of situations in OSUG of Tokyo. Despite the diversification in the combination of spatial quality factors, these scenarios prove a significant effort to improve UPS quality by the renovation concepts such as creating new usage, applying a flexible space affordance, and defining an attractive image of identity.

Chapter 3 Notes

- i) New business model envisioned creating a new market convincing urban citizen to interest in urban gardening by support and technology (Nikkei Asian Review Dec.2016, available at www.asia.nikkei.com/magazine/fresh-ideas/on-the-cover/a-new-crop-of-farmers-is-revitalizing-japanese-agriculture)
- ii) Release by MAFF in September 2005.
- iii) UG with access by public transport in Tokyo, Kanagawa, Chiba, Saitama.
- iv) POPS is defined as the open space accessible to the public during restricted hours. These space integrated to built environment belong to a facility of a commercial or residential program, for the community.
- v) These farms belong to private railway company (JR East and Odakyu). The survey was done within the perimeter of OSUG during their opening hours as public space, and with the user's acceptance. The manager Toho Leo and Agrimedia allows the survey on their staffs and the farm.
(日本語表記：JR 東日本, 小田急電鉄、邦レオ株式会社, 株式会社アグリメディア)
- vi) Route represent the user's movement tracked within the perimeters of surveyed area during observation. Accessibility such as the parcours from outside to the perimeters of survey area was omitted to keep the similarity between Zama and Ebisu. This method will also be applied in chapter 4.
- vii) In reference 4), Bourke explained there are enough approximations between this method and the equiangular fisheye projection generated by computer, hence, this method is suitable for this study.
- viii) In reference 3), Thiel explain the method of capturing user's view

Chapter 3 References

- 1) Yuzawa, A.: A Study on User Characteristic and Effect of Allotment Garden, *Journal of Architecture and Planning (Transactions of AIJ)*, Vol.77, No.675, pp. 1095-1102, 2012.5 (in Japanese) 湯沢昭：市民農園の利用者特性と効果に関する一考察，*日本建築学会計画系論文集*，第77巻，第675号，pp.1095-1102, 2012.5
- 2) Soga, M. et al: Health Benefits of Urban Allotment Gardening: Improved Physical and Psychological Well-being and Social Integration, *International Journal of Environmental Research and Public Health*, Vol.14, No.1:71, 2017.1
- 3) Thiel, P.: *People, Path, Purposes: Notations for a Participatory Envirotecture*, University of Washington Press, 1997
- 4) Bourke, P.: *Computer Generated Angular Fisheye Projections*, written on May 2001. Available at www.paulbourke.net/dome/fisheye (accessed 2016.11.20)
- 5) Ashihara, Y.: *Exterior Design in Architecture*, Van Nostrand Reinhold, pp.10-11, 1970

Chapter 4 Spatial quality experienced in UPS with integrated green space: The case of Rooftop Garden

Section 4.1 Chapter outline and purpose

Section 4.2 Method of study

4.2.1 Framework

4.2.2 Case studies of rooftop garden

4.2.3 Method of collecting data

Section 4.3 Physical attributes and variations in settings

4.3.1 Variation of settings by Zone and Boundaries

4.3.2 Variation of settings by Purpose and Opinion on Activity

4.3.3 Variation of settings by Opinion on View and View

4.3.4 Variation of setting by Shading and Wind flow

Section 4.4 Tangible and intangible experiences

4.4.1 Intangible aspect of Activity

4.4.2 Intangible aspect of Impression

4.4.3 Tangible aspect of Path

Section 4.5 Variation of Spatial Qualities in the rooftop garden

Section 4.6 Chapter conclusion

Chapter 4 Notes

Chapter 4 References

4.1 Chapter outline and purpose

This chapter focuses on the application of the proposed framework to study the variations of spatial quality experienced in the case of integrated green space in the new design of mix-used building exterior space. The case study of this chapter, identified as Rooftop Garden in the mix-used building (RG), will be examined through the interdisciplinary framework to reveal the variations of spatial qualities experienced by users. As this examination aims to understand further the characteristics of Spatial Quality, the investigation focus only on partial settings of UPS but on a longer study period, which intakes the influence of variable weather. Hence, the chapter 3 framework will be revised to select only parameters with variations aspect to develop in chapter 4, along with new parameters relating to the weather. This selection is based on the result of previous chapters and the difference between case studies.

This chapter will first explain the adapted interdisciplinary framework in the case of RG in MUB, the method of collecting data and the selection of case studies in section 4.2. Then section 4.3 will analyze the user's parameters subjective for variations, which will illustrate the Settings of RG. Transversal analysis of these parameters will interpret patterns of Settings as tangible and intangible Experience in RG, explained in section 4.4. Finally, section 4.5 will reveal the factors composing variations of Spatial Qualities of the RG situation. As mentioned, this chapter's aim is not to evaluate the design of contemporary Rooftop Garden in MUB (Fig.4-1)but to find beneficial elements from the viewpoint of the user to contribute to a enhance the new design of exterior space of MUB.



Fig.4-1 Rooftop Garden in Mix-Used buildings in Tokyo
Source: www.instagram.com/omohara_beer_forest

4.2 Method of study

4.2.1 Framework

The framework is detailed in Fig.4-2; structure in three steps corresponding to chapters 4.3, 4.4 and 4.5. In the first step, the method of data collection will combine the fieldwork by observation and questionnaire with the simulation of fisheye view, sun/shadow and wind flow. Also, the condition for data collection is defined for each method and the collected raw data are combined to a specific pattern, as shown in Fig.4-2. The assembly of these patterns will explain the Physical attributes and the Variations in the Settings of RG of section 4.3. In the second step, each pattern is interpreted as Activity, Path and Impression. These parameters represent the user's Experience and will be categorized as tangible or intangible in section 4.4. In the last step, through a combination of Setting and Experience, the variations of Spatial Qualities will emerge as a tangible and intangible relationship between Space Affordance with Usage and Image of Identity in section 4.5.

Method	Details of combined method for data collection					Properties of collected sample			
	Fieldwork by		Simulation of			118 user experiences (survey of 11 days on different weather condition)	Simulation the environment in a typical condition (clear day and average wind)	Four settings of rooftop gardens in Tokyo (observed in 3 months)	
Condition	Observation	Questionnaire	Fisheye view	Sun and shadow	Wind flow				
	During different weather case: sunny and no sun (cloudy, rainy)		On sunny or no sun day (cloudy, rainy)	Middle day of the month of fieldwork	Monthly average of fieldwork				
Combination of raw data	Zone	Purpose Opinion on Activity	View	Shading time	Wind flow	patterns	Path	Usage Space Affordance Image of Identity	
	Boundary						patterns		Activity
		Opinion on View				patterns	Impression		
Chapter	Section 4.3 The Physical attributes and the Variation in SETTING of Rooftop Garden					Section 4.4 Tangible and Intangible EXPERIENCES		Section 4.5 Variations of Spatial QUALITIES	

Fig.4-2 Framework

4.2.2 Case studies of rooftop garden

This sub-chapter explains the process of selection for case studies of RG in the mix-used building. Since these URS was built mostly by the private firms and had the highest concentration in Tokyo Metropolitan^{vii)}, this research then focuses on this typology classified in an evaluation scheme of the Social and Environmental Green Evaluation System^{viii)} Urban Oasis (SEGES). Firstly, these conditions were applied to the list of SEGES selection from 2013 to 2018: being a rooftop garden, locating in the city center, presenting a high ratio of the garden (50% surface of floor area) and having at least three primary areas such as open space, garden and rest area. Secondly, eight selected buildings were visited and a preliminary survey was conducted with its users to confirm the similarity on the level of activity, access, visibility and atmosphere^{ix)}.

From the preliminary results, four sites are chosen as case studies. Its general information and organization are described in Tab.4-1. For details, Case 1 Kitte is a renovation project focusing on a long promenade with a panoramic view of Tokyo station. This promenade guides users into different portions of the garden and rest area. Case 2 Omohara, on the other hand, is organized around a hexagonal open space and rest area surrounded by the garden. The unique appeal of this RG is the design of stairs around the central area, which is the transition between different areas. Case 3 Ginza is the most recent project of RG with the highest in altitude. The RG has a symmetrical plan concentrating on the open space with lawn and water. On both sides, the gardens are combined with rest area and long promenade around the RG. Case 4 Isetan is the pioneer of public RG in Tokyo, which showcases the landscaping garden distinguishing through seasons. The gardens are organized around a vast lawn space and multiples isolated shaded rest areas.

As to mention, these case studies present not only the similarities in general attributes but also have their singularity in the organization between the area of open space, garden and rest area, which is covering various situations for the analysis of variation in this research.

4.2.3 Method of collecting data

This sub-chapter explains the method for data collection from fieldwork and simulation. In fieldwork, data collected from each sample represents the real situation on-site in specific time and weather. In simulation, data collected from each sample in variable weather conditions represent the average conditions of RG affecting the user's situation.

Tab.4-1 Cases studies of Rooftop Garden from SEGES classification

		<p>Case 1 - Kitten: 6th floor of Kitten Japan Post Tower (built 1931, renovated 2012) -1500 m² (50% floor area) -Owner: Japan Post Co., Ltd. -Designer: Mitsubishi Jisho Sekkei Inc. -Program: shops, post office, event hall</p>
		<p>Case 2 - Omohara: 6th floor of Tokyu Plaza Omotesando-Harajuku (2012) - 820m² (70% floor area) -Owner: Tokyu Real Estate Co. -Design: NAP Architects, Takenaka Co. -Program: shops, cafe, garden</p>
		<p>Case 3 - Ginza: 13th floor of Ginza Six (2017) - 2000m² (60% floor area) -Owner: GINZA SIX Retail Manager Co. -Design: Yoshio Taniguchi, Kajima Co. -Program: offices, theatre, shops, garden</p>
		<p>Case 4 - Isetan: 9th floor of Isetan Shinjuku (built 1933, renovated 2013) - 1500m² (60% floor area) -Design : Mitsukoshi Isetan Co., Ltd. -Program: shops, banquet room, garden</p>

For **fieldwork**, observation and questionnaire were used to extract information of the users on-site. The raw data of each sample are illustrated in Fig.4-3. The observation method collects the mapping of the zone where users were found and their behavior along with the existing physical element considered as boundaries. After finding the location where users most frequent, a questionnaire will be conducted in these locations with user agreement to collect data such as their general information¹⁾, purpose and opinion (Tab.4-2a, Tab.4-2b). While users complete the online form, their posture and view angle were captured using the photograph. The fieldwork was conducted on four case studies in different weather, such as sunny or no sun (cloudy, rainy) from August to October 2018. And a total of 118 samples were collected with equal distribution on all sites and weather (Tab.4-2c).

For **simulation**, different software were used to illustrate the typical condition of space where users were found during fieldwork. As for the fisheye view, based on the photo collected from fieldwork, a rendering

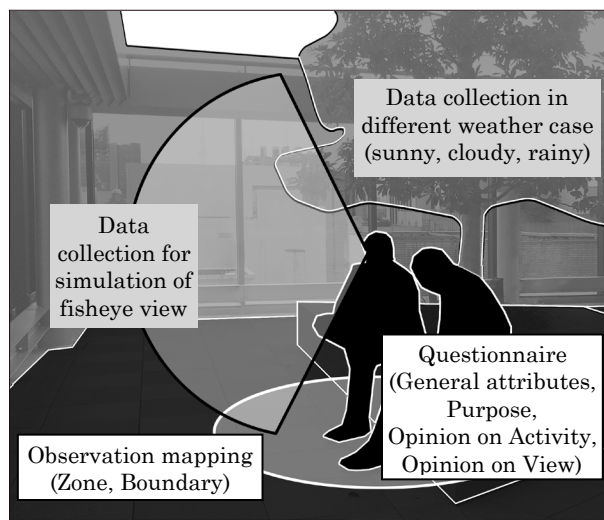


Fig.4-3 Fieldwork by observation

Tab.4-2a Questionnaire part I: Purpose

Come with: alone, family, friend
Frequentation: often, rarely, first time
Transport: bus/train, bicycle/walk, car
Know this place by: self, other people, media
Intended activity: Passive (eat, sleep, rest, watch nature), Active (play, meet someone, go out)
Impression: activity, access, visibility, atmosphere

Tab.4-2b Questionnaire part II: Opinion

Opinion on Activity	Opinion on View	
Easy to use	Scenery	Panorama
Flexible		Vegetations
Can meet others	Affected by weather	Furnitures
Optional activity (other than the intended one)		People outdoor
	Landscape	Sign, entrance
		Pavement

*User rate criteria based on Libert scale : Great (5), Good (4), So so (3), Poor (2), Bad (1)

Tab.4-2c Fieldwork schedule

CS	Date	Time	Weather	Sample	
Kitte	Sep 19	11AM - 2PM	Cloudy	14	28
	Aug 6	11AM - 3PM	Sunny	14	
	Oct 22	2PM - 4PM			
Omohara	Oct 5	3PM - 4PM	Cloudy/	15	31
	Oct 19	12AM - 1PM	Rainy		
	Aug 16	1PM - 4PM	Sunny		
Ginza Six	Aug 7	11AM - 3PM	Cloudy/	15	29
	Oct 17	1PM - 2PM	Rainy		
	Aug 18	12PM - 3PM	Sunny		
	Oct 22	12PM - 2PM			
Isetan	Sep 17	2PM - 3PM	Cloudy/	15	30
	Oct 5	11AM - 12AM	Rainy		
	Oct 19	2PM - 3PM			
	Aug 17	1PM - 2PM	Sunny		

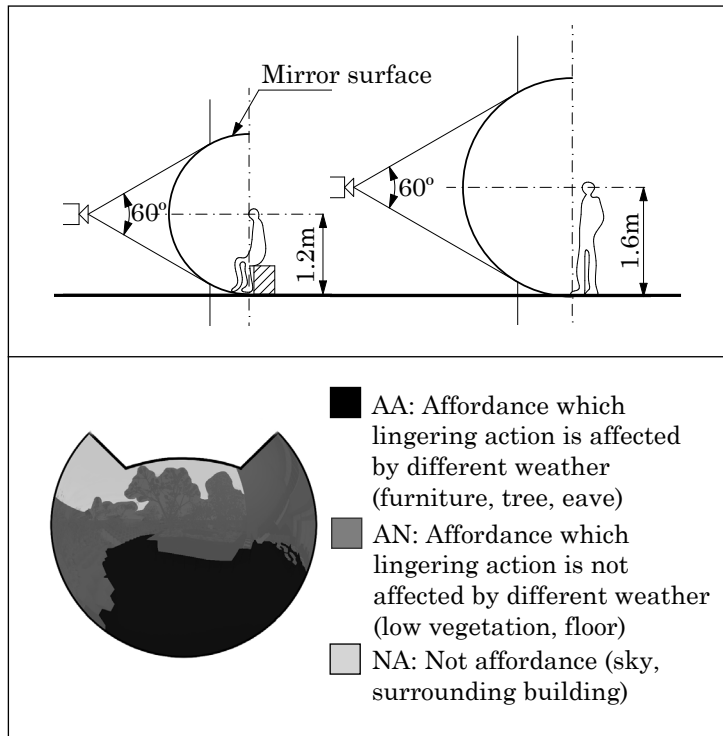


Fig.4-4a Simulation of fisheye view

Tab.4-3 Wind data for simulation

Monthly average (source WEADAC)	Velocity	Direction
August	2.3 m/s	South
September	3 m/s	North
October	3.8 m/s	North-Northeast

*Velocity average is calculated following the data of 11:00AM to 5:00PM according to fieldwork period.

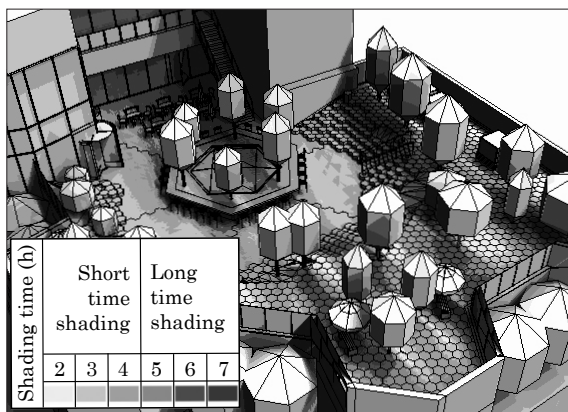


Fig.4-4b Simulation of sun and shadow

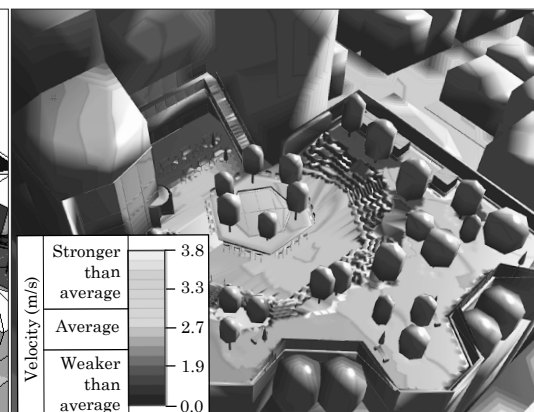


Fig.4-4c Simulation of wind flow

of each sample's view angle was built via a reversed mirror semi-sphere positioned at human eye levelⁱⁱ⁾ (Fig.4-4a). By applying the idea of Ashihara, the following process will remove the above part of the frame of the fisheye, then define the outline of each component identified in the frame for pixel calculationⁱⁱⁱ⁾.

As for sun/shadow and wind flow simulation, the locations of 118 collected samples are simulated under typical weather of the fieldwork period. This period, from August to October, is when the weather presents a moderate sun shading and wind velocity. This condition is moderate and could avoid the extreme influence of weather, which is considered most appropriate for outdoor lingering. Hence, the fieldwork questionnaire doesn't cover the range of thermal satisfaction and also the level of simulation is also defined at the level of early-stage environmental modeling. Specifically, for sun and shadow simulation^{iv)}, sun path is chosen on the middle day of the month, within the time interval of 10 am to 5 pm, which corresponds to the observation timeline (see Tab.4-2c). The result provided data of all the shaded zone during the study period and will be classified by long or short shading time (Fig.4-4b). Parallely, the wind flow simulation^{v)} is based on the monthly data taken from WEADAC^{vi)} (Tab.4-3), where the input of speed and direction was defined as average during the interval from 10 am to 5 pm, also corresponds to observation timeline. The result provided visualized data of airflow and wind speed variations on the sites, which will be considered as stronger or weaker than the average input from WEADAC (Fig.4-4c). The collected data of all the above simulations will be combined with the data of fieldwork for further analysis.

4.3 Physical attributes and variations in settings

Through data collection, 118 samples were collected containing properties related to the user's real situation captured on-site and the average condition simulated. With the actual situation, data samples will be classified and combined in two sets of [Purpose-Opinion on Activity] and [Opinion on View-View]. With the average condition simulated, samples will be classified into sets of [Zone-Boundary] and [Shading time-Windflow]. The details of each set and its corresponded variations are explained as follows.

4.3.1 Variation of settings by Zone and Boundaries

Through mapping during observation, Zones of RG are classified by their walkability. The three zones are defined as walkable, non-walkable and out of study perimeter. The users were found only in the walkable zone. This zone has three different areas according to user behavior, defined as the open space (playground, lawn space, walkway), the garden (abundance of trees and green) and the rest area (shaded area for sitting). In each area, if the user is found being in specific locations more than once, the locations are considered supported lingering activities and 118 selected samples for further analysis are then chosen in these locations (Fig.4-5).

The lingering activities are supported by the existing physical elements defined in this research as Boundaries. Boundaries are illustrated by their height in Fig.4-5 and classified by complementary features in Fig.4-6, such as porosity, material and whether it is affecting the lingering activities by allowing crossing/approach or blocking movement. As an

overview, observation on Zone-Boundary of all sites shows a similarity of samples from both weather sunny (S) and no sun (N) in open space(O), garden(G) and rest area(R). However, in the rest area, samples of S and N tend to be found in the nearly same spot but not in the case of the open space and the garden. Concerning each case, samples in Kitte and Omohara tend to be found in a large grouping, while in Ginza and Isetan, it is more scattered in smaller quantities on the whole site.

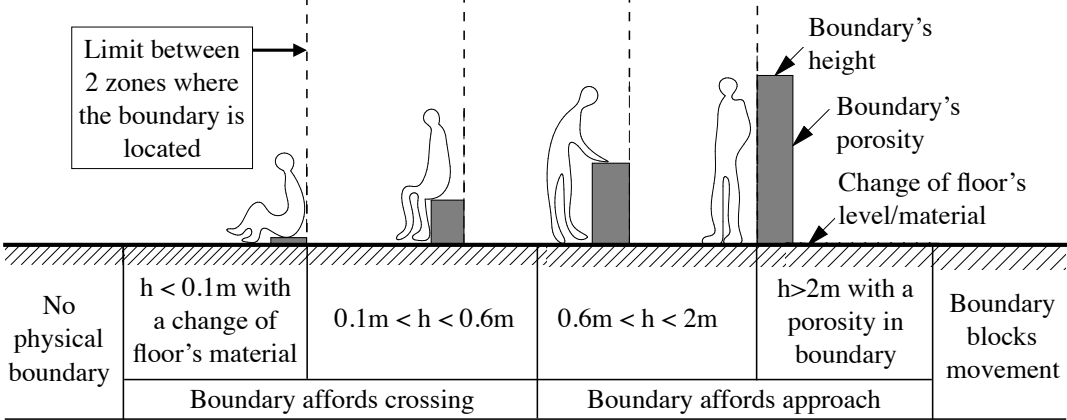
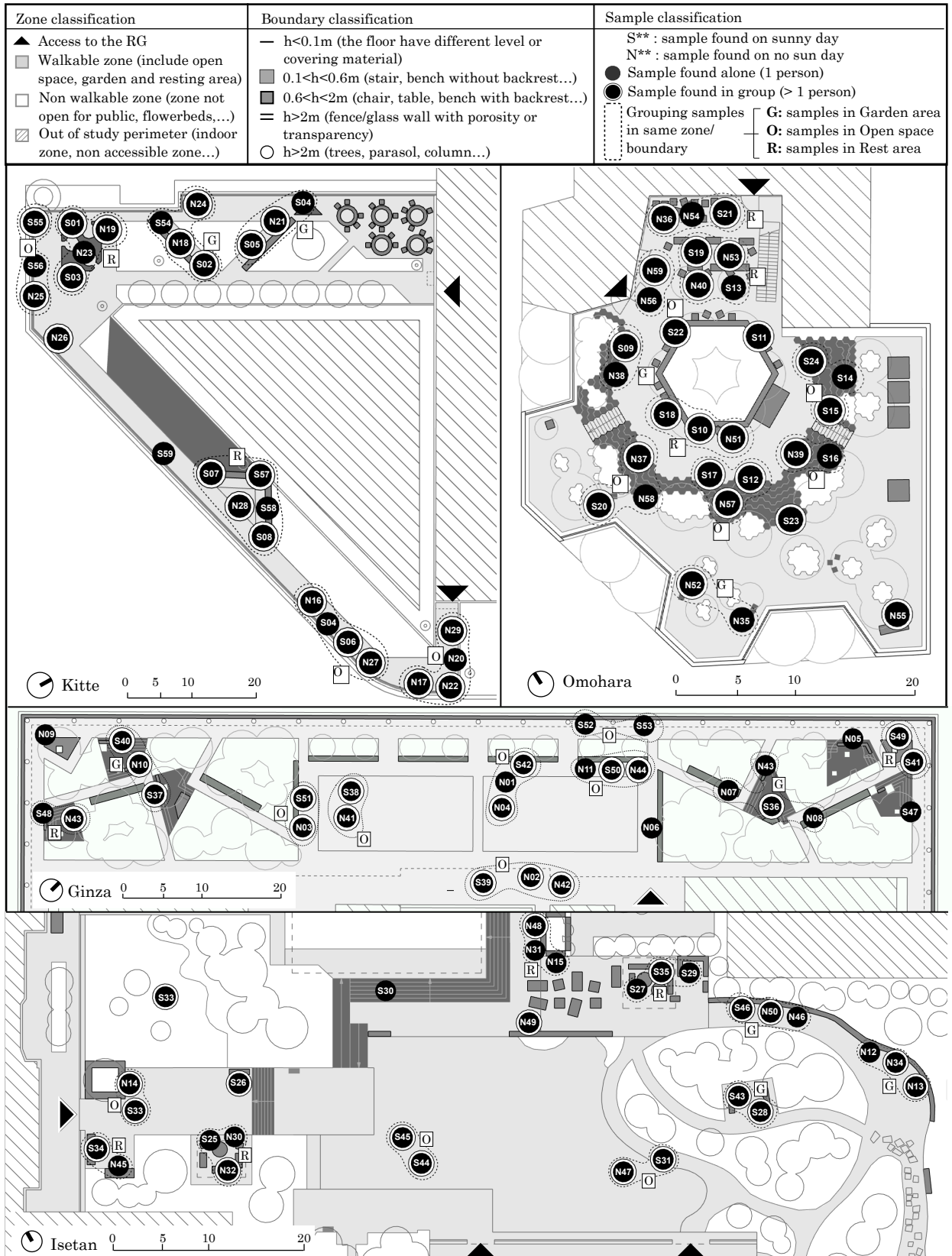


Fig.4-6 Boundaries



- * Plan delimitation is within the perimeter that could be observed permanently during fieldwork.
- * Zone classification is based on observation of user's behavior during fieldwork. Boundary classification is related to Fig.4-6.
- * Picked samples (numbered) is approximately the position of user answering questionnaire from the fieldwork scheduled in Tab.4-1c.
- * Grouping sample was defined when there is a frequentation more than one time at an area (during observation and questionnaire).
- * Size of the illustrated sample doesn't represent the number of collected answers. It is only to distinguish if the collected sample is from the user being alone or in groups.

Fig.4-5 Mapping Zone-Boundary-Sample

4.3.2 Variation of settings by Purpose and Opinion on Activity

Through the questionnaire, data of Purpose and Opinion on Activity are collected. As for Purpose, it is interpreted as the motivation influenced by external factors, as shown in Tab.4-4a. The classification finds that in both weather cases, users are attracted to RG by external factors (more than 50% responds) and this ratio is similar in both cases. The same high ratio appears in the Purpose patterns of Tab.4-4b. There is majority found in P3, P4 (cover more than 60%) with the same pattern appearing in case of S and N. However, it exists another pattern (cover 30%) in other cases of P0, P1, P2 where the variety in each case of S and N is different. These patterns confirm the existence of variations in Purpose.

While for Opinion on Activity collected through the questionnaire, the parameters are classified as shown in Tab.4-5a. In Tab.4-5b, a high ratio (more than 50%) and a similar rating were found in both weather cases of intended activity while this proportion change in the following parameters. This distinctive pattern with the majority found in OA2 and OA3 even though it exists similar quantity and variety of S and N in most of the case. This result proves the existence of variations in Opinion on Activity.

Tab.4-4a Parameters of Purpose

Samples in weather case	Purpose parameters (motivation to come)										
	Alone		Came before		How to move		Know this by				
	Yes	No	Yes	No	Self	Public	Self	Others			
Sunny	59	15	44	28	31	19	40	24	35		
No sun	59	13	46	17	42	18	41	17	42		

* In this table, data is collected from the questionnaire of Tab.4-1a.

* The number represent the collected sample in different weathers of all case studies.

Tab.4-5a Parameters of Opinion (A)

Samples in weather case	Opinion on activity parameters										
	Easy to use		Flexible		Optional activities		Can meet others				
	Average	Good	Average	Good	Average	Good	Average	Good			
Sunny	59	11	48	17	42	35	24	33	26		
No sun	59	10	49	12	47	27	32	36	23		

* In this table, data is collected from the questionnaire of Tab.4-1b.

* The number represent the collected sample in different weathers of all case studies.

Tab.4-4b Pattern of Purpose

Sample 118 (59/59)	Alone	Came before	Transport	Know it by	Patterns of Purpose (motivation to come in different weather case)
S02	○	○	○	○	P0 No motivation (just happen to be) 7 (5/2)
N23	○	○	○	○	
S45	○	●	○	○	
S30	○	○	●	○	
S04	○	○	○	●	
N45	●	○	○	○	
N34	○	○	○	○	
N12	○	○	○	○	P1 One driven motivation 14 (7/7)
S11	○	○	○	○	
S17	○	○	○	○	
S26	○	○	○	○	P2 Two driven motivations 21 (14/7)
S01	○	○	○	○	
N20	○	○	○	○	
N29	○	○	○	○	
N01	○	○	○	○	
N09	○	○	○	○	
N02	○	○	○	○	
S10	○	○	○	○	P3 Three driven motivations 39 (17/22)
S27	○	○	○	○	
S38	○	○	○	○	
S09	○	○	○	○	
N18	○	○	○	○	P4 Four driven motivations 37 (16/21)
N11	○	○	○	○	
N24	○	○	○	○	
N07	○	○	○	○	
S03	○	○	○	○	
N03	○	○	○	○	

*In this table, ○ and ● are referring to the parameters in Tab.4-4a.
 *Picked sample is the first one collected of the samples list from fieldwork which have the pattern
 *Number represent the quantity of collected samples found in each weather case (S/N) respectively.

Tab.4-5b Pattern of Opinion on Activity

Sample 118 (59/59)	Easy to use	Meet others	Flexible	Optional Activity	Patterns of Opinion (on activity)
S56	○	○	○	○	OA0
N51	○	○	○	○	
S11	●	○	○	○	All average 3 (1/2)
S02	○	○	○	○	
S48	○	○	○	○	
S21	○	○	○	○	
N25	○	○	○	○	OA1 Rather average 19 (11/8)
N28	○	○	○	○	
N08	○	○	○	○	
S04	○	○	○	○	OA2 Moderate 35 (20/15)
S20	○	○	○	○	
S32	○	○	○	○	
S16	○	○	○	○	
S12	○	○	○	○	
S05	○	○	○	○	
N05	○	○	○	○	OA3 Rather good 42 (19/22)
N48	○	○	○	○	
N12	○	○	○	○	
N59	○	○	○	○	
S03	○	○	○	○	OA4 All good 19 (8/11)
S29	○	○	○	○	
S01	○	○	○	○	
N01	○	○	○	○	
N43	○	○	○	○	
N23	○	○	○	○	
N13	○	○	○	○	
S08	○	○	○	○	
N04	○	○	○	○	

*In this table, the use of ○ and ● is referring to the parameters in Tab.4-5a.
 *Picked sample is the first collected of the samples list from fieldwork which have the pattern.
 *Number represent the quantity of collected samples found in each weather case (S/N) respectively.

4.3.3 Variation of settings by Opinion on View and View

In user's experience, visual perception can influence how people recognize affordance and how they adapt their way of being in space. This perception is interpreted as patterns of View and patterns of Opinion on View. As for View, by analyzing the results collected from fisheye view simulation, patterns are classified by a large area of AA, AN or both, as shown in Fig.4-7. This classification is strongly related to weather cases.

In Opinion on View (Fig.4-8), the questionnaire data are categorized as following a high rating on scenery, on the landscape, or an equal rating on both. The finding shows in Fig.4-7 an absence of samples S in V2 while the ratio between S and N found not much difference between V1 and V3. While the results in Fig.4-8 shows no variations in all patterns for both weather cases and a similar ratio is found in each pattern (around 33% in OV1, OV2, OV3). It can prove that the variation between S and N is shown in the pattern of View while it is not visible at this level of analysis in Opinion on View.

Sample 118 (59/59)	% area of AA	% area of NA	% area of AN	Patterns of View
S03 S29 N43 N26				Large area of AA 55(32/23)
N45				Equal area AN-AA 13(0/13)
S11 S26 N30 N04				Large area of AN 50(27/23)

■ NA: not affordance (sky, surrounding building)
 □ AN: Affordance by which lingering action is not affected under different weathers (floor, low vegetation)
 ■ AA: Affordance by which lingering action is affected under different weathers (furniture, tree, eave)
 *In this table, the image frame and area is defined in Fig.4-4a. The number represent the quantity found in each weather case (S/N) respectively. Picked sample represents at least 20% of the related pattern.

Fig.4-7 Pattern of View

Samples 118 (59/59)	Preference on the landscape				Preference on the scenery			Patterns of Opinion(V)
	3	2	1	0	1	2	3	
S08 S25 N02 N45		■	■	■	■	■	■	OV1 High rating on scenery (>3) 42 (24/18)
S12 S24 N08 N26		■	■	■	■	■	■	OV2 Equal rating (both =3) 37 (16/21)
S03 S19 N10 N32	■	■	■	■	■	■	■	OV3 High rating on landscape (>3) 39 (19/20)

- Landscape (entrance, pavement)
- Affected by weather (furniture, people)
- Scenery (green, panorama)

*In this table, the rating parameters are defined in Tab.4-1b. The number represent the quantity found in each weather case (S/N) respectively. Picked sample represents at least 20% of the related pattern.

Fig.4-8 Pattern of Opinion on View

4.3.4 Variation of settings by Shading and Wind flow

Through simulation of sun/shadow (shading) and wind flow, the simulated data are classified into different categories related to the average condition of weather. The details of each pattern of Shading Time and Wind flow are explained in Tab.4-6 and Tab.4-7. In Shading Time (Tab.4-6), even though the pattern of ST2 is superior to others, but the ratio distribution is almost equal (26% to 40%). This finding presents no major predominant in all patterns of all cases study.

On the other hand, in Wind Flow (Tab.4-7), the majority is found in WF1 (83%), which has the most variety of patterns. Concerning each case study in WF1, in Kitte and Omohara, the variations are less present compared to the case of Ginza and Isetan. The case of Kitte particularly doesn't exist in patterns of WF0 and WF2, which could be explained by the minimal appearance of shading and windbreak on the site. This variation shows a strong relation to wind flow than to shadow despite mild weather during the fieldwork period. It can be explained by the locations on top of the building of cases study.

Tab.4-6 Pattern of Shading time

Sample 118 (59/59)	August	September	October	Patterns of Shading time (total shaded hours from 10am to 5pm)
N16(K)	○	○	○	ST0 No change in short shading time 39 (18/21)
S10(O)	○	○	○	
N01(G)	○	○	○	
S25(I)	○	○	○	ST1 Exist change between short and long shading time 31(15/16)
S02(K)	●	○	○	
S12(O)	●	○	○	
S18(O)	○	○	○	
N55(O)	○	○	○	
N41(G)	●	○	○	
N10(G)	○	○	○	
N12(G)	○	○	○	ST2 No change in long shading time 48(26/22)
N13(I)	○	○	○	
N12(I)	○	○	○	
N03(G)	○	○	○	
S12(O)	○	○	○	
S01(K)	○	○	○	
N14(I)	○	○	○	

*In this table, the data resulted from the simulation of Fig.4-4b. Symbol follows the defined parameters.

- Short time shading
- Long time shading

*Sample position is used for simulation data. This position is illustrated in Fig.4-5. The abbreviation K,O,G,I shows that samples are found at Kitte, Omohara, Ginza or Isetan.

*Picked sample is the first one collected from the fieldwork list, it is the sample which is representing the illustrated pattern. The number represents the collected samples found in each weather case (S/N) respectively.

Tab.4-7 Pattern of Wind flow

Sample 118 (59/59)	August	September	October	Patterns of Wind flow (monthly average velocity & direction)
N02(G)	○	○	○	WF0 No change in weak velocity compare to average 12 (4/8)
S25(I)	○	○	○	
S01(K)	○	○	○	WF1 Exist change between weak and strong velocity compare to average 98(49/49)
N16(K)	○	○	○	
S10(O)	○	○	○	
N36(O)	○	○	○	
N42(G)	○	○	○	
S47(G)	○	○	○	
N09(G)	○	○	○	
S49(G)	○	○	○	
N03(G)	○	○	○	
N49(I)	○	○	○	
S28(I)	○	○	○	WF2 No change in strong velocity compare to average 8(6/2)
N46(I)	○	○	○	
S26(I)	○	○	○	
N34(I)	○	○	○	
S20(O)	○	○	○	
S52(G)	○	○	○	
S27(I)	○	○	○	

* In this table, the data resulted from the simulation of Fig.4-4b. Symbol follows the defined parameters.

- Velocity weaker than the monthly average
- Velocity stronger than the monthly average

* Sample position is used for simulation data. This position is illustrated in Fig.4-5. The abbreviation K,O,G,I shows the sample is found at Kitte, Omohara, Ginza or Isetan.

* Picked sample is the first collected from the fieldwork list, which is representing the illustrated pattern. The number represents the collected samples found in each weather case (S/N) respectively.

4.4 Tangible and intangible experiences

As Thiel^{x)} mentioned in the user-participation research, the user adopts their unique way to understand the physical attributes of space, which results in their own experience. In the direction of POE (post-occupancy evaluation), this chapter focuses on the user's evaluation of their experience, by interpreting the variations of patterns found from the previous chapter.

4.4.1 Intangible aspect of Activity

RG in the mix-used building provides multiple functional areas which afford lingering, relaxation and encourage users to walk around. Hence, the range of Activity classified in Tab.4-8a shows the quantity of all types with a similarity between S and N. However, in Tab.4-8b, the tendency of Activity, interpreted by crossing the patterns of Purpose (P0 to P4) and Opinion on Activity (OA0 to OA4) shows a different tendency. As an overview, passive Activity, despite the high ratio (near 50% of total samples), has a distribution scattered in most cases of the cross patterns while active Activity concentrates mostly in the case of the majority of A1, A2, A3. Concerning the distribution within the case of the majority, while in A1, S tends toward more passive than in N, in A2 the distribution is nearly equal and in A3 the ratio tends toward N. However, these tendencies are only isolated in the specific case of majority and aren't repeated in the case nearby. This finding could not solidify a regular order in distribution, which explains the intangible aspect of Activity.

Tab.4-8a Range of Activity

Activity range (Purpose & Opinion on Activity relationship)	In sunny weather case (S)			In no sun weather case (N)		
	Passive (P)	Active(A)	Multiple (M=A+P)	Passive (P)	Active(A)	Multiple (M=A+P)
Sample 118 (59/59)	23	15	21	29	12	18

*In this table, the number represent the collected sample

Tab.4-8b Tendency of Activity conditioned by Purpose/Opinion(A)

Tendency of Activity	Patterns of Opinion on Activity	Patterns of Purpose	P0	P1	P2	P3	P4
			No motivation (7)	One motivation (14)	Two motivation (21)	Three motivation (39)	Four motivation (37)
OA0 All average (3)			(0)	(1)	(0)	(2)	(0)
	-		-	-	-	1	-
	-		1	-	-	-	1
OA1 Rather average (19)			(5)	(2)	(3)	(6)	(3)
	3		-	1	-	3	1
	1		-	1	-	3	-
OA2 Moderate (35)			(1)	(5)	(4)	(11)	A2 (14)
	1		-	1	3	2	1
	-		-	1	1	4	1
OA3 Rather good (42)			(1)	(4)	A1 (12)	(10)	A3 (15)
	-		-	2	3	3	2
	1		-	2	-	3	3
OA4 All good (19)			(0)	(2)	(2)	(10)	(5)
	-		-	-	1	3	-
	-		2	-	-	5	2

*In this table, Purpose patterns result from Table 4-4b. Patterns of Opinion on Activity from Tab.4-5b.

*Number in each unit is as follows, using parameters of Tab.4-8a.

*Majority represents more than 10% of total samples collected.

This number represents the collected samples where the combination of patterns is found.

(in S) $\begin{matrix} & P & A & M \\ P & & & \\ A & & & \\ M & & & \end{matrix}$ (*)

(in N) $\begin{matrix} & P & A & M \\ P & & & \\ A & & & \\ M & & & \end{matrix}$

These number represents each Activity range within the combination of P*xOA* on S/N.

4.4.2 Intangible aspect of Impression

As for the range of Impression described in Tab.4-9a, the parameter of Good impression is in the majority (80%) and is found with nearly equal distribution for S and N. Then, by crossing the patterns of View (V1 to V3) and Opinion on View (OV1 to OV3) in Tab.4-9b, the tendency of Impression shows a broad distribution of this parameter in most of the case. Especially in the case of N, this parameter showing nearly the same quantity, but there is no specific order. Inside the majority case of I1 to I6, this parameter also indicates the highest ratio, but there is no particular order to distinguish between S and N. This finding also explains the intangible aspect of Impression.

Tab.4-9a Range of Impression

Range of Impression (Opinion on View and View relationship)		Sample (118)
In case of S	Excellent (E)	7
	Good (G)	39
	Average (A)	13
In case of N	Excellent (E)	9
	Good (G)	42
	Average (A)	8

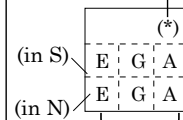
*In this table, the numbers represent the collected samples.

Tab.4-9b Tendency of Impression by View/Opinion(V)

Tendency of Impression	Patterns of Opinion on View	Patterns of View		
		V1 Large area of AA (55)	V2 Equal area AN-AA (13)	V3 Large area of AN (50)
OV1 High rating on Scenery (42)		I1 (18)	(4)	I4 (20)
		- 8 2 1 7 -	- - - - 3 1	3 7 4 - 6 -
OV2 Equal rating (37)		I2 (18)	(5)	I5 (14)
		2 7 1 2 4 2	- - - 1 3 1	2 4 - 4 4 -
OV3 High rating on Landscape (39)		I3 (19)	(4)	I6 (16)
		- 9 3 - 7 -	- - - - 4 -	- 4 3 1 4 4

*In this table, Opinion patterns are results from Fig.4-7. View patterns are results from Fig.4-8. *Number in each unit is explained as follows, as parameters of Tab.4-9a.

This number is the collected samples where the combination of patterns is found.



These number show each Activity range within the combination of OV*xV* on S or N.

4.4.3 Tangible aspect of Path

The tendency of Path is a combination of patterns of Zone-Boundary and patterns of Shading Time-Wind Flow, as shown in Tab.4-10. Firstly, from the physical features of boundary presenting in each area (open space, garden and rest area), features considering height, texture, enclose and green elements are classified. This range of features results in eight main configurations (PO-PG-PR) with not much difference in quantity between them. The main configuration also has some variants depends on the sample position in each case study.

Secondly, the range of Path also follows an order of Shading Time (ST) and Wind Flow (WF) patterns. By connecting the boundary features and patterns of ST/WF, the tendency of Path is revealed in five majorities of configurations depends on each of the RG areas, defined as POa, POc, PGa, PGb, PRc. These major configurations exist in all cases, which represents the tangible aspect of Path.

4.5 Variation of Spatial Qualities in the rooftop garden

Qualities of URS emerge from the overlapping factors of Setting with Experience. Hence, to study the variations of Spatial Qualities, it is necessary to understand the relationship between these factors. As found in the previous chapter, Experience as Activity, Path and Impression strongly influence the Quality factors as Usage (US), Space Affordance (SA), Image of Identity (ID), respectively. As found in the previous section, only the factor of Path shows a tangible aspect that can be measured and understood through the combination of ST/WF and physical boundaries. For this reason, the Tendency of Path is the base of variations. Hence, the difference in its configurations will indulge in the change of Activity and Impression. Furthermore, as all samples

Tab.4-10 Tendency of Path by Zone/Boundary and pattern of Shading/Wind flow

Range of Path by physical features of boundary in each area	Features considers patterns ST&WF					Configuration composed by the physical features and by considering the patterns of Shading time and Wind flow		Tendency of Path	Range of Path by patterns of Shading Time (ST) & Wind flow (WF)							
	Height		Texture		Enclose				*Green	ST	WF					
	h < 0.1m	0.1m < h < 0.9m	0.9m < h < 2m	Opaque	Porous	Change in floor material	No enclose		1 side	2 sides	3 sides	Present	Non-present	Main configuration	Variations derived from the main configuration	
Open space (O)	●					●					●				No change in short ST 39	No change in weak WF 12
	●					●	●				●					
	●		●					●			●					
Garden (G)	●			●				●			●				Exist change of short & long ST 31	Exist change between weak and strong WF 98
	●			●				●			●					
	●			●				●			●					
Rest area (R)	●			●				●			●				No change in long ST 48	No change in strong WF 7
	●			●				●			●					
	●		●	●				●			●					
	●			●				●			●					

* In "Range of Path by physical features boundary":

- The distinction between area is based on observation, user's position in each area is indicated in Fig.4-5.

- The use of ● symbol indicates if the physical features are appearing in the boundary configuration.

- *Green parameter covers the range of vegetations affecting on the affordance of lingering activity (creating shade, enclose, ornament for viewing).

- The number indicates the quantity of samples of boundary configuration found in different area during fieldwork.

* In "Range of Path by patterns of Shading Time (ST) & Wind flow (WF)":

- Patterns of ST and WF result from the analysis of Tab.4-6 and Table 4-7. Number represents the collected sample.

- The selected configuration need to cover at least 10% of the relevant pattern.

* In "Tendency of Path":

- The use of ●—● indicates that relationship exists both in ST and WF

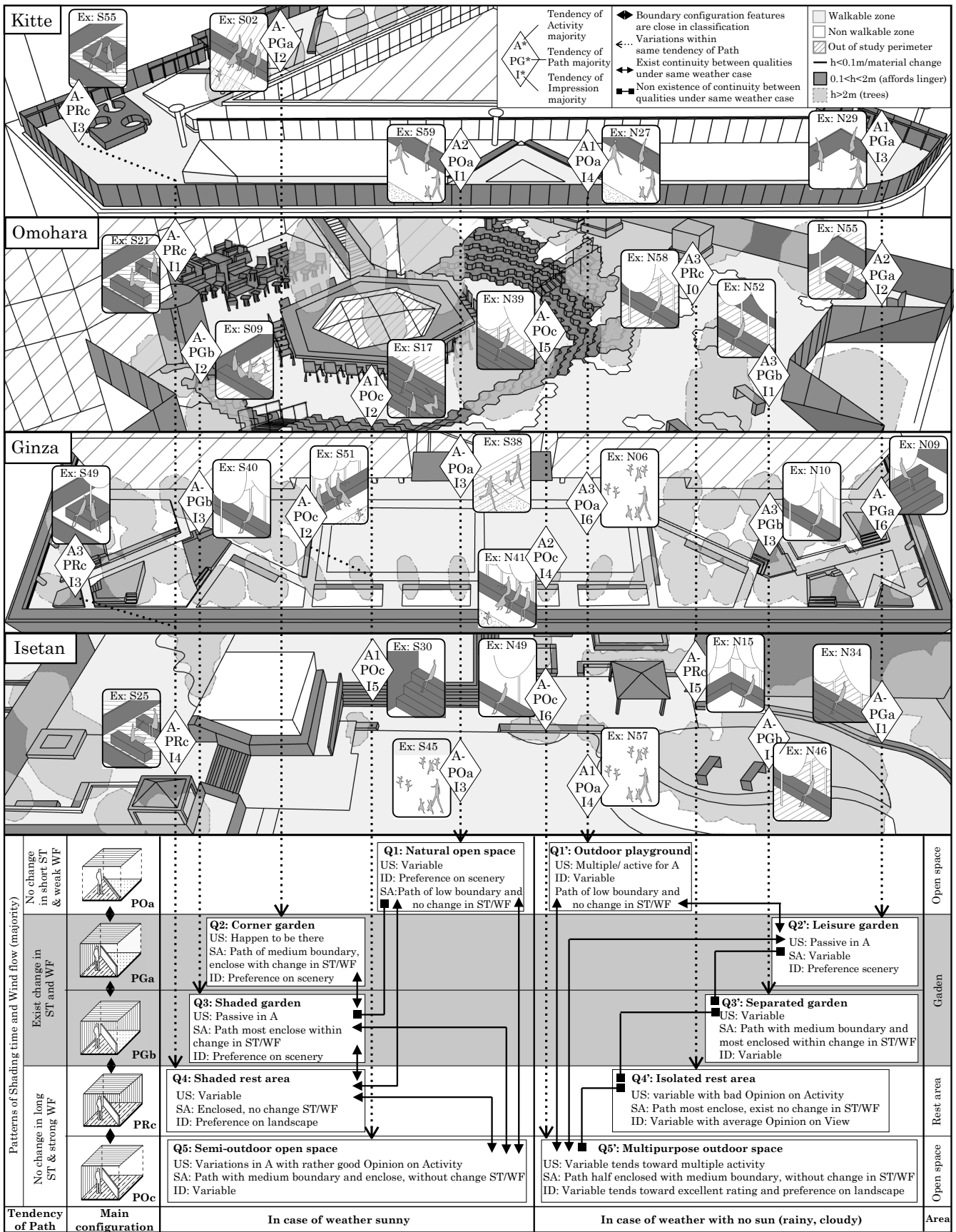
- The use of ●- - ● indicates it exists only in ST or WF.

- The bolder line shows that there exist large samples corresponds to the specific pattern.

represent the situation of four RG case studies in two conditions of sunny and no sun, it is relevant to compare between different weathers on the variations of Quality. As shown in Fig.4-9, the variations of Qualities are illustrated via three layers of relationship:

Firstly, it emerges by the organization of the area by function. As an overview, all case studies contain at least a main Path configuration belong to each of the areas of Open space (POa, POc), Garden (PGa, PGb) and Rest area (PRc). These Path configurations in different case studies are all related to each other since they all belong to the same Tendency of Path. This finding explains that despite the complexity, these case studies of URS tend to present a standard level of spatial qualities for the users.

Secondly, it emerges by associating the variants of Path in each case study with their relevant factors of Activity and Impression. The combination of US-SA-ID factors describes the variations of Quality ranging from Q1 to Q5 in the sunny case and Q1' to Q5' in no sun case. The tendency of Path appears as patterns of Spatial Affordance (SA). Within the same SA patterns, the variants in weather could indulge different US and ID. For instance, Q1 and Q1' differ each other by the preference for active Activity, making the open space of Q1' being more a playground. Parallely, the scenery in Opinion on View is influencing Q1 toward a natural space. Besides, the impact of weather could result in turning the qualities toward more positive or negative. For instance, a shaded rest area in Q4 could be considered as an isolated rest area in Q4' when the presence of many enclosures affecting on the Opinion of View and Opinion of Activity. Or, a semi-outdoor open space in Q5 could be qualified as a multipurpose outdoor space in Q5', with an excellent rating on Impression and more multiple activities.



* Majorities in the tendency of Activity is resulted from the analysis of Tab.4-8b, which focus on the three majorities of A1, A2, A3
 * Majorities in the tendency of Impression is resulted from the analysis of Tab.4-9b, which focus on the six majorities of I1, I2, I3, I4, I5, I6
 * Majorities in the tendency of Path is resulted from the analysis in Tab.4-10, which focus on the five majorities of POa, POc, PGa, PGb, PRc
 * Activity/Purpose-Opinion on Activity is interpreted as Usage (US), Path/Zone-Boundary/ Shading Time - Wind flow is interpreted as Space Affordance (SA).
 * Impression/ View-Opinion on View is interpreted as Image of Identity (ID).
 * Quality of RG (Q) is resulted by the combination of US-SA-ID.

Fig.4-9 Variations in Spatial Qualities of Rooftop Garden

Finally, the spatial qualities of Q1-Q5 and Q1'-Q5' are not isolated situations, but they all belong to the whole spatial organization of RG and relate to each other. Associated by the similarity in US-SA-ID, each variation of Qualities could have a connection to another, therefore preserve a homogeneity or interruption in sequence between Qualities. Fig.8 illustrates this potential continuity as belong to the same or different areas of open space, garden or rest-area. For instance, the "natural open space" of Q1 has possible to link to the "semi-outdoor open space" of Q5, which is the case that exists in Ginza. Or the isolated rest area of Q4' could not be connected to the multipurpose outdoor space of Q5' since these spatial qualities present more opposition than similarity. Therefore between these Qualities, it exists boundaries blocking vision and movement, as in the case of Isetan.

Furthermore, this relationship of continuity of Qualities could appear both in sunny and no sun case but also could be different in two weather cases. For instance, the set of Q1-Q5 and Q1'-Q5' are always near each other in all case studies. However, the continuity generated from Q2-Q3-Q4 and Q2'-Q3'-Q4' is different depends on weather and case study. This difference has resulted from the complexity of the configuration and the influence of the weather. This finding suggests the attention on the design of urban open space, which takes into consideration the spatial qualities as an evolutive and interactive situation in which variations have an impact on the user's experience.

4.6 Chapter conclusion

Attempting to apply the interdisciplinary framework for the study of Tokyo RG in Mix-Used Buildings, this chapter aimed to add another layer of understanding on Spatial Quality Experienced by examining the

its variations in the UPS with integrated green spaces. The findings are summarized as follows:

Section 4.2 describes the method of collecting data from each of the user's parameters using fieldwork and the range of simulation in each software. It also explains the process of selecting case studies.

Section 4.3 analyzes physical attributes contributing to the variation in Settings of RG. Despite the variations due to weather conditions and site location of samples, a similar pattern of Settings is found in each set of parameters such as Route - Boundary, Purpose - Opinion on Activity, View - Opinion on View.

Section 4.4 examines the tangible and intangible aspects of the Experience factors by interpreting the set of patterns of Settings. Despite the intangibility in Activity and Impression, the tangibility is found existing in Path. Path consists of main configurations, identified as POa, POc, PGa, PGb, PRc, correspond to each area of Open Space, Garden and Rest area, respectively.

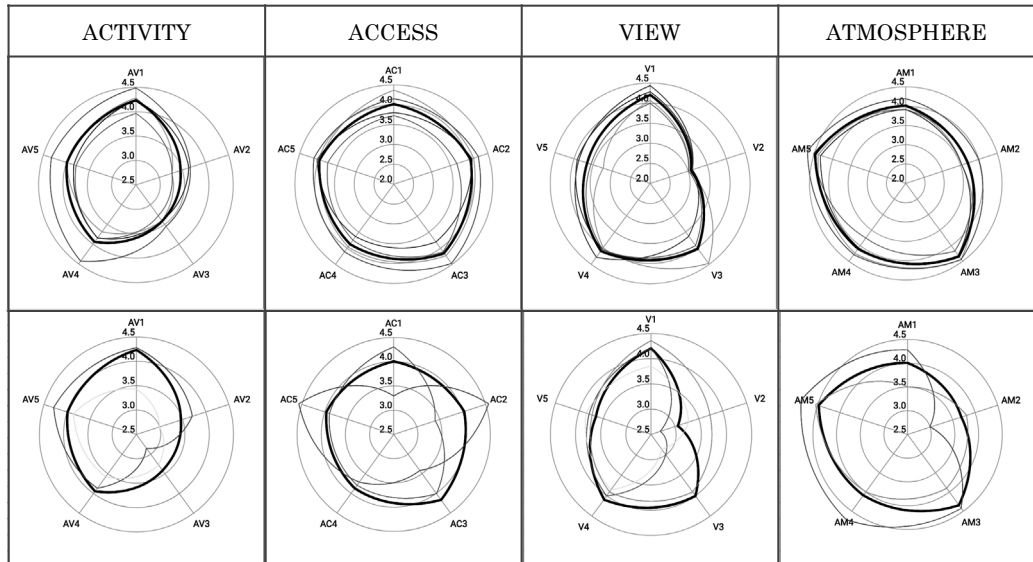
Section 4.5 bases on the tangibility of Path to illustrate the Sequences of Spatial Quality in different weather, identified as Sunny and No Sun. Through examining the combination of spatial quality as Usage - Spatial Affordance - Image of Identity, the results focus on explaining the interactive relationship between variations of Qualities existing in each case study. This evolutive and interactive system is structured around the variations of Spatial Affordance. These variations clearly distinguish between different weather conditions. By identify the sequences of

Qualities in each weather and its transformation, the result confirms the flexibility of UPS with integrated green space in the role of promoting users to engage with the green environment and enhance the social aspect of the city lifestyle.

Chapter 4 Notes

- i) General attributes of each sample consist of sex (male, female), age range (under 35, 35-60, over 60), distance from staying/working place to the RG (less than 15', around 30', over 1h). The questionnaire tried to cover an equal quantity of sex and age. However, most of the samples collected have a longer distance to RG due to their location in city center.
- ii) In reference 4), Bourke explained there are enough approximations between this method and the equiangular fisheye projection generated by the software. Hence, this method is suitable for this study.
- iii) In reference 5), Ashihara explains that for open space, the design focuses on the exterior architecture, then the part of the sky in rendering is cut off. Additionally, in reference 4), Thiel explains how to capture the view and the pixel calculation in the fisheye method.
- iv) This simulation uses Google Sketchup Shadow Analysis plugins to generate shadow every 15 minutes during the defined period. The environment considers only the direct sunlight and clear sky. Models were built considering elements provided shade as higher than 2m (tree, wall, eave) with material allows no transmission and no porosity. In reference 1), Gherri compare this tool with others in the same field and prove that the results are viable for the level required for this study.
- v) This simulation uses Autodesk Flow Design plugins to generate air movement, speed and pressure constant on the sites. This software utilizes the CFD techniques consists of the LES turbulence model and the Navier-Stokes equations to simulate airflow. The models were built within its urban settlement, considering windbreak on-site as elements higher than 2m (tree, wall, eave). Following the set up of wind tunnel in the reference 2), all models were made at full scale in the computation domain on a ratio of 4L-3W-3H (length-width-height) and a mesh size resolution of 150%. Wind flow is analyzed in full 3D at transient mode until it reaches the stabilized state to export results. This method provided the general data and not considering the material, porosity and surface of the ground and windbreaker. However, reference 3) compared this software with other tools for CFD simulation and prove that these results are viable for the level of analysis in this study.
- vi) WEADAC is a climate system that creates data for 3762 cities worldwide using the data from Meteorological Data System TOP.
- vii) In 2014, a report on the proportion of green roof by size and type of building in Japan from 2000-2014 shows that the proportion of green roof by all private facilities represents more than 50% and the proportion of green roofs in Tokyo 23 ward cover around 40% national wide. (平成 26 年全国屋上・壁面緑化施工実績調査の結果報告, 国土交通省).
- viii) SEGES Urban Oasis selection established in 2013 by the Organization for Landscape and Urban Green Infrastructure to promote sustainable development in cities via promotion of social value through quality green space. This organization is supported by the Ministry of Land, Infrastructure, Transport and Tourism. (『SEGES(シージェス): 都市のオアシス』, 公益財団法人都市緑化機構, 国土交通省)

- ix) Below the results of the preliminary survey on the eight cases of RG in central Tokyo, the four above graphs show the result of four selected cases study and four below graphs shows the others four cases studies which were not selected (Coppice Kichijoji, Tamagawa Takashimaya, Ginza Mitsukoshi, Shinjuku Marui Honkan). The preliminary survey consisted of visiting the site and asking 10-15 users on each site to rate on the level of activity, accessibility, visibility and atmosphere. This preliminary survey was done during June-July 2018.



*Data was collected during the preliminary survey, responder rate the following information based on a Likert scale:

AV1~AV5 : Activity: spaciousness, learning about nature, meet others, multifunction, freedom

AC1~AC5: Accessibility: accessible by transport, sign, entrance, crowdedness, welcomeness

V1~V5: View: green, biodiversity, panorama, people, season change

AM1~AM5: Atmosphere: comfortable, shade, natural wind flow, safe, clean

- x) See reference 5) for the framework related to the user's experience.

Chapter 4 References

- 1) Gherri, B.: Early-stage Environmental Modeling: Tools and Strategies for Climate Based Design, Wilen: Advanced Building Skins GmbH, The 12th International Conference on Advanced Building Skins, Bern, Switzerland, pp.176-185, 2017.10
- 2) Li, Jing et al: Validation and Comparison of Different CFD Simulation Software Predictions of Urban Wind Environment Based on AIJ Wind Tunnel Benchmarks, Proceedings of the Symposium on Simulation for Architecture and Urban Design (SimAUD), Delft, the Netherlands, Article No.27, 2018.6
- 3) Sousa, J-PM et al: Empirical Analysis of Three Wind Simulation Tools to Support Urban Planning in Early Stages of Design, Blucher Design Proceedings: XIX Congresso da Sociedade Ibero-americana de Gráfica Digital (SIGRADI), Florianópolis, Brasil, Vol.2, No.3, pp.363-370, 2015.11
- 4) Bourke, P.: Computer Generated Angular Fisheye Projections, written on May 2001. Available at www.paulbourke.net/dome/fisheye (accessed 2016.11.20)
- 5) Ashihara, Y.: Exterior Design in Architecture, Van Nostrand Reinhold, pp.10-11, 1970
- 6) Thiel, P.: People, Path, Purposes: Notations for a Participatory Envirotecture, University of Washington Press, 1997

Chapter 5 Factor for the facilitation of the investigation on spatial quality experienced by user in Urban Public Space

Section 5.1 Chapter outline and purpose

Section 5.2 Spatial Affordances as the core of interdisciplinary framework

Section 5.3 Adapting Scenarios based on Spatial Affordances arrangement

Section 5.4 Sequencing Qualities based on Spatial Affordances variation

Section 5.5 Chapter conclusion: Towards a user-centered approach for
Urban Public Space in Tokyo

Chapter 5 References

5.1 Chapter outline and purpose

This thesis proposes an analytical framework focusing on the users to understand contemporary urban public space (UPS) through the investigation of spatial quality. The framework can be used to facilitate the conversation between multidisciplinary professionals and the decision-maker in today's situation. Sustainable development for compact cities is making the design scope of the new UPS more complex. A user-centered approach does not add another layer of consideration to the design and planning practice but providing a core structure to guaranty that new projects on UPS will have enough flexibility and provides enough possibilities to adapt to the user in this situation of uncertainty.

Until now, research focusing on the user in the design of UPS has found new understandings related to user behaviors. However, past research belonged either to the disciplines of environment behavior or urban design. Therefore, the thesis firstly proposes an interdisciplinary framework connecting theories on UPS and combines ideas from two directions of research, relating to user in a Setting and user's Experience to define Spatial Quality Experienced, shown in section 5.2. By apply the framework on different typologies of UPS in Tokyo, Spatial Affordances (SA) appears to be the essential element for the understanding of UPS. Then, the next two sections 5.3 and 5.4 will focus on examining the factors composing Spatial Quality in each case study of UPS, defined as Open Space with Urban Gardening (OSUG) and Rooftop Garden (RG) in the mix-used building. The results have found how SA is influencing the adaptation between the existing Scenarios of OSUG and the sequences between different Qualities of RG. These characteristics are discussed below, identified as SA arrangement and SA variation, respectively.

5.2 Spatial Affordances as the core of interdisciplinary framework

Chapter 2 focused on the interpretation Space-User-Environment relationship. Instead of listing general elements to be considered in the framework, it illustrates the Spatial Quality Experienced, which is composed of three main factors as Usage (US) - Spatial Affordance (SA) - Image of Identity (ID). Through the application of the framework on case studies, SA has shown a close connection with the user's Path, which is central in the relationship resulted from the combination of Measurable SETTING and Tangible EXPERIENCE. This combination illustrates the essential structure that needs to be given attention in the process of design. Besides, as an interdisciplinary framework, the elements related to Space-User-Environment can be differed depending on the typology of UPS. This aspect shows the characteristics of an open framework, which will not be limited to a particular field but could expand to other disciplines belong to the user-centered approach.

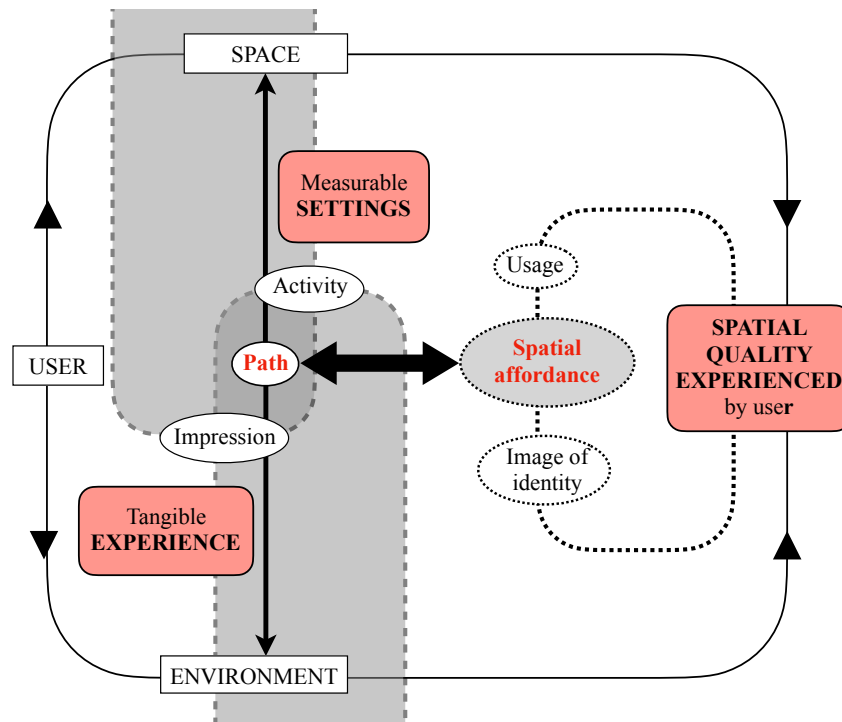


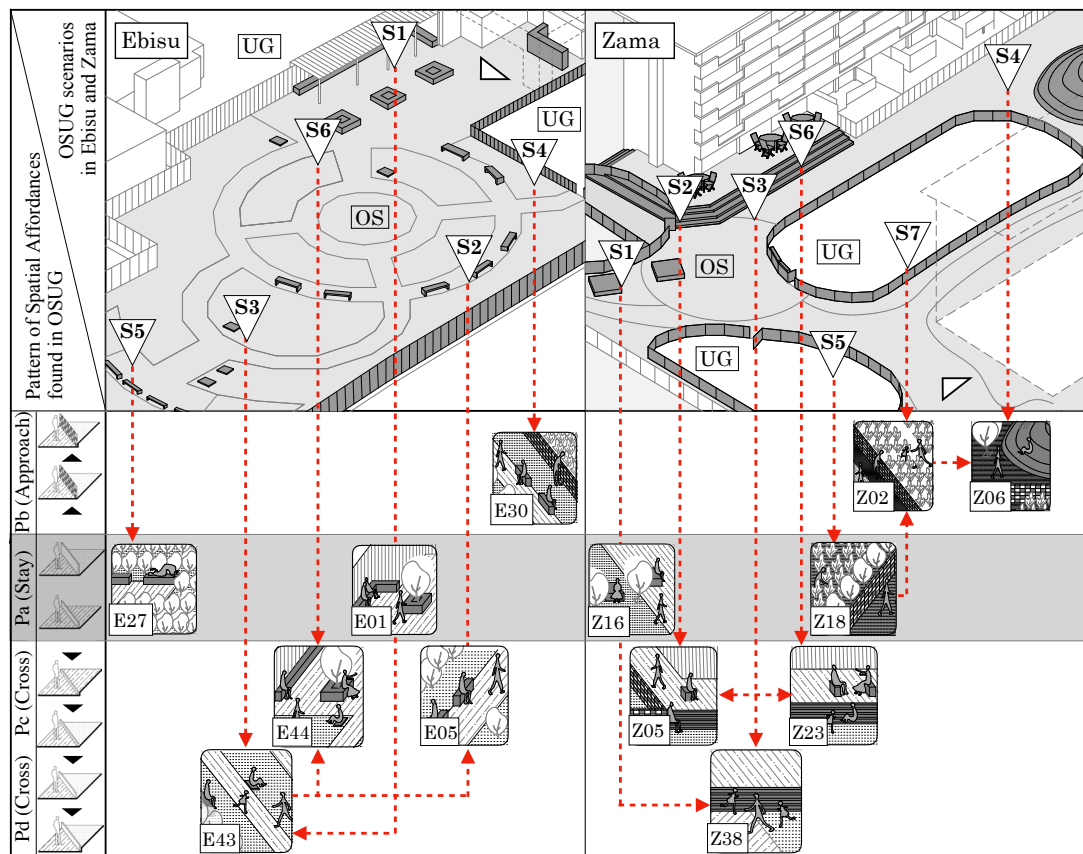
Fig.5-1 Interdisciplinary framework focus on spatial affordance

5.3 Adapting Scenarios based on Spatial Affordances arrangement

Chapter 3 applied the interdisciplinary framework to study the Spatial Quality experienced by users in selected case studies of UPS with community resilience, identified as Open Space with Urban Gardening settings. From the combination of Settings and Experience, Spatial Quality is concluded based on seven Scenarios, as in following: open space for short rest S1, area for pastime S2, natural playground S3, compact urban park S4, privacy in public space S5, mix-used building exterior S6 and gardening foster community S7.

As shown in Fig.5.2, it is clear that SA is influencing the change between scenarios. Also, it is following a specific arrangement related to the design concept and initial planning, distinguished between the two sites. Firstly, the relationship between S1-S2-S3-S6 manifested differently, even though it's apparent as connected. In Zama, these scenarios happen around the installed built elements such as stairs, bench and fences. The change between these scenarios follows the order of the SA arrangement. S2 can change to S6 within the same continuity of stairs, or S1 can become S3 when passing through different floor material. While in Ebisu, these scenarios are continuously related and gradually evolve following the change in Patterns of SA from Stay to Approach and Cross (Pa to Pb, Pc and Pd). Secondly, it can conclude that the effort of creating a new scenario resulted in the rearrangement of SA. For instance, in Zama, where the focus of the renovation concept is on urban gardening, which connects S7 to S4 and S5. While in Ebisu, where the concept is a public garden, S7 is non-existence despite the integration of UG, while S4 and S5 appear as different scenarios. These findings solidify the idea that renovated OSUG could adapt scenarios based on the SA arrangement.

Regarding UPS with community resilience, these findings contribute to the understanding of existing UPS and facilitate the conversation between designer and decision-maker in the project of restructuration and revitalization. By focusing on the SA arrangement within the scope of the interdisciplinary framework, projects of renovation could avoid disrupting the existing context while guaranty to add a new urban dimension to the existing context while guaranty to add a new urban dimension to the community. Also, it contributes to preserving the identity of existing urban structure and inhabitant's lifestyle while emphasizing the essence of community resilience in the making of UPS for metropolitan area.



*This figure reinterprets the relationship between Scenarios (S) and Spatial Affordance (SA) resulted from Fig.3-10:

1. Patterns of Spatial Affordance is the interpretation of the tendency of Path from Tab.3-8b (Pa, Pb, Pc, Pd).
2. Scenarios ranging from S1 to S7 represent the situation of users found in Zama and Ebisu following the combination of Usage-Spatial Affordance-Image of Identity.
3. E* an Z* represent the users found in Ebisu and Zama.

*The → represents the possibility for a scenario to become another scenario by changing SA.

*Pa was emphasized as it represent the composition with features to accommodate Stay patterns, which have the possibility to transform to other patterns of Approach (Pb) and Cross (Pc, Pd).

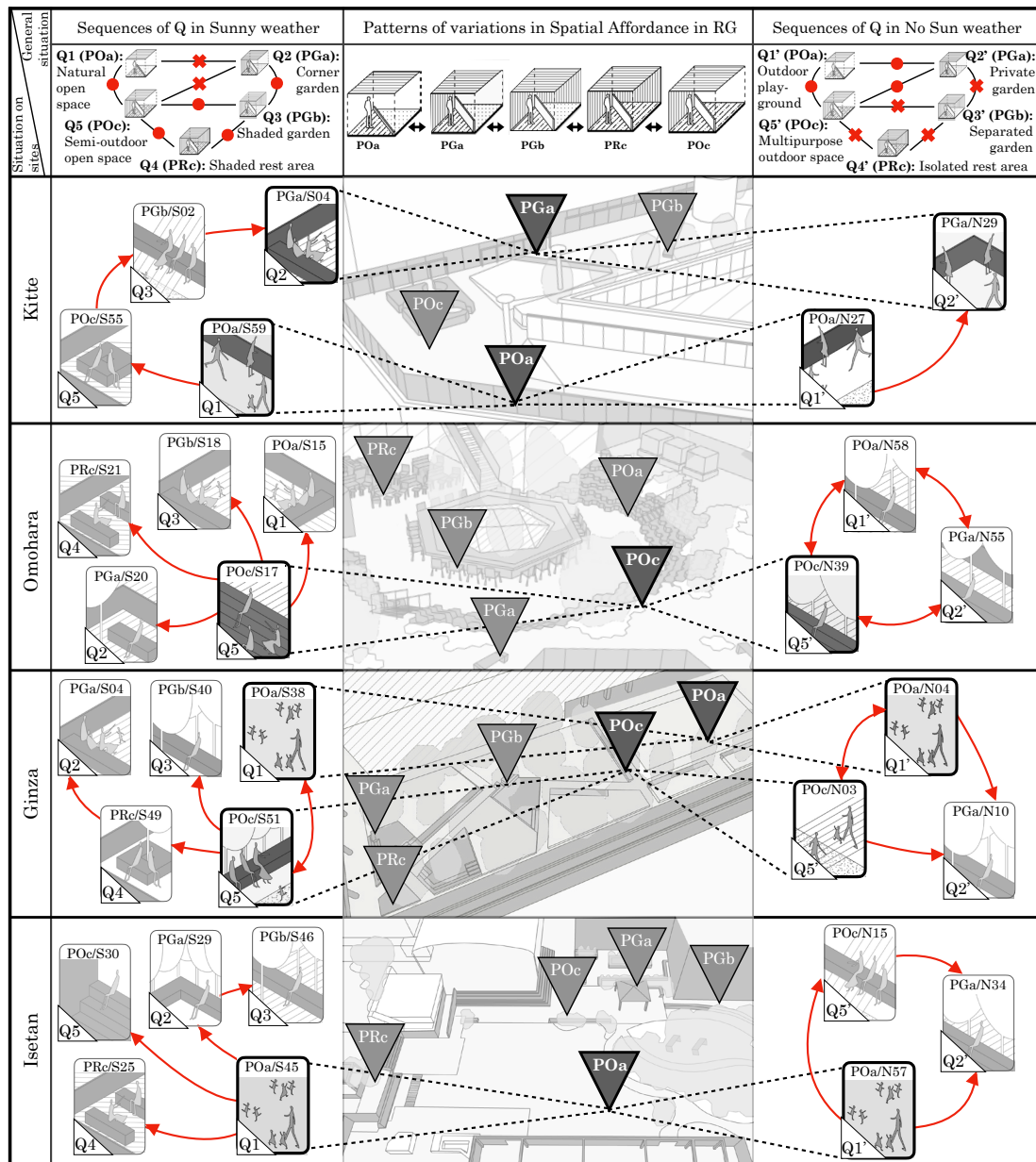
Fig.5-2 Adapting scenarios through the arrangement of spatial affordances in OSUG

5.4 Sequencing Qualities based on Spatial Affordances variation

Chapter 4 applied the interdisciplinary framework to study the Spatial Qualities in selected case studies of UPS with integrated green space, identified as Rooftop Garden in mix-used building settings. Through the investigation of different physical Settings together with the tangibility in Experience, Qualities defined by the US-SA-ID combination appears as subjective to change. The variations in configurations of SA (POa, POc, PGa, PGb, PRc) under different weather conditions affect to illustrate spatial qualities as Q1, Q2, Q3, Q4, Q5 in Sunny weather and Q1', Q2', Q3', Q4', Q5' in No Sun weather.

As shown in Fig.5.3, in a general situation, the relationship between SA patterns and sequences of quality is affected by the weather, which in No Sun weather appears with less connection compare to the ones in Sunny weather, while maintaining the sequences between POa and POc. Also, this relationship is manifested differently between each of the RG, as discussed in the following. In Kitte, the continuity from POa to PGa lost its in-between sequences from Sunny to No Sun weather. It is explained by the least of elements with eaves on the site, and the most unchangeable SA happens at around the glass handrail providing spatial quality for the user. In Omohara, Q5 stays as the center of the distribution while Q5' is found on the same level as other qualities. This finding has resulted from the design of the auditorium as centrality with most of SA provides eaves. Due to the proximity between each quality, variations of SA in the case of No Sun weather seem to be overlapping, providing fewer sequences of quality for the user. For Ginza and Isetan, at first glance, two sites appear to propose the same flow of sequences, which accentuate the POa as the central position and provide diversity sequences to users. However, the variations of POc locates at the edge

of open space express the distinguished intention in design between two sites. Ginza gives attention to the configuration of SA to keeps the variations within control, also preserves the sequences between qualities in both kinds of weather. In Isetan, by another approach, the focus is on the seasoning garden and emphasizes the change in season.



* This figure reinterprets the relationship between sequences of Qualities (Q) and variations of Spatial Affordance (SA) resulted from Fig.4-9, details as follows:

1. Patterns of variations of Spatial Affordance is the interpretation of the main configuration of Path (POa, PGa, PGb, PRc, POc).
2. Sequences of Qualities (Q) is the relationship between Spatial Qualities in Sunny weather (Q1,Q2,Q3,Q4,Q5) and no sun weather (Q1',Q2',Q3',Q4',Q5').
3. S* an N* represent the users observed during either Sunny or No sun weather.

* The → represents the possibility direction of movement in the Path of user.
 * ○ and × represent if the users movement was going or not between these spatial Qualities.

Fig.5-3 Sequencing qualities through the variations of spatial affordances in RG

The configuration of POC with fewer eaves also blurs the limit between space. These findings solidify the idea that the design of new UPS with integrated green spaces need to give attention to the variations of SA to be able to predict the changes and sequencing the Qualities.

Regarding UPS with integrated green space, these findings contribute to the planning of new UPS in urban planning projects and facilitate the conversation between different professionals during the discussion on sustainable development. By focusing on the variations of SA within the scope of the interdisciplinary framework, future projects of public space in compact cities could guaranty the flexibility of UPS while offering a diversity of sequences for all users in different kinds of weather. Also, it contributes to enhancing user's relationship to the natural environment in compact urban structure while caring about inhabitants' well-being, which is emphasized by the importance of green space in the making of UPS for compact cities.

5.5 Towards a user-centered approach for UPS in Tokyo

This chapter attempts to discuss the interdisciplinary framework application by examining the Spatial Affordance and its characteristics related to spatial quality experienced by the user. The findings are summarized as follows. Section 5.2 explains SA as the core of the interdisciplinary framework, which allows the design to predict the effect of UPS design on the user and facilitate the conversation with other professionals. Section 5.3 discusses the relationship between SA arrangement and the way of adapting scenarios existing in UPS with community resilience. The findings confirm the influence of these SA characteristics on the change between scenarios of spatial quality, which will be essential in the concept of renovation to add a new quality to UPS

of existing mix-used buildings. Section 5.4 discusses the relationship between SA variations and the way of sequencing qualities under different weather in UPS with integrated green space. The findings confirm the influence of these SA characteristics on the sequences of spatial quality under the weather influence, which will be essential in the strategy of integrating green space as UPS in new mix-used buildings.

As summarized in Fig.5-4, this thesis reaches the aims to provide an interdisciplinary framework to facilitate the investigation of the Quality of contemporary UPS through the demonstration of two case studies. Within the background of UPS in Tokyo, this study shows an alternative method of investigation through the viewpoint of the user's experience. And differ from the common practice of interdisciplinary framework, which works on an empirical collection of criteria like in Project for Public Spaces¹⁾, this framework turns the focus to Spatial Affordances, which its design is considered to be the trigger of user's experience

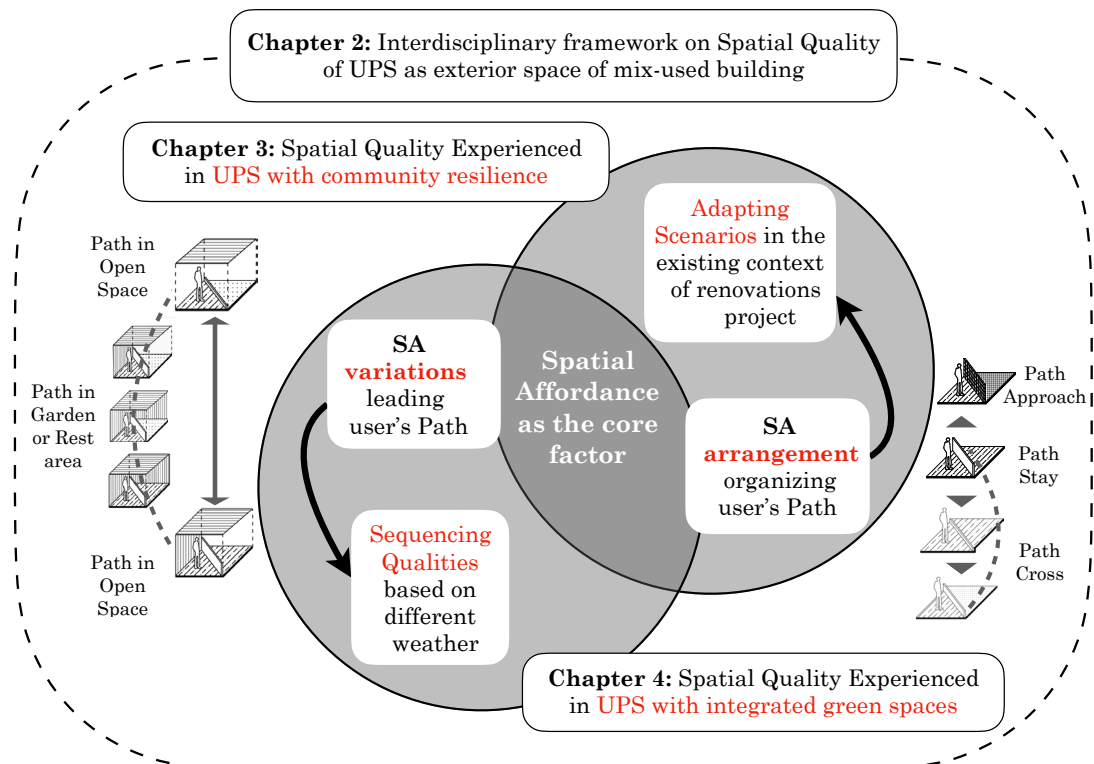


Fig.5-4 Spatial Quality of UPS as investigated from the interdisciplinary framework

within UPS settings. The more SA is flexible within the settings, the more it gives users opportunities to experience and to engage into social practices which will further enhance the quality of UPS. SA is the core factor in the mechanism of exterior space of MUB, which shows two spatial characteristics related to Spatial Quality, identified as SA arrangement and SA variations. Within each chapter of 5.3 and 5.4, these characteristics influence the experience of users of UPS with community resilience and UPS with integrated green spaces. These findings are referencing to the design scope proposed by the theory of Ashihara²⁾, where order and hierarchization of space are among essential elements to pay attention to in the design of exterior space in architecture. As said, contemporary UPS in Japan, which are adopting the globalized standard design should pay attention to the user's experience to avoid losing the essence and identity within its Spatial Quality.

Furthermore, understand that the influence on the community and green space could be the suitable solution to maintain the sustainability of the production of MUB when the Quality of UPS is given opportunities to the user to comprehend, evaluate and appropriate UPS. As the two typologies of UPS chosen for this thesis are among various UPS that compact cities are producing to reach the SDGs, this interdisciplinary framework still has opportunities for evolution and adapting to other cases of UPS. Lastly, despite the limitations of this scope concerned the case studies of Tokyo, the open framework of this interdisciplinary method shows the possibility to be beneficial to other regions or countries with same interest in enhancing the quality of UPS for their urban dweller's well-being.

Chapter 5 References

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- 2) Ashihara, Y.: Exterior Design in Architecture, Van Nostrand Reinhold, 1970

Chapter 6 Conclusion

Related published papers

Next are the summaries of the findings in each chapter and conclusion.

In chapter 1, "Introduction", the background of quality of UPS in Japan was first described as a necessity to improve the user's well-being in this era of compact cities turning sustainable. Then the evolution of UPS in Japan showed that there is not enough attention given to the user, which the thesis sought to focus on several theories on investigating the quality of UPS through a user-centered approach. This approach followed a combination of two directions, defined as Settings and Experience. By assuming that the Spatial Quality could result from the combination of these directions, targeting the UPS with community resilience and UPS with integrated green spaces, the thesis discussed the hypothesis of an interdisciplinary framework to facilitate the investigation of the quality of contemporary UPS. Besides, the methodology, the definition of terms, as well as the research relevancy, and the thesis structure were explained to show the study's uniqueness and significance.

Chapter 2, on " Interdisciplinary Framework for research on Urban Public Space", explained the theoretical process of setting up the framework, which differed between worldwide and Japan, while explaining the fundamental reason lie in the Japanese experience with spatial deepness comprehended by the user. By considering this dynamic and subjective spatial dimension, the thesis followed the interpretation of the relationship between Settings and Experience to investigate this dimension. Therefore, the proposed conceptual framework followed two directions, which are Settings provide Experience and Experience indulged by Settings, to finally combine to defined the factors composing Spatial Quality for UPS. Also, parameters, methods of collecting data of each direction are defined, based on relevant studies on the user in

exterior space. And the potential case studies for the application of the framework were introduced as Renovated Open Space with Urban Gardening and Rooftop Garden in Mix-used Buildings. Their situation in Tokyo, as well as the case studies selection, were described.

Chapter 3, on "Spatial Quality Experienced in Urban Public Space with Community Resilience: The case of Open Space with Urban Gardening", applied the framework and method of study on the renovated case of OSUG as privately used public space (POPS). The purpose of this chapter was to investigate the composition of Spatial Quality through Settings and Experience through combined fieldwork in the selected example of OSUG of Zama and Ebisu. Firstly, raw data was collected by using three methods: purpose, time, opinion via questionnaire; route, boundary via observation; and view via rendering. The analysis of each pattern revealed the Settings of OSUG. Secondly, these patterns were interpreted from the viewpoint of the Experience, as mentioned the activity, path and impression. Lastly, by overlapping Setting and Experience, the results revealed three qualities of renovated OSUG: usage, space affordance and image of identity. These three qualities were considered as the main factors composed scenarios of the user's profile. The results are stated as follows:

- 1) From the analysis of the patterns purpose-time, opinion-view, route-boundary, the Settings emerged as support for a multipurpose and a long time spent, which offered a potential exploring route, a nature-oriented evaluation, and a variety of view frame. This Setting proved a tendency of transforming neglect open space into flexible and potential urban public space accomodating city lifestyle.

- 2) From the interpretation of Experience, the results showed the major

hybrid activities, a tendency to cross paths influenced by a diversity of boundary configuration, and a good impression. This finding clarified the positive effect of OSUG on the Experience.

3) From the scenarios combined with three spatial qualities, the outcome gave positive results of renovated OSUG. These results showed a variety of usage adapted to local urban lifestyle, a flexible design of affordance to guarantee the function-esthetic-comfort within the controlled environment of POPS, and a good image of identity relate to leisure experience. However, among seven scenarios, two of them were lacking the quality of identity. It resulted in a spontaneous situation presenting a conflict of usage and spatial confusion.

Chapter 4, on "Spatial Quality Experienced in Urban Public Space with integrated green spaces: the variations in Rooftop Garden of Mix-used Buildings", applied the framework and method of study on the Rooftop Garden to clarify the variations of Spatial Quality in Experience. The framework in chapter 3 was revised, and the relevant parameters to the variations in physical attributes were selected. This chapter's purposed to reveal the effect of the variation in Settings-Experience-Quality by using a combined method of fieldwork on 118 samples of users. These samples belong to selected four case studies of the RG in two different weather conditions of fieldwork. Firstly, by using multiple tools for collecting data (observation, questionnaire, rendering, simulation), the analysis combined four sets of parameters related to setting Zone-Boundary, Purpose-Opinion on Activity, View-Opinion on View, Shading-Windflow. By finding the patterns of each combination, the variations of Settings were illustrated. Secondly, the variations in patterns of Setting were interpreted with parameters of Experience

defined as Activity, Path and Impression. The tendency resulted from this analysis show the tendency of Experience as distinguished between intangible and tangible aspects. Lastly, by combining Setting and Experience, the findings showed the system of variations of qualities in RG on their layers of information: based on area, based on weather case, based on the tendency of the path. The results are stated as follows:

1) From the analysis of variations in Settings, the results showed that it exist variations between all combined set of parameters, varied on a different level of change.

2) From the interpretation of Experience, it was resulted in the intangible aspect of Activity and Impression and the tangible aspect of Path.

3) From the combination between Setting and Experience, the variations of qualities showed a common similarity in the Qualities related to area organization, a connection between variants of boundary configuration and quality experienced, and the existence of continuity in Qualities between various areas and paths under different weather condition. This chapter demonstrated the importance of research on the quality of space based on the user's Experience and variations of environmental conditions to adapt to the current change.

Chapter 5, on "Factor for the facilitation of the investigation of spatial quality experienced by the user in Urban Public Space", discussed the findings from chapter 2,3,4 to define Spatial Quality (SA) as the core factor within the interdisciplinary framework. This factor was concluded to be the trigger of a user's Experience within a mechanism of contemporary UPS in Tokyo, as exterior space of mix-used building. The findings are stated as follows.

1) From the application of an interdisciplinary framework on the cases studied, the findings showed that SA is connected to the user's path, which belongs to the relationship between measurable Settings and a tangible Experience. Further, as this conceptual framework could be adapted to other typologies of UPS, this factor was considered as the core of this open framework, which will facilitate the investigation of UPS and communication between designer and user.

2) From the study on Open Space with Urban Gardening, SA arrangement was observed to be responsible for adapting one scenario to another, which offered user to experience other scenarios of OSUG. The SA arrangement clarified the intention toward urban gardening added to UPS, as being part of a community or a separated activity.

3) From the study on Rooftop Garden in Mix-used Buildings, SA variations were observed to be responsible for the change in sequences of qualities within UPS, which offered users to experience a different sequence of spatial quality. The variation of SA clarified the transformation of space under different weather, due to the effect of green space elements.

From the above findings, the thesis clarifies the necessity of an interdisciplinary framework focus on users for a complementary investigation of contemporary UPS in Tokyo during this transition period toward a sustainable city. The results show the importance of Spatial Affordances as the core factor within the framework of Spatial Quality combined with Settings and Experiences of users. Therefore, on a broader scale, the thesis want to offer visions regarding future research direction related to the investigation of contemporary UPS, such as follows.

Firstly, on a general approach, the factor of Spatial Affordance could be

consider as a core framework to facilitate the communication between the designer and user, which its design and planning require a vision of flexibility and adaptivity toward the user's spatial dimensions and perceptual behaviors. The SA with limited possibilities for appropriation will result in a misconception of design planning, missing space identity, spatial conflicts, or restraints of usage due to weather, which will directly affect the success of UPS.

Secondly, regarding the case of UPS in Tokyo, the research shows that despite the vision of producing UPS by largely adopting a global standard and rely on transport network development, SA still represents the user's attachment to the urban commonness of community identity and ordinary practices. Despite the homogenous production of public space with more and more mobility, connectivity, giant green space and interactive usage, the social practice of common users still results in their way of apprehending spatial deepness and envision opportunities for appropriation given by the spatial affordances. As our lifestyles and life in the cities are changing at a quick pace, and urban regeneration is asked to be more flexible, mobile and sustainable, the design of SA in contemporary UPS in Tokyo needs new attention toward the user to give opportunities engaging to social practice as preserving the identity of the Japanese experience while adopting the global vision on sustainability.

Finally, this thesis is conceived as a first necessary step toward the production of alternative place-making of UPS, to find a new way of understanding users contributing to a sustainable future of public space for the city dweller's well-being. As the scope of this research is restraints to certain case studies among the vast potentials of UPS in Tokyo, during a specific period chosen according to characteristics of each case studies and the numbers of the sample are limited due to variety

of fieldwork parameters. This thesis hopes to generate a new way of apprehending interdisciplinary research of user-centered approach in the built environment while making use of new perspective and technology of collection data to enrich the knowledge and attention given to the quality of urban public space and urban living.

Related published papers

Yen-Khang NGUYEN-TRAN, Ryo MURATA: Spatial Quality of Renovated Open Space In Tokyo via the Experiences of Users with Urban Gardening, IOP Conference Series Earth and Environmental Science, Vol 294, August 2019, doi: :10.1088/1755-1315/294/1/012022 (correspond to sub-chapter 5.3)

Yen-Khang NGUYEN-TRAN, Ryo MURATA: Variation of Spatial Qualities Experienced in Rooftop Garden of Mix-Used Building in Tokyo, Journal of Architecture and Planning (Transactions of AIJ), Vol 85, N771, May 2020, doi: 10.3130/aija.85.1045 (corresponded to chapter 4)

Yen-Khang NGUYEN-TRAN, Ryo MURATA: Qualities of Urban Space Experienced in Tokyo Open Space with Gardening, Journal of Architecture and Planning (Transactions of AIJ), Vol 83, N754, December 2018, doi: 10.3130/aija.83.2325 (corresponded to chapter 3)

Yen-Khang NGUYEN-TRAN, Ryo MURATA: Interdisciplinary research on urban public space in Tokyo: A framework with user-centered approach, Under review for Journal of Asian Architecture and Building Engineering (submitted on December 2020) (corresponded to chapter 2)

Oral presentation related to this thesis

Yen-Khang NGUYEN-TRAN, Ryo MURATA: Spatial Quality of Renovated Open Space In Tokyo via the Experiences of Users with Urban Gardening, Sustainable Built Environment Conference 2019 Tokyo (SBE19Tokyo) Built Environment in an era of climate change: how can cities and buildings adapt?, 6-7 August 2019, The University of Tokyo

Other review papers

Yui HASEGAWA, Ryo MURATA, Yen-Khang NGUYEN-TRAN: Wind and Light Environment of In-space of Living Space in Contemporary Houses in Ho Chi Minh city *Journal of Architecture and Planning (Transactions of AIJ)*, Vol 85, N772, June 2020, doi: doi.org/10.3130/aija.85.1173

Appendix

Chapter 3 Questionnaire and survey map Datasheet of users in Ebisu and Zama

INTERVIEW SHEET (completed online)

ID: _____ Location: _____ Date: _____ Time: _____

A. 回答者様ご自身について

01. 性別: 男性 女性
02. 年齢: 20歳以下 20~35歳 36~50歳 51歳以上
03. 普段はここに誰と訪れますか?
 一人で 家族と 友人・同僚と
04. ここに来る頻度:
 毎日 それ以下
 一週間に数回 初めての訪問
 週末のみ
05. ここからお勤め先、あるいはご自宅への距離:
 駅のすぐ近く 30分~1時間の距離
 15分~30分の距離 1時間以上かかる距離
06. ここについて知った理由:
 この領域に住んでいるから ここでのイベントに参加したから
 この地域を通りかかったから 広告などから
 友人や知人から インスタグラム、フェイスブック、ツイッターなど
07. この広場を訪れた目的:
 昼食 友人と会うため
 休憩（運動、ショッピングの後） 家族とのお出かけ
 菜園で作物を育てるため 自然を楽しむため
08. この場所にどんな印象を持っていますか?
 とてもよい どちらでもない 悪い

B. 過ごした時間：広場へ来る前に過ごした時間を選んでください。

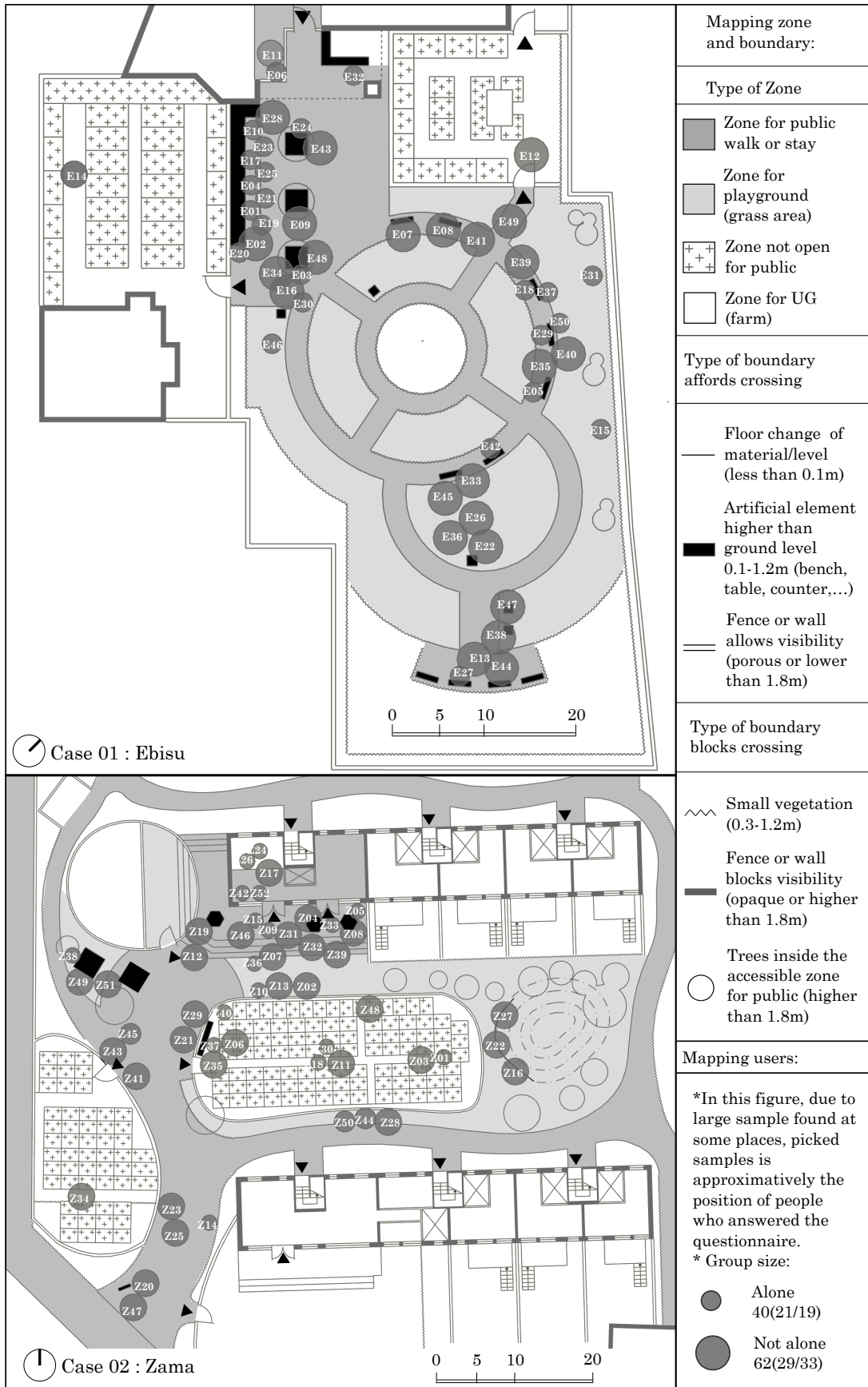
- | ~5' | ~30' | ~60' | >90' | >120' | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 以前いた場所(自宅や勤務先など)からこの町への移動時間 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | この広場へ来る前の町での活動時間 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | この休息エリア・菜園に来る前の、この広場での活動時間 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | この休息エリア・菜園での活動時間 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 休息エリア・菜園を出た後の、この広場での活動時間 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | この町から出る前の、町での活動時間 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | この町から次の目的地までの移動時間 |


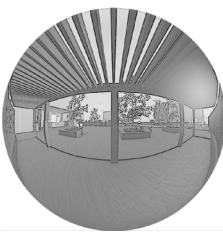

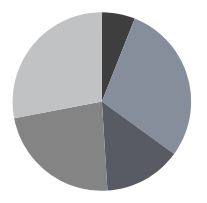
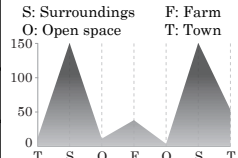
C. 広場の評価：以下の項目を5段階で評価してください（良いものから悪いものまで）。




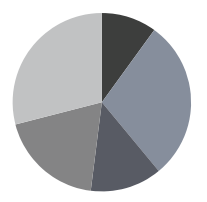
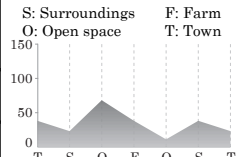
- | | |
|--|--|
| <input type="checkbox"/> 空が見えること | <input type="checkbox"/> 目立つランドマーク |
| <input type="checkbox"/> 多くの木々 | <input type="checkbox"/> わかりやすい入り口とサイン |
| <input type="checkbox"/> 緑の風景（草花、菜園、菜園、美しい庭） | <input type="checkbox"/> 菜園や植物が育つところが見えること |
| <input type="checkbox"/> 快適な家具 | <input type="checkbox"/> 美しい建物 |
| <input type="checkbox"/> 美しい通路（ウッドデッキ、舗装、芝） | <input type="checkbox"/> 木陰 |



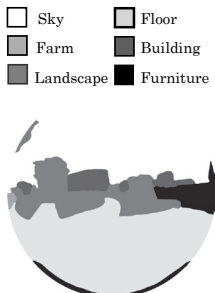
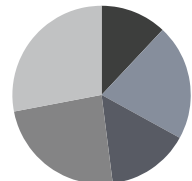
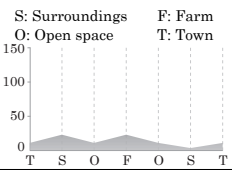
D. 提案：この場所をより良くするために何か提案があれば、教えてください。




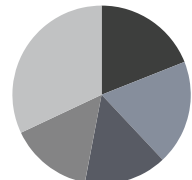
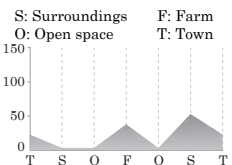
SURVEY MAP



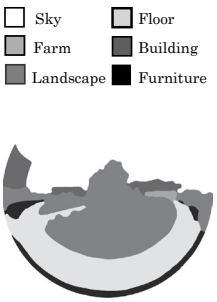
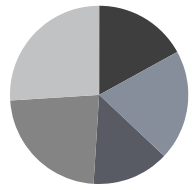
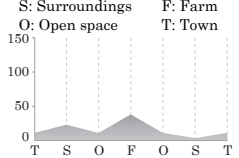





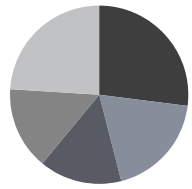
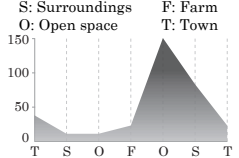
E01	Observation		Tendency of Zone/Boundary												
	Situation		Zone			Boundary									
			Stay	Approach	Cross	Height	Texture	Floor							
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change			
2017/08/07 12:33 PM															
Gender															
女性															
Age															
20 ~ 35 歳															
External motivation		View analysis and rating													
Company	一人で	Fisheye projection			Components			Preferences							
Frequency	一週間に数回														
Distance	駅のすぐ近く														
Know this place from	この地域を通りかかったから														
Activity	Time spent (min)														
昼食	<p>S: Surroundings F: Farm</p> <p>O: Open space T: Town</p> 														
Impression															
とてもよい															

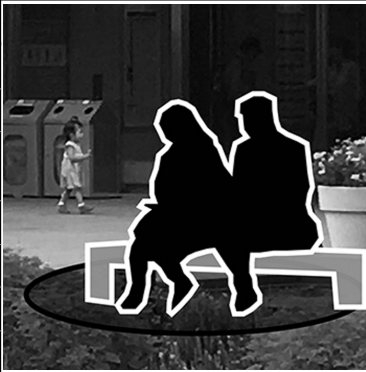


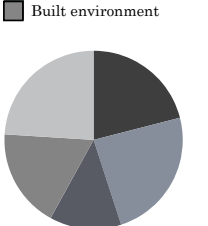
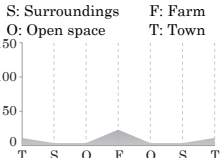
E02	Observation		Tendency of Zone/Boundary												
	Situation		Zone			Boundary									
			Stay	Approach	Cross	Height	Texture	Floor							
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change			
2017/07/22 12:32 PM															
Gender															
女性															
Age															
36 ~ 50 歳															
External motivation		View analysis and rating													
Company	家族と	Fisheye projection			Components			Preferences							
Frequency	週末のみ														
Distance	30分~1時間の距離														
Know this place from	この領域に住んでいるから														
Activity	Time spent (min)														
自然を楽しむため	<p>S: Surroundings F: Farm</p> <p>O: Open space T: Town</p> 														
Impression															
とてもよい															




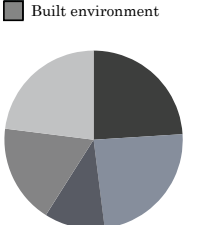
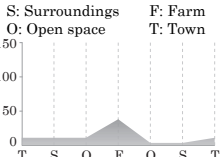
E03	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Ebisu												
2017/07/22 12:37 PM												
Gender	男性											
Age	20 ~ 35 歳											
External motivation			View analysis and rating									
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	週末のみ											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
休憩 (運動、ショッピングの後)												
Impression	とてもよい											



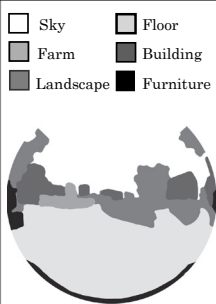
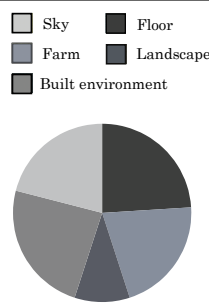
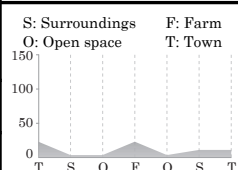
E04	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Ebisu												
2017/07/22 12:38 PM												
Gender	男性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	15分~30分の距離											
Know this place from	友人や知人から											
Activity	Time spent (min)											
家族とのお出かけ												
Impression	どちらでもない											


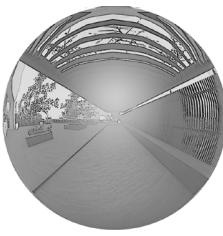
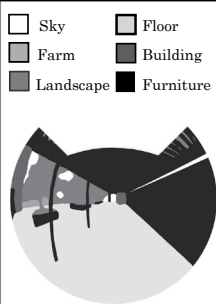
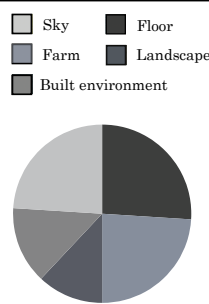
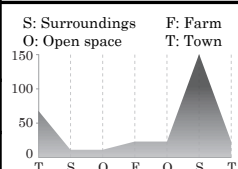
E05	Observation		Tendency of Zone/Boundary											
	Situation		Zone			Boundary								
			Stay	Approach	Cross	Height	Texture	Floor						
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change		
2017/07/22 12:39 PM														
Gender														
男性														
Age														
20 ~ 35 歳														
External motivation		View analysis and rating												
Company	一人で	Fisheye projection			Components			Preferences						
Frequency	週末のみ													
Distance	駅のすぐ近く													
Know this place from	この領域に住んでいるから													
Activity	Time spent (min)													
休憩(運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town													
Impression														
とてもよい														


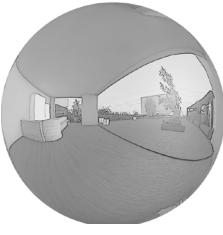
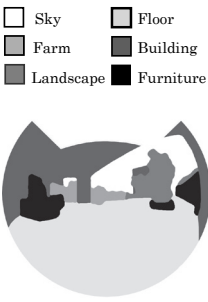
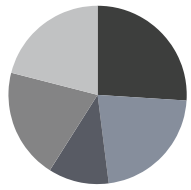
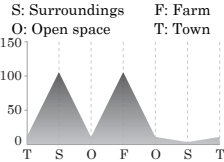
E06	Observation		Tendency of Zone/Boundary											
	Situation		Zone			Boundary								
			Stay	Approach	Cross	Height	Texture	Floor						
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change		
2017/07/22 12:43 PM														
Gender														
女性														
Age														
20 ~ 35 歳														
External motivation		View analysis and rating												
Company	友人・同僚と	Fisheye projection			Components			Preferences						
Frequency	それ以下													
Distance	30分~1時間の距離													
Know this place from	友人や知人から													
Activity	Time spent (min)													
休憩(運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town													
Impression														
どちらでもない														

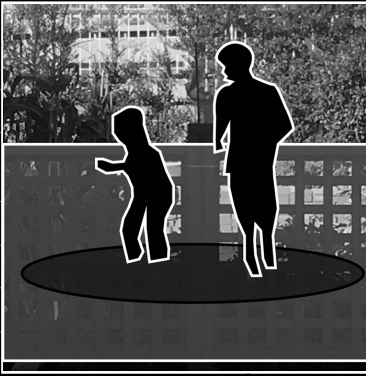

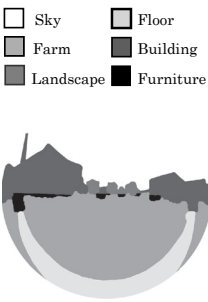
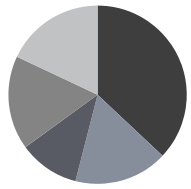
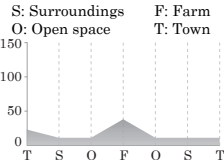
E07	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Ebisu	2017/07/22 12:47 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	36 ~ 50 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	15分~30分の距離											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
休憩(運動、ショッピングの後)												
Impression	とてもよい											



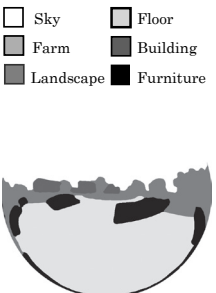
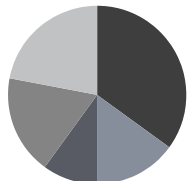
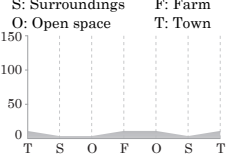
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	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Ebisu	2017/07/22 12:48 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	51 歳以上											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食; 休憩(運動、ショッピングの後)												
Impression	とてもよい											

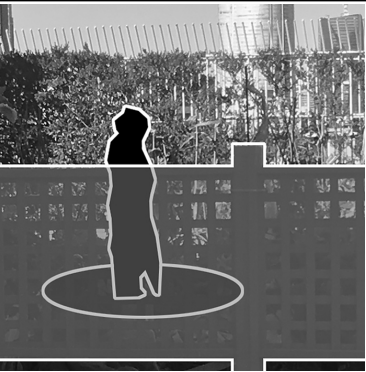
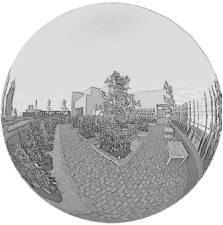

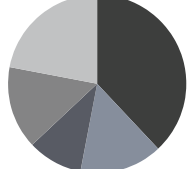
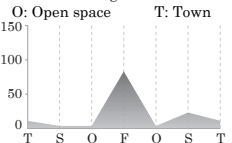
E09	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/22 12:49 PM												
Gender	男性											
Age	36 ~ 50 歳											
External motivation		View analysis and rating										
Company	友人・同僚と	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	15分~30分の距離											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食; 休憩 (運動、ショッピングの後)	<p>S: Surroundings F: Farm O: Open space T: Town</p> 											
Impression	とてもよい											



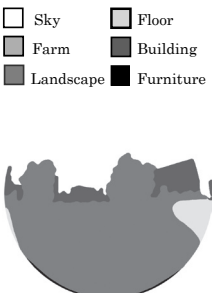
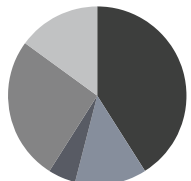
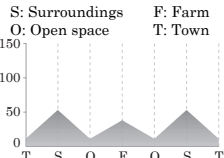
E10	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/22 1:01 PM												
Gender	男性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	1時間以上かかる距離											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食	<p>S: Surroundings F: Farm O: Open space T: Town</p> 											
Impression	とてもよい											




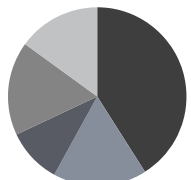
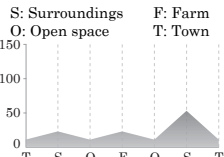
E11	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/07/22 1:03 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性								<input type="radio"/>	<input type="radio"/>		
Age	20 ~ 35 歳								<input type="radio"/>	<input type="radio"/>		
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食; 家族とのお出かけ												
Impression	とてもよい											


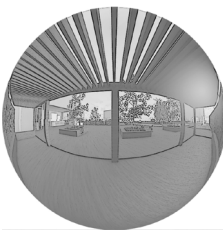

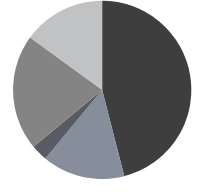
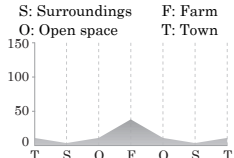
E12	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/07/22 1:05 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性								<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
Age	51 歳以上								<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	15 分 ~ 30 分の距離											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食; 休憩 (運動、ショッピングの後)												
Impression	どちらでもない											




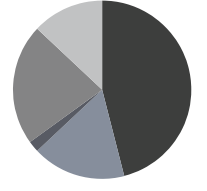
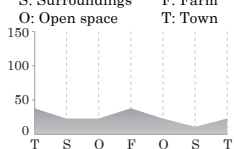
E13	Observation		Tendency of Zone/Boundary																
	Situation		Zone			Boundary													
			Stay	Approach	Cross	Height		Texture	Floor										
Ebisu																			
2017/07/22 1:12 PM																			
Gender	女性																		
Age	36 ~ 50 歳																		
External motivation		View analysis and rating																	
Company	家族と	Fisheye projection			Components				Preferences										
Frequency	一週間に数回																		
Distance	駅のすぐ近く																		
Know this place from	この領域に住んでいるから																		
Activity	Time spent (min)																		
休憩(運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town																		
Impression																			
	とてもよい																		



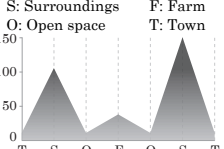
E14	Observation		Tendency of Zone/Boundary																
	Situation		Zone			Boundary													
			Stay	Approach	Cross	Height		Texture	Floor										
Ebisu																			
2017/07/22 1:32 PM																			
Gender	女性																		
Age	51 歳以上																		
External motivation		View analysis and rating																	
Company	毎回違う	Fisheye projection			Components				Preferences										
Frequency	一週間に数回																		
Distance	駅のすぐ近く																		
Know this place from	この領域に住んでいるから																		
Activity	Time spent (min)																		
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town																		
Impression																			
	とてもよい																		



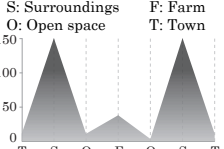
E15	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/07/24 4:41 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食; 休憩; 自然を楽しむため												
Impression	とてもよい											


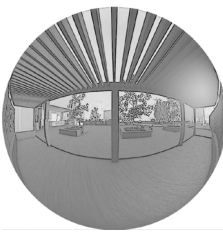

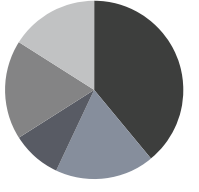
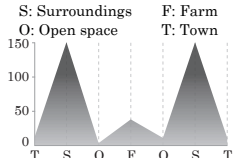
E16	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/07/24 4:41 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食; 休憩; 家族とのお出かけ; 自然を楽しむため												
Impression	とてもよい											




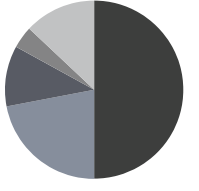
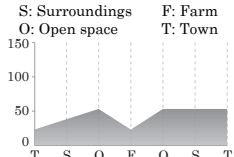
E17	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Ebisu	2017/07/24 4:44 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture		<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment					
Distance	駅のすぐ近く				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture		<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment					
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食; 休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town 											
Impression	とてもよい											


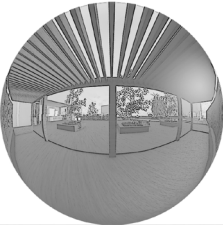

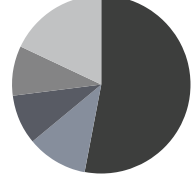
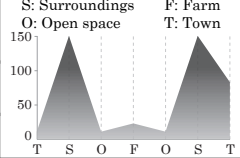
E18	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Ebisu	2017/07/24 4:47 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	51 歳以上											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	それ以下				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture		<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment					
Distance	30 分 ~ 1 時間の距離				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture		<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment					
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食; 休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town 											
Impression	とてもよい											


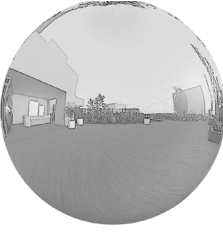

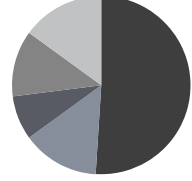
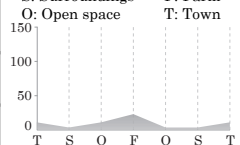
E19		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
							Height			Texture		Floor	
Ebisu				Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/08/07 12:12 PM													
Gender		男性											
Age		36 ~ 50 歳											
External motivation				View analysis and rating									
Company		家族と		Fisheye projection			Components			Preferences			
Frequency		週末のみ					<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment			
Distance		駅のすぐ近く											
Know this place from		この領域に住んでいるから											
Activity		Time spent (min)											
休憩(運動、ショッピングの後、仕事の)		S: Surroundings F: Farm O: Open space T: Town											
Impression													
Impression		どちらでもない											


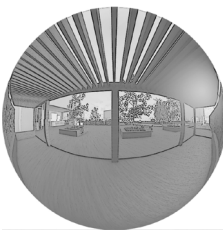
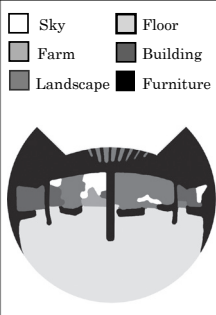
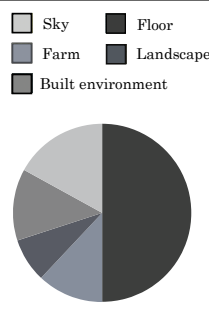
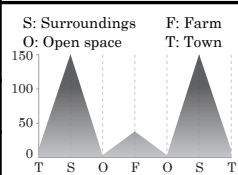
E20		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
							Height			Texture		Floor	
Ebisu				Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/08/07 12:18 PM													
Gender		女性											
Age		36 ~ 50 歳											
External motivation				View analysis and rating									
Company		一人で		Fisheye projection			Components			Preferences			
Frequency		初めての訪問					<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment			
Distance		駅のすぐ近く											
Know this place from		友人や知人から											
Activity		Time spent (min)											
昼食		S: Surroundings F: Farm O: Open space T: Town											
Impression													
Impression		どちらでもない											



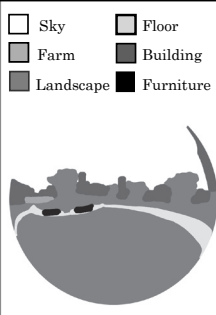
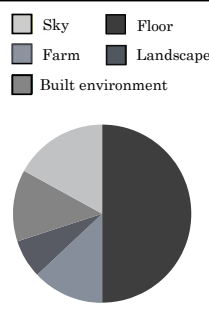
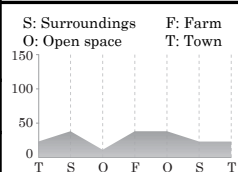
E21	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height		Texture	Floor				
Ebisu	2017/08/07 12:26 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	20 ~ 35 歳		<input type="radio"/>			<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>		
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回				Distance	駅のすぐ近く	Know this place from	この領域に住んでいるから				
Activity	休憩(運動、ショッピングの後)				Time spent (min)							
Impression	とてもよい											


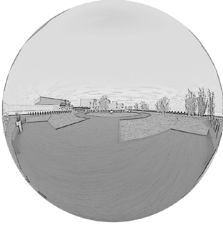
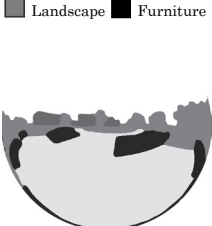
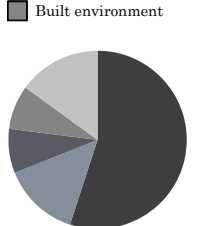
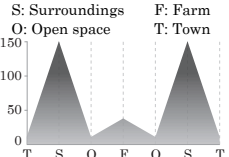
E22	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height		Texture	Floor				
Ebisu	2017/07/22 12:04 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	51 歳以上		<input type="radio"/>			<input type="radio"/>			<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	週末のみ				Distance	15 分 ~ 30 分の距離	Know this place from	この領域に住んでいるから				
Activity	自然を楽しむため				Time spent (min)							
Impression	とてもよい											


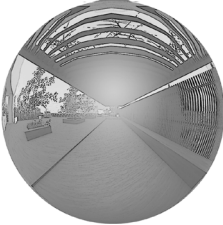
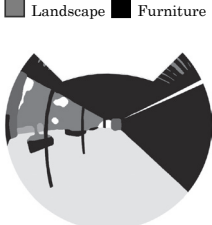
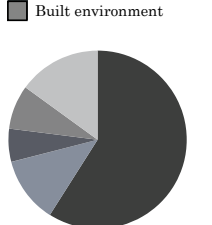
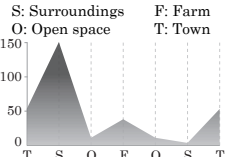
E23		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Ebisu	2017/08/07 12:36 PM		Stay	Approach	Cross	Height			Texture	Floor	
Gender						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
女性	Age		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20 ~ 35 歳											
External motivation			View analysis and rating								
Company	一人で		Fisheye projection		Components		Preferences				
Frequency	一週間に数回					<input type="checkbox"/> Sky	<input type="checkbox"/> Floor	<input type="checkbox"/> Sky	<input type="checkbox"/> Floor		
Distance	駅のすぐ近く	<input type="checkbox"/> Farm				<input type="checkbox"/> Building	<input type="checkbox"/> Farm	<input type="checkbox"/> Landscape			
Know this place from	友人や知人から	<input type="checkbox"/> Landscape				<input type="checkbox"/> Furniture	<input type="checkbox"/> Built environment				
Activity	Time spent (min)										
屋食	S: Surroundings O: Open space F: Farm T: Town										
Impression	どちらでもない										



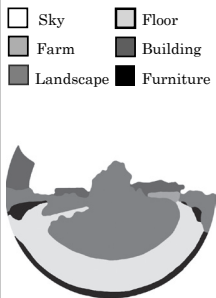
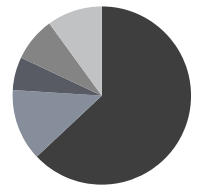
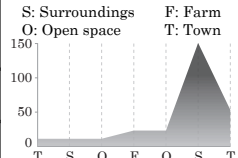
E24		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Ebisu	2017/08/07 12:57 PM		Stay	Approach	Cross	Height			Texture	Floor	
Gender						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
男性	Age		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
51 歳以上											
External motivation			View analysis and rating								
Company	一人で		Fisheye projection		Components		Preferences				
Frequency	初めての訪問					<input type="checkbox"/> Sky	<input type="checkbox"/> Floor	<input type="checkbox"/> Sky	<input type="checkbox"/> Floor		
Distance	駅のすぐ近く	<input type="checkbox"/> Farm				<input type="checkbox"/> Building	<input type="checkbox"/> Farm	<input type="checkbox"/> Landscape			
Know this place from	テレビ	<input type="checkbox"/> Landscape				<input type="checkbox"/> Furniture	<input type="checkbox"/> Built environment				
Activity	Time spent (min)										
自然を楽しむため	S: Surroundings O: Open space F: Farm T: Town										
Impression	とてもよい										


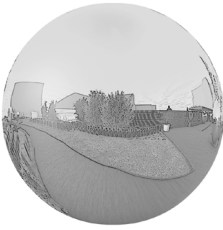

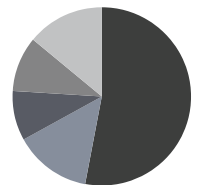
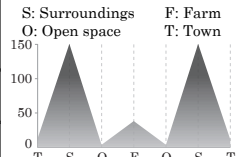
E25	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height		Texture	Floor				
Ebisu	2017/08/07 1:08 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	友人や知人から											
Activity	Time spent (min)											
昼食												
Impression	とてもよい											


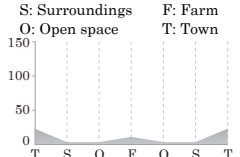

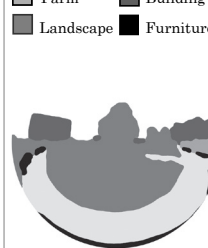
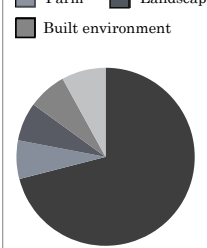
E26	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height		Texture	Floor				
Ebisu	2017/08/07 1:13 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	15分~30分の距離											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
休憩(運動、ショッピングの後)												
Impression	とてもよい											


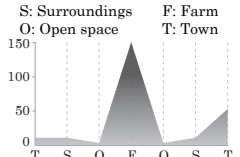
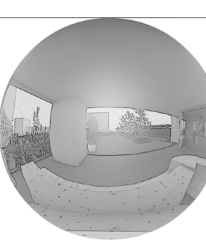
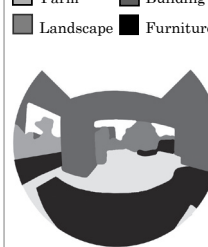
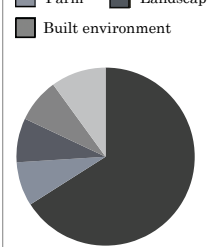
E27	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/08/07 1:24 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	20 ~ 35 歳											
External motivation			View analysis and rating									
Company	一人で		Fisheye projection			Components			Preferences			
Frequency	それ以下											
Distance	駅のすぐ近く					<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment			
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食	S: Surroundings F: Farm O: Open space T: Town 											
Impression	とてもよい											



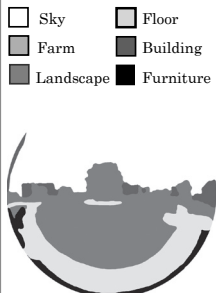
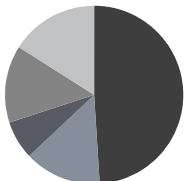
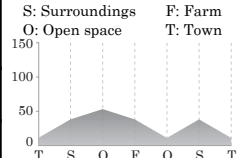
E28	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/08/07 1:43 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	51 歳以上											
External motivation			View analysis and rating									
Company	家族と		Fisheye projection			Components			Preferences			
Frequency	初めての訪問											
Distance	30 分 ~ 1 時間の距離					<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment			
Know this place from	友人や知人から											
Activity	Time spent (min)											
休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town 											
Impression	どちらでもない											


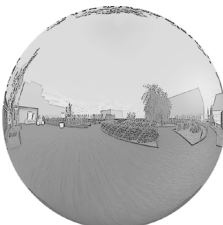

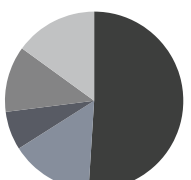
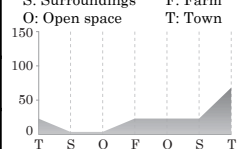
E29	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/08/07 2:44 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	36 ~ 50 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食												
Impression	どちらでもない											


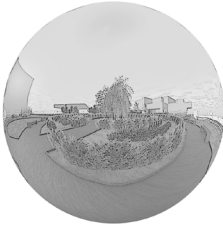
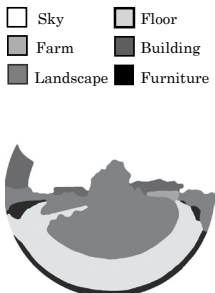
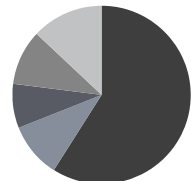
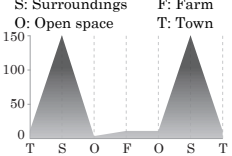
E30	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/08/10 2:56 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	51 歳以上											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食												
Impression	とてもよい											




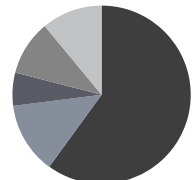
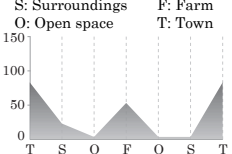
E31	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
Height			Texture	Floor	Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Ebisu	2017/08/10 3:10 PM	男性	20 ~ 35 歳	○	○				○		○		
External motivation			View analysis and rating										
Company	一人で	Frequency	初めての訪問	Distance	15分~30分の距離	Know this place from	この地域を通りかかったから	Fisheye projection	Components	Preferences			
Activity	Time spent (min)												
休憩(運動、ショッピングの後)	S: Surroundings O: Open space F: Farm T: Town												
Impression	悪い												


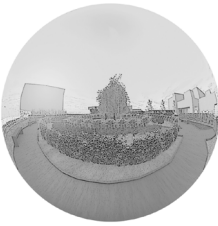
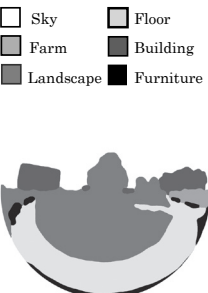
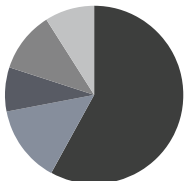
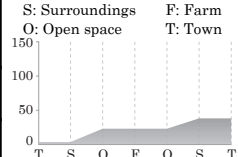
E32	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
Height			Texture	Floor	Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Ebisu	2017/08/10 3:22 PM	女性	20 ~ 35 歳	○				○	○				
External motivation			View analysis and rating										
Company	友人・同僚と	Frequency	一週間に数回	Distance	駅のすぐ近く	Know this place from	広告などから	Fisheye projection	Components	Preferences			
Activity	Time spent (min)												
職場	S: Surroundings O: Open space F: Farm T: Town												
Impression	どちらでもない												




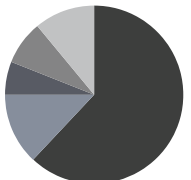
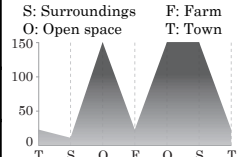
E33	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Ebisu													
2017/08/10 3:35 PM													
Gender													
男性													
Age													
36 ~ 50 歳													
External motivation		View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	一週間に数回												
Distance	駅のすぐ近く												
Know this place from	この領域に住んでいるから												
Activity	Time spent (min)												
休憩(運動、ショッピングの後)	S: Surroundings O: Open space F: Farm T: Town												
Impression													
とてもよい													




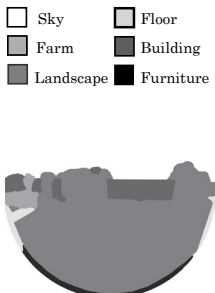
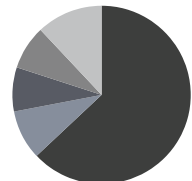
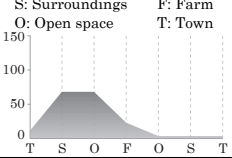
E34	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Ebisu													
2017/08/10 3:53 PM													
Gender													
女性													
Age													
20 ~ 35 歳													
External motivation		View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	初めての訪問												
Distance	1 時間以上かかる距離												
Know this place from	この地域を通りかかったから												
Activity	Time spent (min)												
休憩(運動、ショッピングの後); 家族とのお出かけ	S: Surroundings O: Open space F: Farm T: Town												
Impression													
とてもよい													





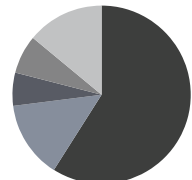
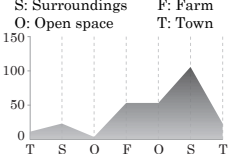
E35	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Ebisu	2017/08/10 4:05 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	51 歳以上											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
家族とのお出かけ; 自然を楽しむため												
Impression	とてもよい											



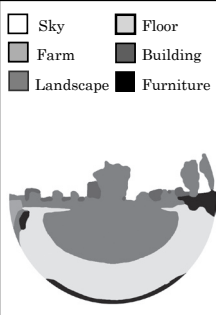
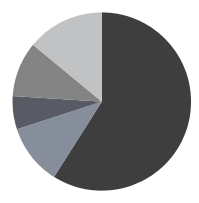
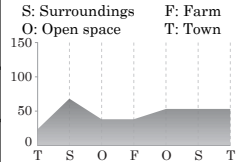
E36	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Ebisu	2017/09/22 1:21 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	1 時間以上かかる距離											
Know this place from	友人や知人から											
Activity	Time spent (min)											
休憩(運動、ショッピングの後)												
Impression	とてもよい											



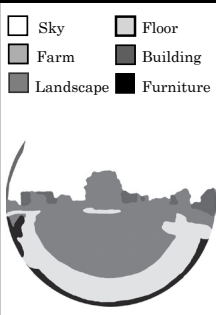
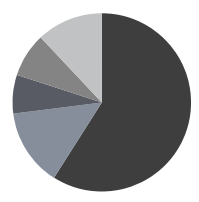
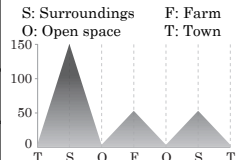
E37	Observation		Tendency of Zone/Boundary																
	Situation		Zone			Boundary													
			Stay	Approach	Cross	Height	Texture	Floor	Material change										
Ebisu																			
2017/09/22 1:29 PM																			
Gender 男性																			
Age 36 ~ 50 歳																			
External motivation		View analysis and rating																	
Company	一人で	Fisheye projection			Components				Preferences										
Frequency	初めての訪問																		
Distance	15分~30分の距離																		
Know this place from	この地域を通りかかったから																		
Activity	Time spent (min)																		
昼食; 休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town																		
Impression																			
とてもよい																			


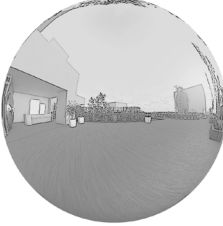

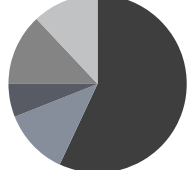
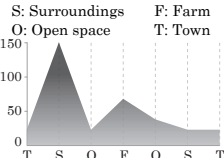
E38	Observation		Tendency of Zone/Boundary																
	Situation		Zone			Boundary													
			Stay	Approach	Cross	Height	Texture	Floor	Material change										
Ebisu																			
2017/09/22 1:36 PM																			
Gender 女性																			
Age 36 ~ 50 歳																			
External motivation		View analysis and rating																	
Company	家族と	Fisheye projection			Components				Preferences										
Frequency	それ以下																		
Distance	駅のすぐ近く																		
Know this place from	この地域を通りかかったから																		
Activity	Time spent (min)																		
昼食; 休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town																		
Impression																			
とてもよい																			




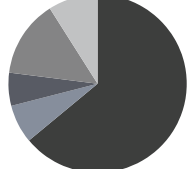
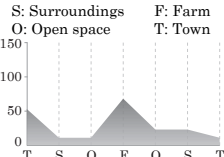
E39	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height			Texture	Floor			
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
2017/09/24 2:08 PM													
Gender 女性													
Age 36 ~ 50 歳													
External motivation		View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	週末のみ												
Distance	30分~1時間の距離												
Know this place from	この地域を通りかかったから												
Activity	Time spent (min)												
休憩(運動、ショッピングの後)													
Impression	どちらでもない												



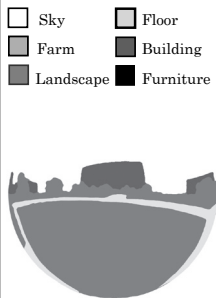
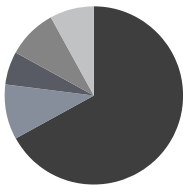
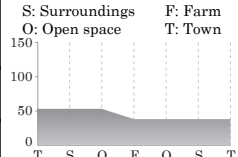
E40	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height			Texture	Floor			
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
2017/09/24 2:11 PM													
Gender 女性													
Age 20 ~ 35 歳													
External motivation		View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	一週間に数回												
Distance	15分~30分の距離												
Know this place from	この領域に住んでいるから												
Activity	Time spent (min)												
昼食;家族とのお出かけ													
Impression	とてもよい												


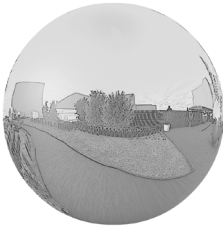
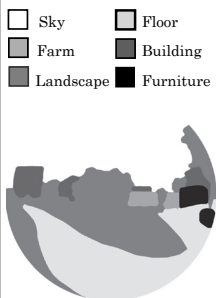
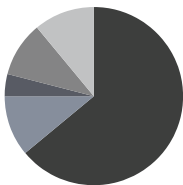
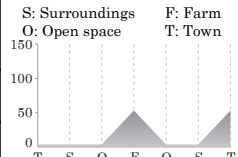
E41	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height			Texture	Floor			
Ebisu	2017/09/24 2:15 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性								<input checked="" type="radio"/>			
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components				Preferences			
Frequency	初めての訪問											
Distance	30分~1時間の距離											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
トイレの利用	S: Surroundings O: Open space F: Farm T: Town											
Impression												
	とてもよい											

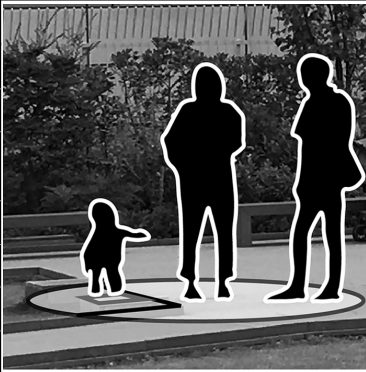
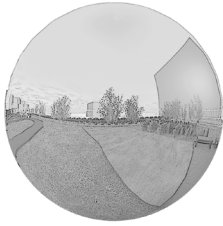
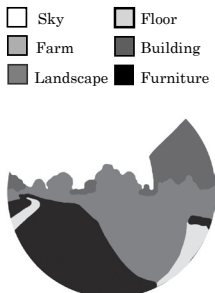
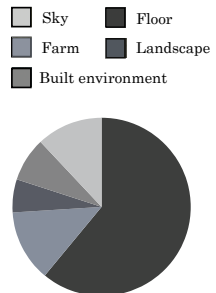
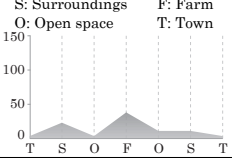
E42	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height			Texture	Floor			
Ebisu	2017/09/24 2:22 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性								<input checked="" type="radio"/>			
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components				Preferences			
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食	S: Surroundings O: Open space F: Farm T: Town											
Impression												
	とてもよい											




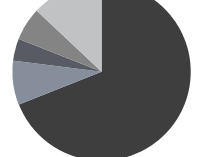
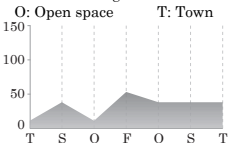
E43	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height			Texture	Floor			
Ebisu	2017/09/24 2:24 PM	女性	20 ~ 35 歳				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
				<input type="radio"/>			<input type="radio"/>			<input type="radio"/>			
External motivation			View analysis and rating										
Company	家族と		Fisheye projection	Components			Preferences						
Frequency	それ以下			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment						
Distance	15分~30分の距離												
Know this place from	この地域を通りかかったから		S: Surroundings F: Farm O: Open space T: Town										
Activity	Time spent (min)												
休憩(運動、ショッピングの後)													
Impression	とてもよい												



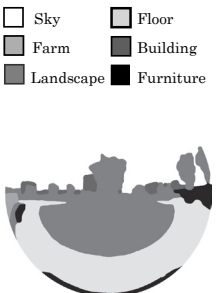
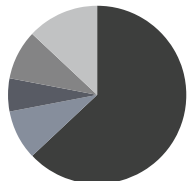
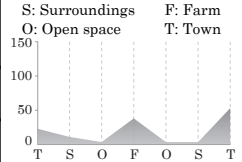
E44	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height			Texture	Floor			
Ebisu	2017/09/24 2:44 PM	女性	51 歳以上				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
				<input type="radio"/>			<input type="radio"/>			<input type="radio"/>			
External motivation			View analysis and rating										
Company	毎回違う		Fisheye projection	Components			Preferences						
Frequency	それ以下			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment						
Distance	駅のすぐ近く												
Know this place from	友人や知人から		S: Surroundings F: Farm O: Open space T: Town										
Activity	Time spent (min)												
昼食;家族との出かけ													
Impression	とてもよい												



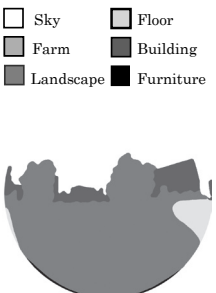
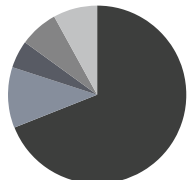
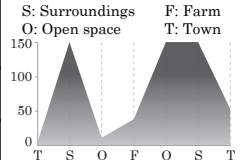
E45	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/10/05 4:08 PM												
Gender												
女性												
Age												
20 ~ 35 歳												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	15分~30分の距離											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
家族でのお出かけ	S: Surroundings F: Farm O: Open space T: Town											
Impression												
どちらでもない												




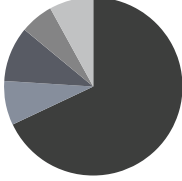
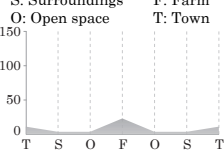
E46	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/10/05 4:14 PM												
Gender												
男性												
Age												
20 歳以下												
External motivation		View analysis and rating										
Company	友人・同僚と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	1 時間以上かかる距離											
Know this place from	友人や知人から											
Activity	Time spent (min)											
友人と会うため	S: Surroundings F: Farm O: Open space T: Town											
Impression												
とてもよい												




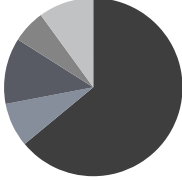
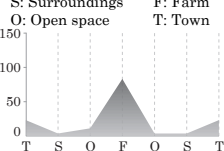
E47	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height			Texture	Floor			
Ebisu	2017/10/05 4:20 PM	女性	20 ~ 35 歳				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
External motivation			View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	一週間に数回												
Distance	駅のすぐ近く	Know this place from			Activity			Time spent (min)					
	この領域に住んでいるから	休憩(運動、ショッピングの後)			T S O F O S T			S: Surroundings F: Farm O: Open space T: Town					
Impression	とてもよい												




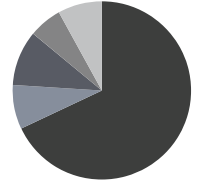
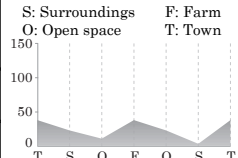
E48	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height			Texture	Floor			
Ebisu	2017/10/05 4:27 PM	女性	36 ~ 50 歳				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
External motivation			View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	それ以下												
Distance	15分~30分の距離	Know this place from			Activity			Time spent (min)					
	この領域に住んでいるから	家族とのお出かけ			T S O F O S T			S: Surroundings F: Farm O: Open space T: Town					
Impression	どちらでもない												




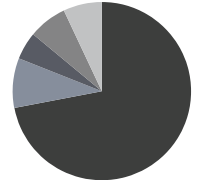
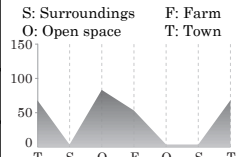
E49	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/10/05 4:36 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender 男性												
Age 20歳以下												
External motivation		View analysis and rating										
Company	友人・同僚と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	1時間以上かかる距離											
Know this place from	友人や知人から											
Activity	Time spent (min)											
休憩(運動、ショッピングの後)	S: Surroundings O: Open space F: Farm T: Town											
Impression	とてもよい											




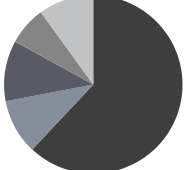
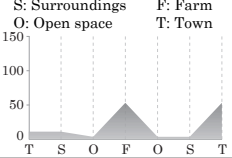
E50	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Ebisu	2017/10/05 4:49 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender 女性												
Age 20 ~ 35歳												
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	駅のすぐ近く											
Know this place from	友人や知人から											
Activity	Time spent (min)											
昼食	S: Surroundings O: Open space F: Farm T: Town											
Impression	とてもよい											




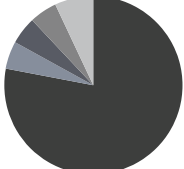
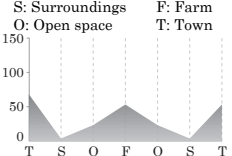
Z01	Observation		Tendency of Zone/Boundary								
	Situation		Zone			Boundary					
			Stay	Approach	Cross	Height	Texture	Floor			
Zama											
2017/05/21 12:12 PM											
Gender	男性										
Age	51 歳以上										
External motivation		View analysis and rating									
Company	家族と	Fisheye projection		Components		Preferences					
Frequency	週末のみ										
Distance	15 分 ~30 分の距離										
Know this place from	この地域を通りかかったから										
Activity	Time spent (min)										
菜園で作物を育てるため	S: Surroundings O: Open space F: Farm T: Town										
Impression											
	どちらでもない										



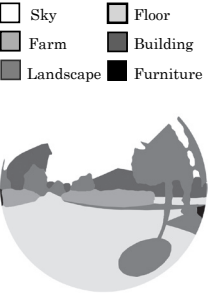
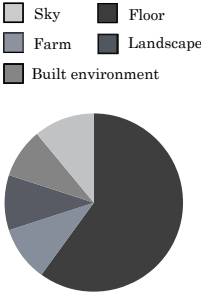
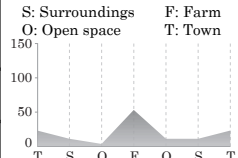
Z02	Observation		Tendency of Zone/Boundary								
	Situation		Zone			Boundary					
			Stay	Approach	Cross	Height	Texture	Floor			
Zama											
2017/05/21 12:16 PM											
Gender	女性										
Age	36 ~ 50 歳										
External motivation		View analysis and rating									
Company	家族と	Fisheye projection		Components		Preferences					
Frequency	一週間に数回										
Distance	15 分 ~30 分の距離										
Know this place from	この地域を通りかかったから										
Activity	Time spent (min)										
自然を楽しむため	S: Surroundings O: Open space F: Farm T: Town										
Impression											
	とてもよい										



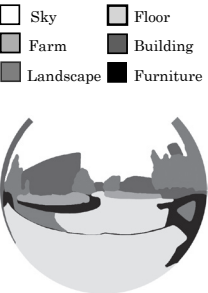
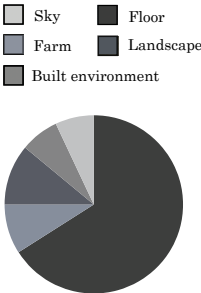
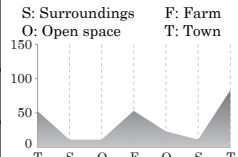
Z03	Observation		Tendency of Zone/Boundary												
	Situation		Zone			Boundary									
			Stay	Approach	Cross	Height		Texture	Floor						
Zama															
2017/05/21 12:20 PM															
Gender															
男性															
Age															
20 ~ 35 歳															
External motivation		View analysis and rating													
Company	家族と	Fisheye projection			Components			Preferences							
Frequency	初めての訪問				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment							
Distance	15分~30分の距離														
Know this place from	ここでのイベントに参加したから														
Activity	Time spent (min)														
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town 														
Impression	どちらでもない														



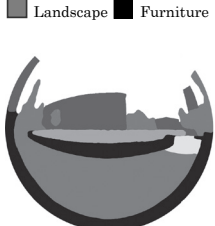
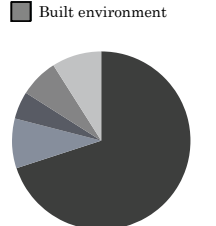
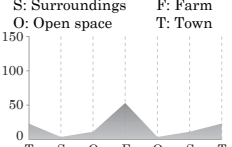
Z04	Observation		Tendency of Zone/Boundary												
	Situation		Zone			Boundary									
			Stay	Approach	Cross	Height		Texture	Floor						
Zama															
2017/06/18 11:45 AM															
Gender															
男性															
Age															
51 歳以上															
External motivation		View analysis and rating													
Company	家族と	Fisheye projection			Components			Preferences							
Frequency	初めての訪問				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment							
Distance	1 時間以上かかる距離														
Know this place from	インスタグラム、フェイスブック、ツイッターなど														
Activity	Time spent (min)														
家族でのお出かけ	S: Surroundings F: Farm O: Open space T: Town 														
Impression	悪い														



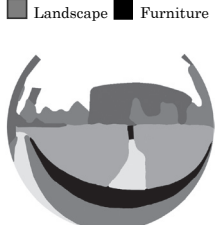
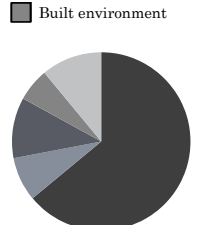
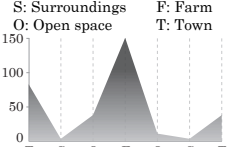
Z05		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
				Stay	Approach	Cross	Height			Texture		Floor	
Zama										L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque
2017/06/18 11:49 AM													
Gender													
女性													
Age													
51 歳以上													
External motivation			View analysis and rating										
Company	一人で		Fisheye projection			Components			Preferences				
Frequency	初めての訪問					<ul style="list-style-type: none"> <input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture 			<ul style="list-style-type: none"> <input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment <input type="checkbox"/> Floor <input type="checkbox"/> Landscape 				
Distance	30 分 ~ 1 時間の距離												
Know this place from	この地域を通りかかったから												
Activity	Time spent (min)												
屋食	S: Surroundings F: Farm O: Open space T: Town												
Impression	とてもよい												



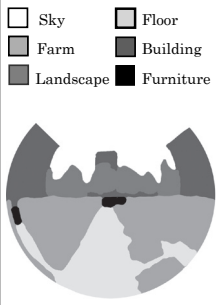
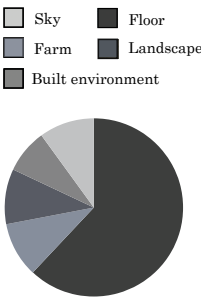
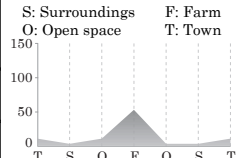
Z06		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
				Stay	Approach	Cross	Height			Texture		Floor	
Zama										L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque
2017/06/18 11:53 AM													
Gender													
女性													
Age													
20 ~ 35 歳													
External motivation			View analysis and rating										
Company	友人・同僚と		Fisheye projection			Components			Preferences				
Frequency	初めての訪問					<ul style="list-style-type: none"> <input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture 			<ul style="list-style-type: none"> <input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment <input type="checkbox"/> Floor <input type="checkbox"/> Landscape 				
Distance	1 時間以上かかる距離												
Know this place from	友人や知人から												
Activity	Time spent (min)												
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town												
Impression	とてもよい												




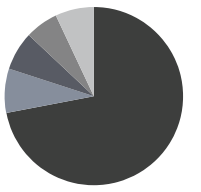
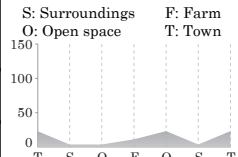
Z07	Observation		Tendency of Zone/Boundary											
	Situation		Zone			Boundary								
			Stay	Approach	Cross	Height		Texture	Floor					
Zama														
2017/07/16 11:56 AM														
Gender	女性													
Age	20 ~ 35 歳													
External motivation			View analysis and rating											
Company	友人・同僚と	Fisheye projection			Components				Preferences					
Frequency	初めての訪問													
Distance	15分~30分の距離													
Know this place from	インスタグラム、フェイスブック、ツイッターなど													
Activity	Time spent (min)													
昼食；自然を楽しむため	S: Surroundings F: Farm O: Open space T: Town 													
Impression	とてもよい													




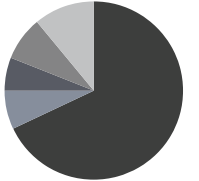
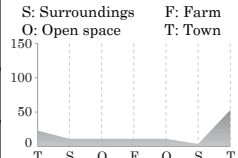
Z08	Observation		Tendency of Zone/Boundary											
	Situation		Zone			Boundary								
			Stay	Approach	Cross	Height		Texture	Floor					
Zama														
2017/07/16 11:59 AM														
Gender	女性													
Age	20 ~ 35 歳													
External motivation			View analysis and rating											
Company	家族と	Fisheye projection			Components				Preferences					
Frequency	初めての訪問													
Distance	1時間以上かかる距離													
Know this place from	インスタグラム、フェイスブック、ツイッターなど													
Activity	Time spent (min)													
団地の見学者	S: Surroundings F: Farm O: Open space T: Town 													
Impression	とてもよい													




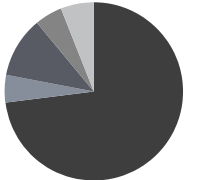
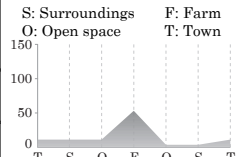
Z09	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Zama	2017/07/16 12:02 PM	Gender 男性	Age 20 ~ 35 歳				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
External motivation		View analysis and rating											
Company	一人で	Fisheye projection			Components			Preferences					
Frequency	一週間に数回												
Distance	15分~30分の距離												
Know this place from	この領域に住んでいるから												
Activity	Time spent (min)												
昼食; 自然を楽しむため	S: Surroundings O: Open space F: Farm T: Town												
Impression													
	どちらでもない												


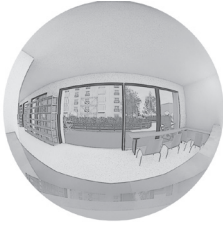
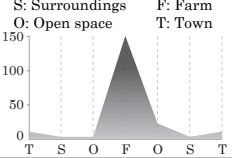
Z10	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Zama	2017/07/16 12:15 PM	Gender 男性	Age 36 ~ 50 歳				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
External motivation		View analysis and rating											
Company	一人で	Fisheye projection			Components			Preferences					
Frequency	一週間に数回												
Distance	15分~30分の距離												
Know this place from	広告などから												
Activity	Time spent (min)												
仕事の菜園	S: Surroundings O: Open space F: Farm T: Town												
Impression													
	とてもよい												



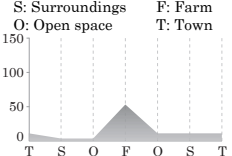
Z11	Observation		Tendency of Zone/Boundary											
	Situation		Zone			Boundary								
			Stay	Approach	Cross	Height		Texture	Floor					
Zama	2017/07/16 12:20 PM	女性	36 ~ 50 歳	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
External motivation			View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences						
Frequency	一週間に数回													
Distance	駅のすぐ近く	Activity			Time spent (min)			Impression						
Know this place from	この地域を通りかかったから	菜園で作物を育てるため			S: Surroundings O: Open space F: Farm T: Town			とてもよい						
Time spent (min)														




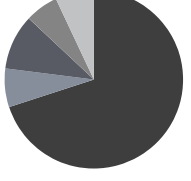
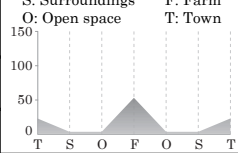
Z12	Observation		Tendency of Zone/Boundary											
	Situation		Zone			Boundary								
			Stay	Approach	Cross	Height		Texture	Floor					
Zama	2017/07/17 11:24 AM	女性	36 ~ 50 歳	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
External motivation			View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences						
Frequency	それ以下													
Distance	15分~30分の距離	Activity			Time spent (min)			Impression						
Know this place from	この領域に住んでいるから	イベント参加			S: Surroundings O: Open space F: Farm T: Town			どちらでもない						
Time spent (min)														




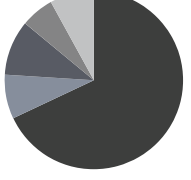
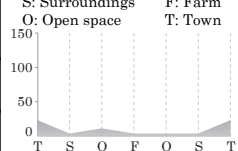
Z15	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama	2017/07/17 11:33 AM	男性				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	15分~30分の距離											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
自然を楽しむため; 休憩 (運動、ショッピングの)	S: Surroundings F: Farm O: Open space T: Town											
Impression												
	とてもよい											



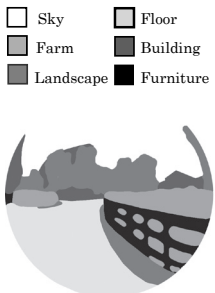
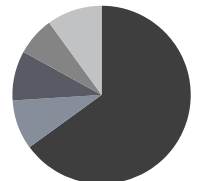
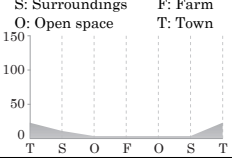
Z16	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama	2017/07/17 11:35 AM	女性				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Age	36 ~ 50 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	駅のすぐ近く											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食	S: Surroundings F: Farm O: Open space T: Town											
Impression												
	どちらでもない											




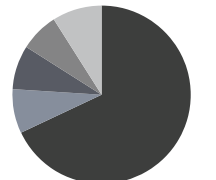
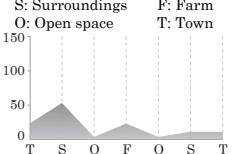
Z17	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama												
2017/07/17 11:38 AM												
Gender												
女性												
Age												
20 ~ 35 歳												
External motivation			View analysis and rating									
Company	家族と		Fisheye projection 	Components <input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			Preferences <input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment					
Frequency	一週間に数回											
Distance	30分~1時間の距離											
Know this place from	インスタグラム、フェイスブック、ツイッターなど											
Activity	Time spent (min)											
仕事のカフェ	S: Surroundings F: Farm O: Open space T: Town 											
Impression												
どちらでもない												



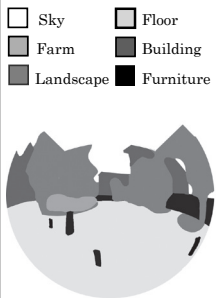
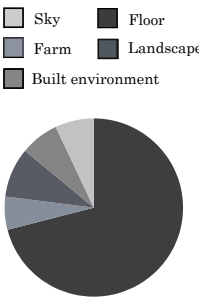
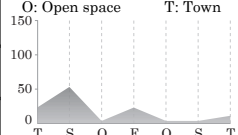
Z18	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama												
2017/07/17 11:41 AM												
Gender												
女性												
Age												
20 ~ 35 歳												
External motivation			View analysis and rating									
Company	家族と		Fisheye projection 	Components <input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			Preferences <input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment					
Frequency	週末のみ											
Distance	15分~30分の距離											
Know this place from	友人や知人から											
Activity	Time spent (min)											
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town 											
Impression												
とてもよい												




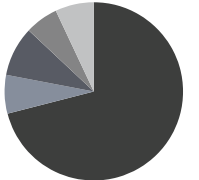
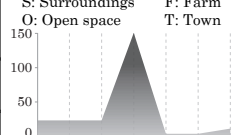
Z19	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Zama													
2017/07/23 2:44 PM													
Gender													
女性													
Age													
20 ~ 35 歳													
External motivation		View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	初めての訪問												
Distance	15分~30分の距離	<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment								
Know this place from	友人や知人から												
Activity	Time spent (min)												
家族でのお出かけ	S: Surroundings F: Farm O: Open space T: Town 												
Impression													
とてもよい													



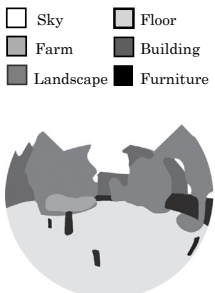
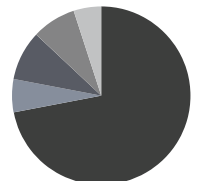
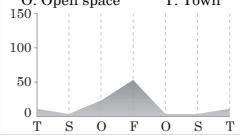
Z20	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama												
2017/07/23 2:47 PM												
Gender												
女性												
Age												
36 ~ 50 歳												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	週末のみ											
Distance	駅のすぐ近く	<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment							
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
イベント参加	S: Surroundings F: Farm O: Open space T: Town 											
Impression												
とてもよい												




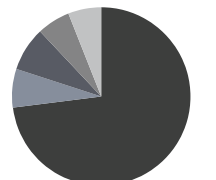
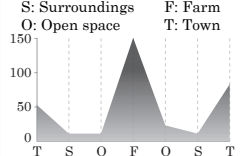
Z21	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Zama	2017/07/23 2:49 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	週末のみ											
Distance	駅のすぐ近く	Activity			Time spent (min)							
Know this place from	この地域を通りかかったから	休憩(運動、ショッピングの後)			S: Surroundings O: Open space F: Farm T: Town							
Impression	とてもよい											




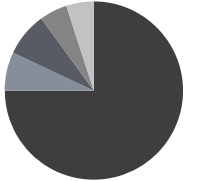
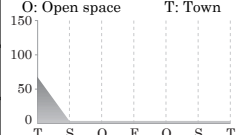
Z22	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Zama	2017/07/23 2:52 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	15分~30分の距離	Activity			Time spent (min)							
Know this place from	広告などから	休憩(運動、ショッピングの後)			S: Surroundings O: Open space F: Farm T: Town							
Impression	とてもよい											




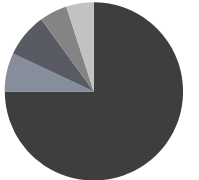
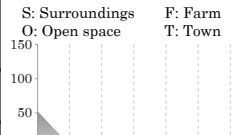
Z23	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/23 2:54 PM												
Gender	女性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	友人・同僚と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	15分~30分の距離											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
自然を楽しむため; 休憩(運動、ショッピングの)	S: Surroundings F: Farm O: Open space T: Town											
Impression												
	とてもよい											




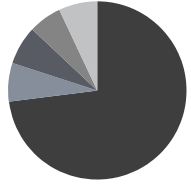
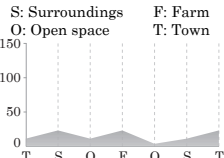
Z24	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/28 3:03 PM												
Gender	女性											
Age	20 ~ 35 歳											
External motivation			View analysis and rating									
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く											
Know this place from	友人や知人から											
Activity	Time spent (min)											
仕事のカフェ	S: Surroundings F: Farm O: Open space T: Town											
Impression												
	とてもよい											




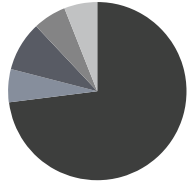
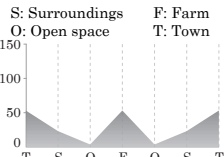
Z25	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Zama													
2017/07/28 3:06 PM													
Gender													
女性													
Age													
36 ~ 50 歳													
External motivation		View analysis and rating											
Company	家族と	Fisheye projection			Components			Preferences					
Frequency	毎日												
Distance	15分~30分の距離												
Know this place from	この地域を通りかかったから												
Activity	Time spent (min)												
保育園	S: Surroundings O: Open space F: Farm T: Town												
Impression													
とてもよい													



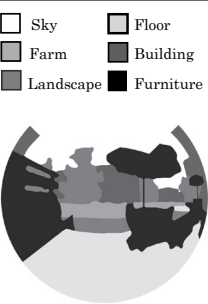
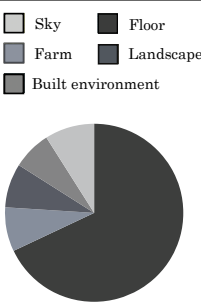
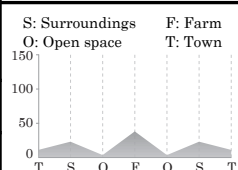
Z26	Observation		Tendency of Zone/Boundary										
	Situation		Zone			Boundary							
			Stay	Approach	Cross	Height	Texture	Floor					
Zama													
2017/07/28 3:08 PM													
Gender													
女性													
Age													
36 ~ 50 歳													
External motivation		View analysis and rating											
Company	一人で	Fisheye projection			Components			Preferences					
Frequency	一週間に数回												
Distance	駅のすぐ近く												
Know this place from	広告などから												
Activity	Time spent (min)												
仕事のカフェ	S: Surroundings O: Open space F: Farm T: Town												
Impression													
とてもよい													




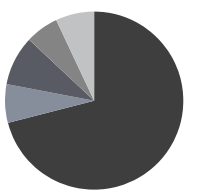
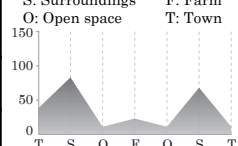
Z27	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/28 3:11 PM												
Gender												
女性												
Age												
36 ~ 50 歳												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	毎日											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
駅のすぐ近く	S: Surroundings F: Farm O: Open space T: Town											
Impression												
どちらでもない												




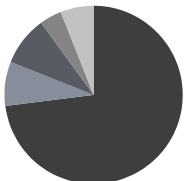
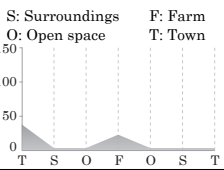
Z28	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/28 3:13 PM												
Gender												
男性												
Age												
36 ~ 50 歳												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	毎日											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
駅のすぐ近く	S: Surroundings F: Farm O: Open space T: Town											
Impression												
どちらでもない												




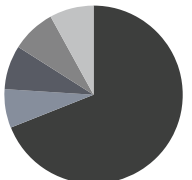
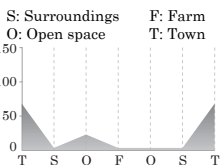
Z29	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Situation	Zama					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
	2017/07/28 3:16 PM											
Gender	女性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	週末のみ											
Distance	15分~30分の距離	<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment							
Know this place from	テレビ											
Activity	Time spent (min)											
家族とのお出かけ	S: Surroundings F: Farm O: Open space T: Town 											
Impression	とてもよい											




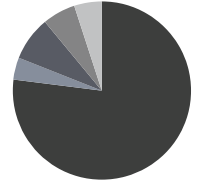
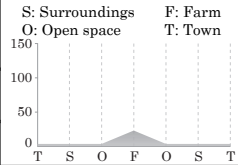
Z30	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Situation	Zama					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
	2017/07/28 3:19 PM											
Gender	男性											
Age	36 ~ 50 歳											
External motivation			View analysis and rating									
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	駅のすぐ近く	<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment							
Know this place from	ここでのイベントに参加したから											
Activity	Time spent (min)											
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town 											
Impression	とてもよい											

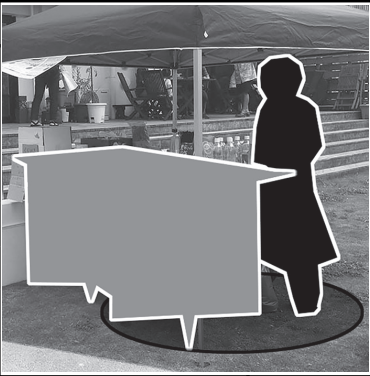


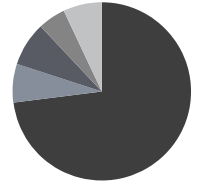
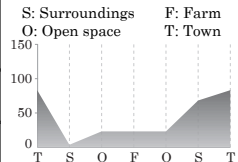
Z31	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height	Texture	Floor	Material change				
Zama	2017/07/28 3:22 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	20 ~ 35 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下											
Distance	駅のすぐ近く											
Know this place from	この地域を通りかかったから											
Activity	Time spent (min)											
昼食; 休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town											
Impression												
	とてもよい											



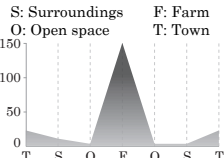
Z32	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
Stay			Approach	Cross	Height	Texture	Floor	Material change				
Zama	2017/07/28 3:25 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	36 ~ 50 歳											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	一週間に数回											
Distance	30分~1時間の距離											
Know this place from	友人や知人から											
Activity	Time spent (min)											
休憩 (運動、ショッピングの後)	S: Surroundings F: Farm O: Open space T: Town											
Impression												
	とてもよい											



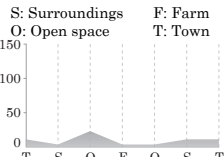
Z33	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Situation	Zama					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
	2017/07/28 3:28 PM											
Gender	男性											
Age	20 ~ 35 歳											
External motivation			View analysis and rating									
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	週末のみ											
Distance	駅のすぐ近く											
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食; 休憩 (運動、ショッピングの後); 家族とのお	S: Surroundings O: Open space F: Farm T: Town											
Impression												
	とてもよい											




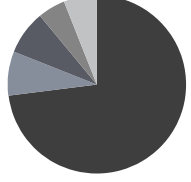
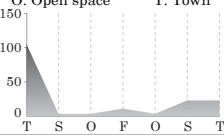
Z34	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height			Texture	Floor		
Situation	Zama					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
	2017/07/28 3:31 PM											
Gender	女性											
Age	20 ~ 35 歳											
External motivation			View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	1 時間以上かかる距離											
Know this place from	インスタグラム、フェイスブック、ツイッターなど											
Activity	Time spent (min)											
イベント参加	S: Surroundings O: Open space F: Farm T: Town											
Impression												
	とてもよい											




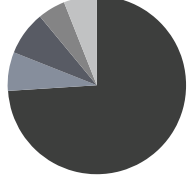
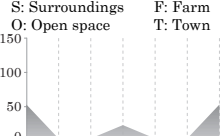
Z35	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama	2017/07/29 11:58 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	20歳以下											
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	毎日											
Distance	駅のすぐ近く				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment				
Know this place from	この領域に住んでいるから											
Activity	Time spent (min)											
昼食	S: Surroundings F: Farm O: Open space T: Town 											
Impression	どちりでもない											




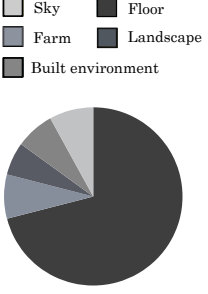
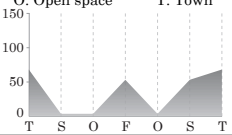
Z36	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama	2017/07/29 12:03 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性											
Age	36 ~ 50歳											
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	1時間以上かかる距離				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment				
Know this place from	広告などから											
Activity	Time spent (min)											
仕事のカフェ	S: Surroundings F: Farm O: Open space T: Town 											
Impression	とてもよい											



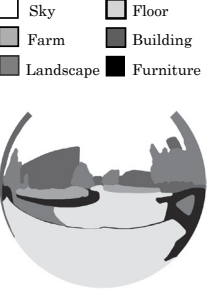
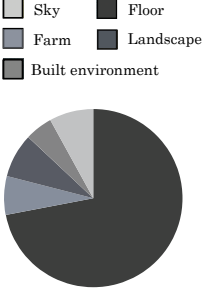
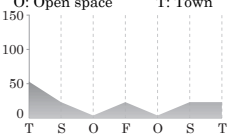
Z37		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Zama	2017/07/29 12:07 PM Gender 男性 Age 51 歳以上		Stay	Approach	Cross	Height			Texture	Floor	
2017/07/29 12:07 PM						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Gender			○		○		○				
男性											
Age											
51 歳以上											
External motivation		View analysis and rating									
Company	一人で	Fisheye projection		Components			Preferences				
Frequency	一週間に数回		☐ Sky ☐ Floor ■ Farm ■ Building ■ Landscape ■ Furniture ■ Built environment			☐ Sky ■ Floor ■ Farm ■ Landscape ■ Built environment					
Distance	15 分 ~30 分の距離										
Know this place from	広告などから										
Activity	Time spent (min)										
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town 										
Impression	どちらでもない										




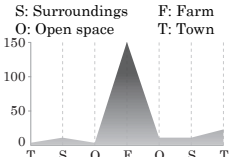
Z38		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Zama	2017/07/29 12:09 PM Gender 男性 Age 20 ~ 35 歳		Stay	Approach	Cross	Height			Texture	Floor	
2017/07/29 12:09 PM						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Gender			○		○		○				
男性											
Age											
20 ~ 35 歳											
External motivation		View analysis and rating									
Company	一人で	Fisheye projection		Components			Preferences				
Frequency	それ以下		☐ Sky ☐ Floor ■ Farm ■ Building ■ Landscape ■ Furniture ■ Built environment			☐ Sky ■ Floor ■ Farm ■ Landscape ■ Built environment					
Distance	15 分 ~30 分の距離										
Know this place from	この領域に住んでいるから										
Activity	Time spent (min)										
自然を楽しむため	S: Surroundings F: Farm O: Open space T: Town 										
Impression	とてもよい										




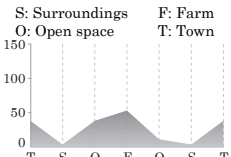
Z39	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/29 12:10 PM												
Gender												
女性												
Age												
36 ~ 50 歳												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	初めての訪問											
Distance	1 時間以上かかる距離				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment				
Know this place from	ここでのイベントに参加したから											
Activity	Time spent (min)											
イベント参加	S: Surroundings F: Farm O: Open space T: Town 											
Impression												
とてもよい												



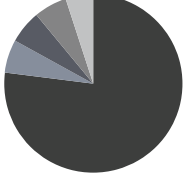
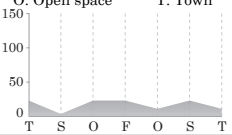


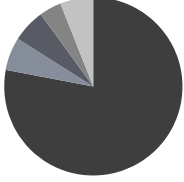
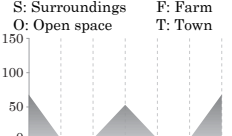
Z40	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height		Texture	Floor			
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/29 12:13 PM												
Gender												
男性												
Age												
20 ~ 35 歳												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	週末のみ											
Distance	30 分 ~ 1 時間の距離				<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture			<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment				
Know this place from	広告などから											
Activity	Time spent (min)											
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town 											
Impression												
とてもよい												



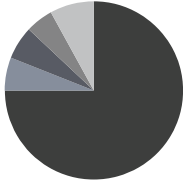
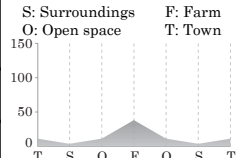
Z41		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Zama			Stay	Approach	Cross	Height			Texture	Floor	
2017/07/29 12:13 PM						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Gender	男性										
Age	20 ~ 35 歳										
External motivation		View analysis and rating									
Company	一人で	Fisheye projection			Components			Preferences			
Frequency	初めての訪問										
Distance	1 時間以上かかる距離										
Know this place from	インスタグラム、フェイスブック、ツイッターなど										
Activity	Time spent (min)										
家族とのお出かけ	S: Surroundings F: Farm O: Open space T: Town										
											
Impression	とてもよい										



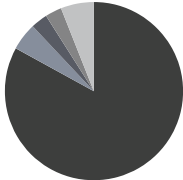
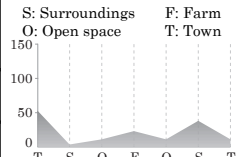
Z42		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Zama			Stay	Approach	Cross	Height			Texture	Floor	
2017/07/29 12:18 PM						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Gender	女性										
Age	36 ~ 50 歳										
External motivation		View analysis and rating									
Company	一人で	Fisheye projection			Components			Preferences			
Frequency	初めての訪問										
Distance	30 分 ~ 1 時間の距離										
Know this place from	友人や知人から										
Activity	Time spent (min)										
家族とのお出かけ; 自然を楽しむため	S: Surroundings F: Farm O: Open space T: Town										
											
Impression	とてもよい										




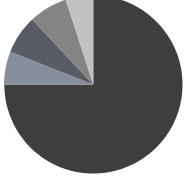
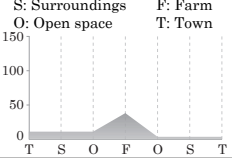
Z43	Observation		Tendency of Zone/Boundary							
			Zone			Boundary				
Stay			Approach	Cross	Height			Texture	Floor	
					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Situation			Zama							
			2017/07/29 12:19 PM							
Gender	女性									
Age	36 ~ 50 歳									
External motivation		View analysis and rating								
Company	家族と	Fisheye projection	Components			Preferences				
Frequency	初めての訪問			<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape	<input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment	<input type="checkbox"/> Floor <input type="checkbox"/> Landscape			
Distance	1 時間以上かかる距離			<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape	<input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment	<input type="checkbox"/> Floor <input type="checkbox"/> Landscape			
Know this place from	ここでのイベントに参加したから									
Activity	Time spent (min)									
イベント参加	S: Surroundings F: Farm O: Open space T: Town 									
Impression	とてもよい									




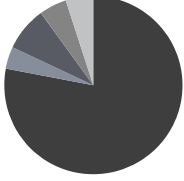
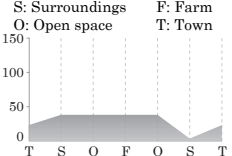
Z44	Observation		Tendency of Zone/Boundary							
			Zone			Boundary				
Stay			Approach	Cross	Height			Texture	Floor	
					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Situation			Zama							
			2017/07/29 12:25 PM							
Gender	女性									
Age	36 ~ 50 歳									
External motivation		View analysis and rating								
Company	家族と	Fisheye projection	Components			Preferences				
Frequency	初めての訪問			<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape	<input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment	<input type="checkbox"/> Floor <input type="checkbox"/> Landscape			
Distance	30 分 ~ 1 時間の距離			<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape	<input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment	<input type="checkbox"/> Floor <input type="checkbox"/> Landscape			
Know this place from	ここでのイベントに参加したから									
Activity	Time spent (min)									
家族でのお出かけ	S: Surroundings F: Farm O: Open space T: Town 									
Impression	とてもよい									




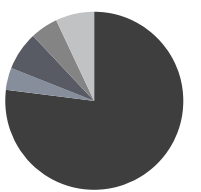
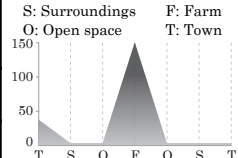
Z45	Observation		Tendency of Zone/Boundary							
	Situation Zama 2017/07/29 12:25 PM Gender 男性 Age 51 歳以上		Zone			Boundary				
			Stay Approach Cross	L: 0.1 m - 0.6 m M: 0.6 m - 0.9 m H: 0.9 m - 1.8 m	Opaque Porous	Level change Material change	Height		Floor	
							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
External motivation		View analysis and rating								
Company	一人で	Fisheye projection 	Components		Preferences					
Frequency	初めての訪問		<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment						
Distance	15分~30分の距離									
Know this place from	この領域に住んでいるから									
Activity	Time spent (min)									
イベント参加	S: Surroundings F: Farm O: Open space T: Town 									
Impression	とてもよい									
Z46	Observation		Tendency of Zone/Boundary							
	Situation Zama 2017/07/29 12:27 PM Gender 女性 Age 20 ~ 35 歳		Zone			Boundary				
			Stay Approach Cross	L: 0.1 m - 0.6 m M: 0.6 m - 0.9 m H: 0.9 m - 1.8 m	Opaque Porous	Level change Material change	Height		Floor	
							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
External motivation		View analysis and rating								
Company	友人・同僚と	Fisheye projection 	Components		Preferences					
Frequency	初めての訪問		<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Building <input type="checkbox"/> Landscape <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Floor <input type="checkbox"/> Farm <input type="checkbox"/> Landscape <input type="checkbox"/> Built environment						
Distance	1時間以上かかる距離									
Know this place from	ここでのイベントに参加したから									
Activity	Time spent (min)									
家族とお出かけ; 自然を楽しむため	S: Surroundings F: Farm O: Open space T: Town 									
Impression	どちらでもない									




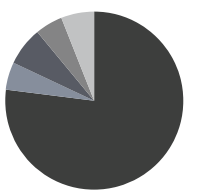
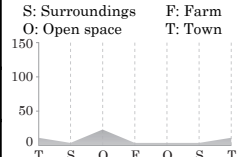
Z47		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Zama			Stay	Approach	Cross	Height			Texture	Floor	
2017/07/29 12:28 PM						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Gender	女性										
Age	20 ~ 35 歳										
			<input type="radio"/>			<input type="radio"/>			<input type="radio"/>		<input type="radio"/>
External motivation		View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences			
Frequency	それ以下		<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape	<input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment	<input type="checkbox"/> Floor <input type="checkbox"/> Landscape					
Distance	駅のすぐ近く										
Know this place from	この領域に住んでいるから										
Activity	Time spent (min)										
家族でのお出かけ	S: Surroundings F: Farm O: Open space T: Town 										
Impression	とてもよい										

Z48		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Zama			Stay	Approach	Cross	Height			Texture	Floor	
2017/07/29 12:32 PM						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
Gender	男性										
Age	36 ~ 50 歳										
			<input type="radio"/>	<input type="radio"/>				<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
External motivation		View analysis and rating									
Company	家族と	Fisheye projection			Components			Preferences			
Frequency	初めての訪問		<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Landscape	<input type="checkbox"/> Floor <input type="checkbox"/> Building <input type="checkbox"/> Furniture	<input type="checkbox"/> Sky <input type="checkbox"/> Farm <input type="checkbox"/> Built environment	<input type="checkbox"/> Floor <input type="checkbox"/> Landscape					
Distance	30分~1時間の距離										
Know this place from	インスタグラム、フェイスブック、ツイッターなど										
Activity	Time spent (min)										
菜園で作物を育てるため	S: Surroundings F: Farm O: Open space T: Town 										
Impression	悪い										

Z49	Observation		Tendency of Zone/Boundary								
	Situation		Zone			Boundary					
			Stay	Approach	Cross	Height	Texture	Floor			
Zama											
2017/07/29 12:37 PM											
Gender	女性										
Age	36 ~ 50 歳										
External motivation		View analysis and rating									
Company	家族と	Fisheye projection		Components		Preferences					
Frequency	それ以下										
Distance	駅のすぐ近く										
Know this place from	この領域に住んでいるから										
Activity	Time spent (min)										
イベント参加											
Impression	とてもよい										

Z50	Observation		Tendency of Zone/Boundary								
	Situation		Zone			Boundary					
			Stay	Approach	Cross	Height	Texture	Floor			
Zama											
2017/07/29 12:40 PM											
Gender	女性										
Age	36 ~ 50 歳										
External motivation		View analysis and rating									
Company	家族と	Fisheye projection		Components		Preferences					
Frequency	初めての訪問										
Distance	15分~30分の距離										
Know this place from	友人や知人から										
Activity	Time spent (min)										
家族でのお出かけ											
Impression	とてもよい										

Z51	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/29 12:41 PM												
Gender												
男性												
Age												
51 歳以上												
External motivation		View analysis and rating										
Company	家族と	Fisheye projection			Components			Preferences				
Frequency	それ以下				Distance		Know this place from		Activity		Time spent (min)	
Distance	15 分 ~ 30 分の距離				ここでのイベントに参加したから		イベント参加		S: Surroundings F: Farm O: Open space T: Town			
Know this place from	ここでのイベントに参加したから				Impression		とてもよい					
Activity	Time spent (min)	とてもよい		とてもよい								
イベント参加		とてもよい		とてもよい								
Impression		とてもよい		とてもよい								
とてもよい		とてもよい		とてもよい								

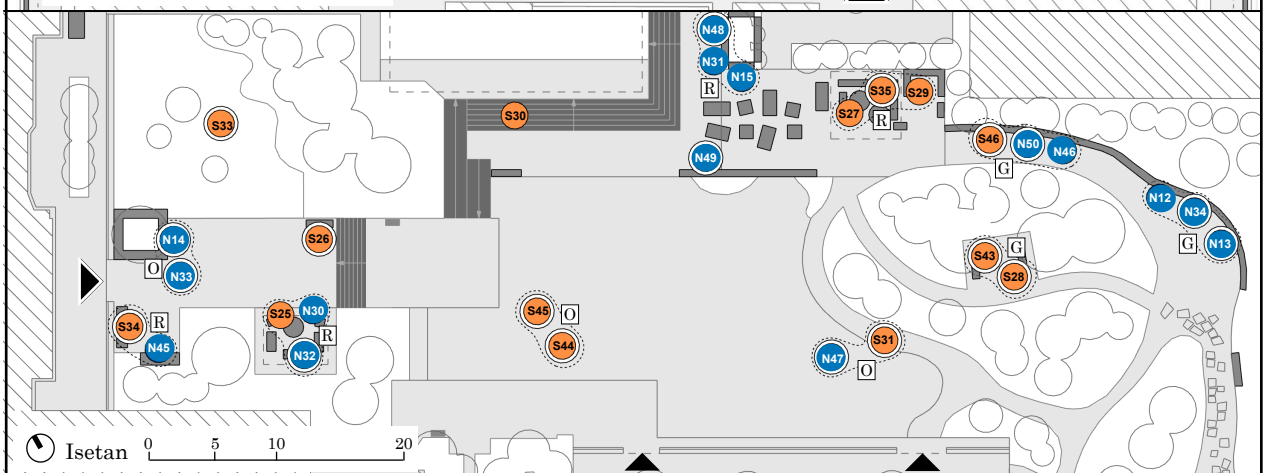
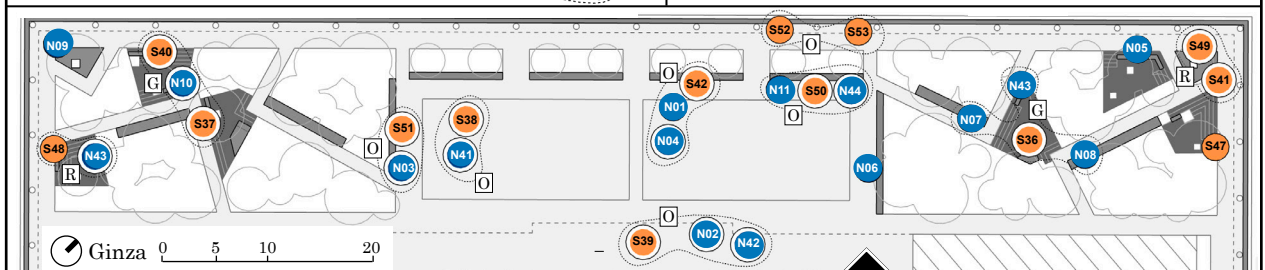
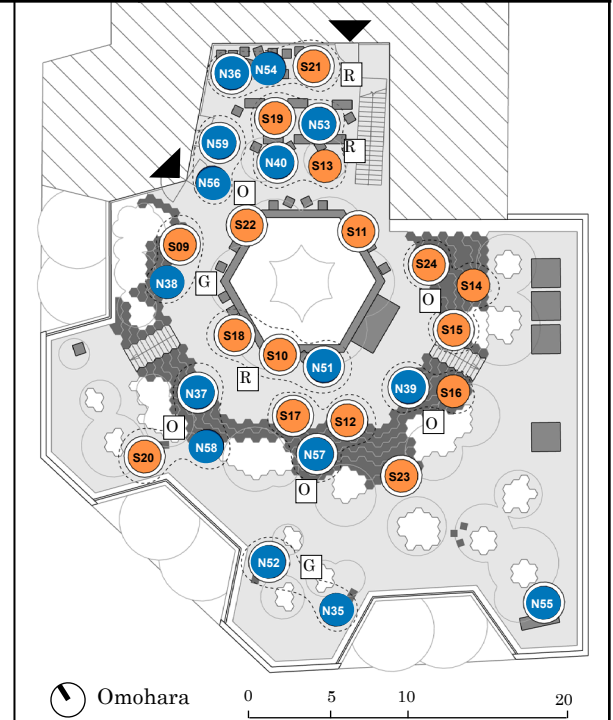
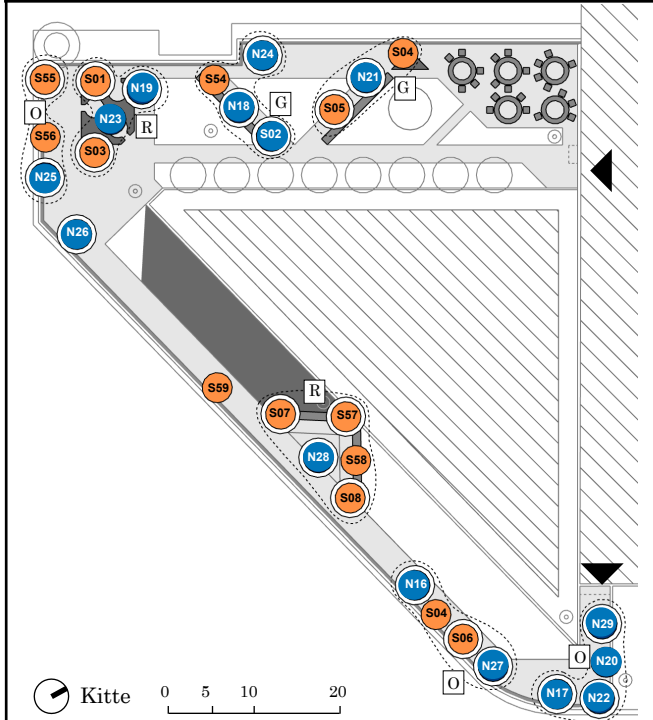
Z52	Observation		Tendency of Zone/Boundary									
	Situation		Zone			Boundary						
			Stay	Approach	Cross	Height	Texture	Floor				
Zama						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
2017/07/29 12:46 PM												
Gender												
男性												
Age												
36 ~ 50 歳												
External motivation		View analysis and rating										
Company	一人で	Fisheye projection			Components			Preferences				
Frequency	それ以下				Distance		Know this place from		Activity		Time spent (min)	
Distance	駅のすぐ近く				この領域に住んでいるから		休憩(運動、ショッピングの後)		S: Surroundings F: Farm O: Open space T: Town			
Know this place from	この領域に住んでいるから				Impression		とてもよい					
Activity	Time spent (min)	とてもよい		とてもよい								
休憩(運動、ショッピングの後)		とてもよい		とてもよい								
Impression		とてもよい		とてもよい								
とてもよい		とてもよい		とてもよい								

Appendix

Chapter 4 Questionnaire, survey map and simulation Datasheet of users in Kitte-Ginza-Omohara-Isetan

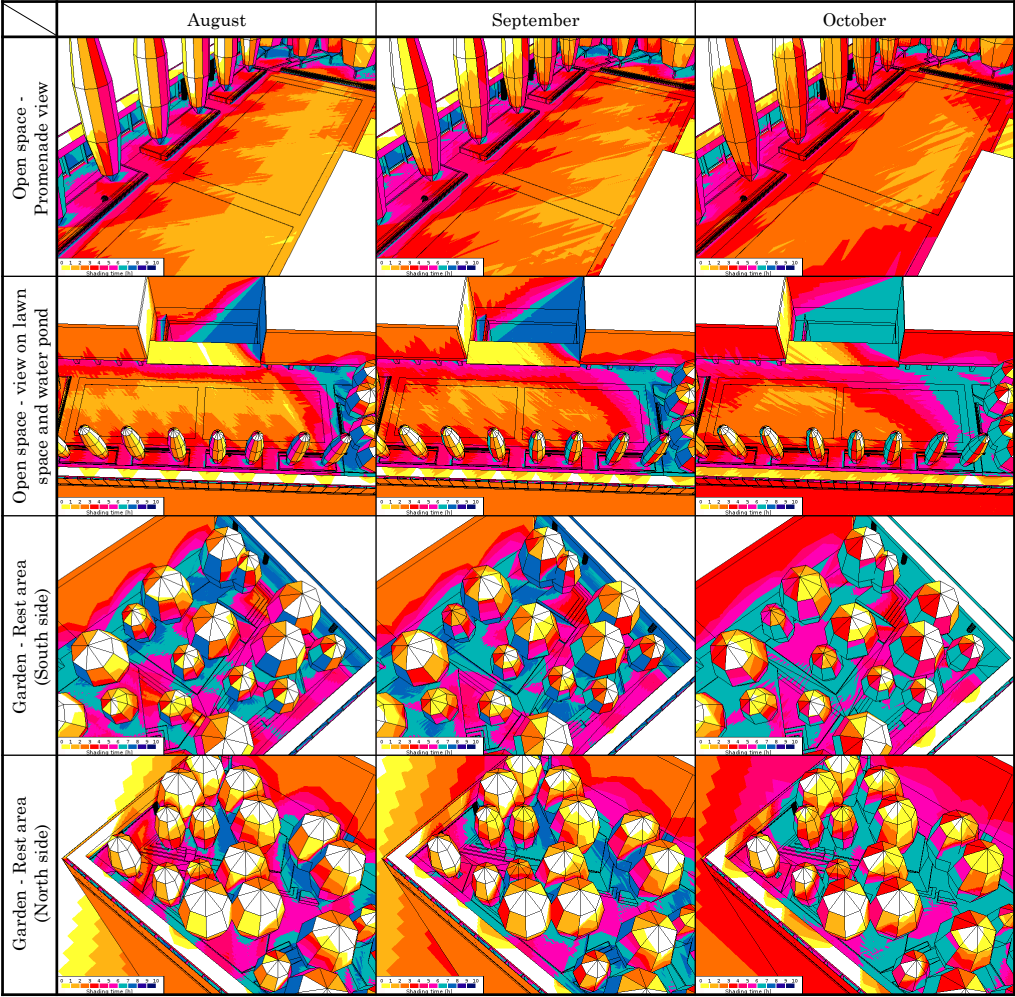
SURVEY MAP

Zone classification	Boundary classification	Sample classification
<ul style="list-style-type: none"> ▲ Access to the RG □ Walkable zone (include open space, garden and resting area) □ Non walkable zone (zone not open for public, flowerbeds,...) ▨ Out of study perimeter (indoor zone, non accessible zone...) 	<ul style="list-style-type: none"> — $h < 0.1\text{m}$ (the floor have different level or covering material) ■ $0.1 < h < 0.6\text{m}$ (stair, bench without backrest...) ■ $0.6 < h < 2\text{m}$ (chair, table, bench with backrest...) ≡ $h > 2\text{m}$ (fence/glass wall with porosity or transparency) ○ $h > 2\text{m}$ (trees, parasol, column...) 	<ul style="list-style-type: none"> ● S** : sample found on sunny day ● N** : sample found on no sun day ● Sample found alone (1 person) ● Sample found in group (> 1 person) <p> Grouping samples in same zone/ boundary </p> <ul style="list-style-type: none"> G: samples in Garden area O: samples in Open space R: samples in Rest area

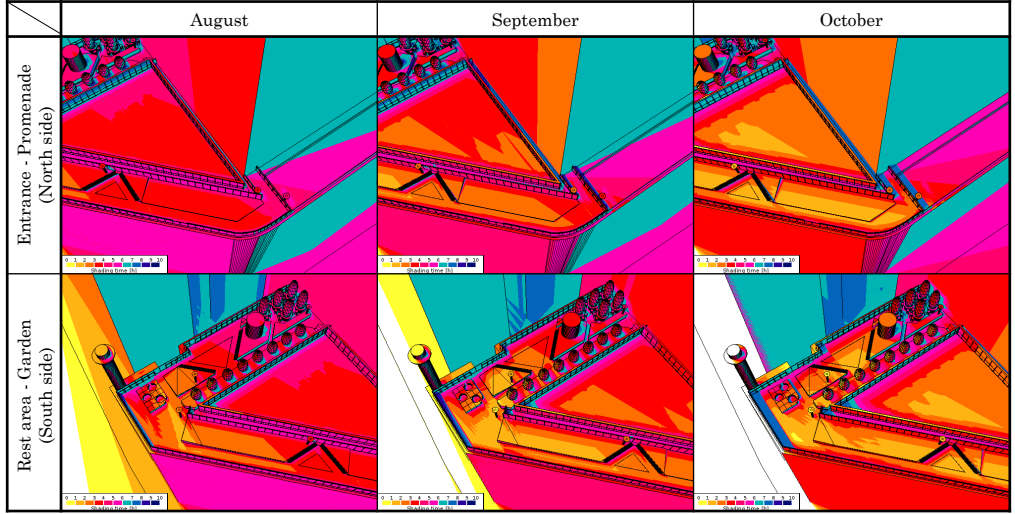


SHADING SIMULATION

GINZA

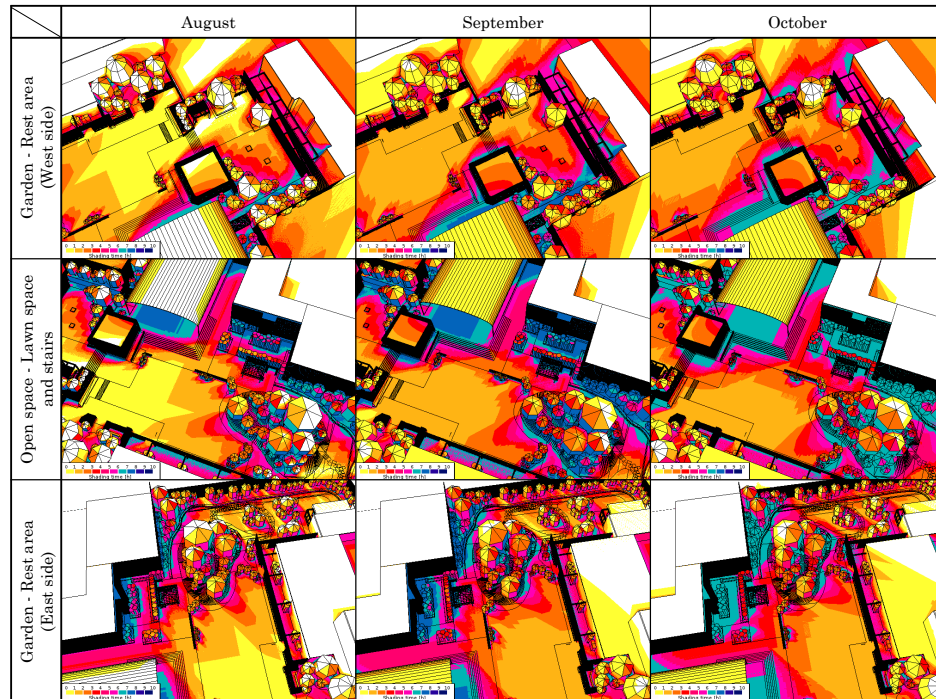


KITTE

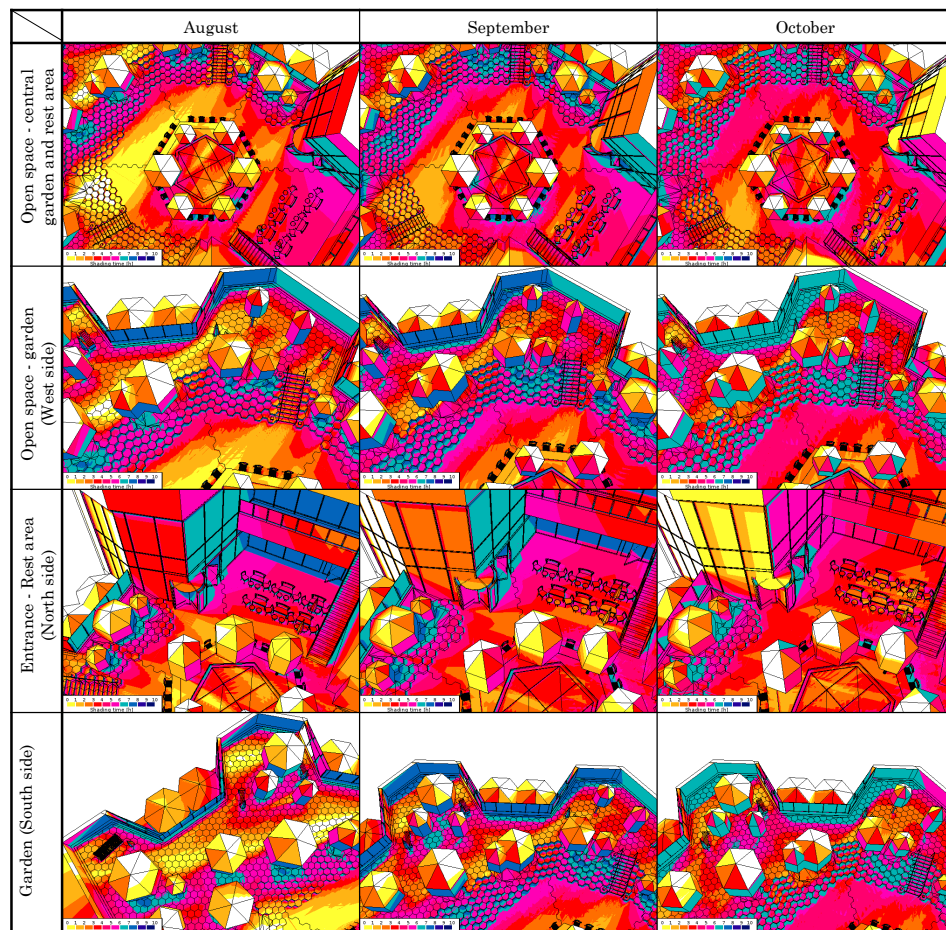


SHADING SIMULATION

OMOHARA

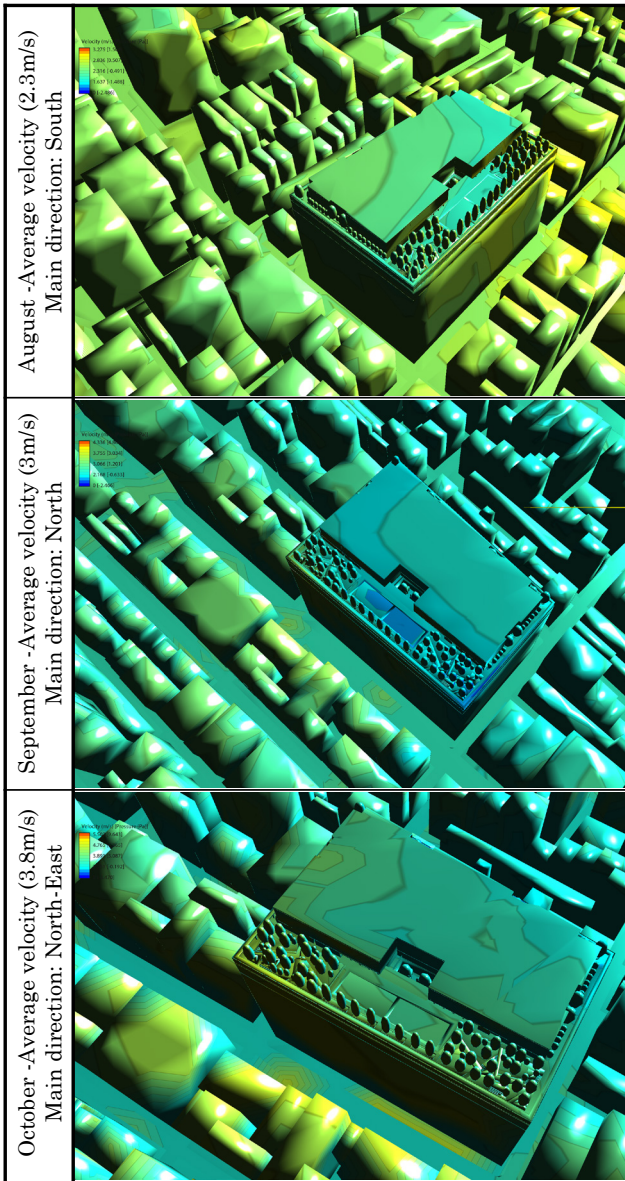


ISETAN

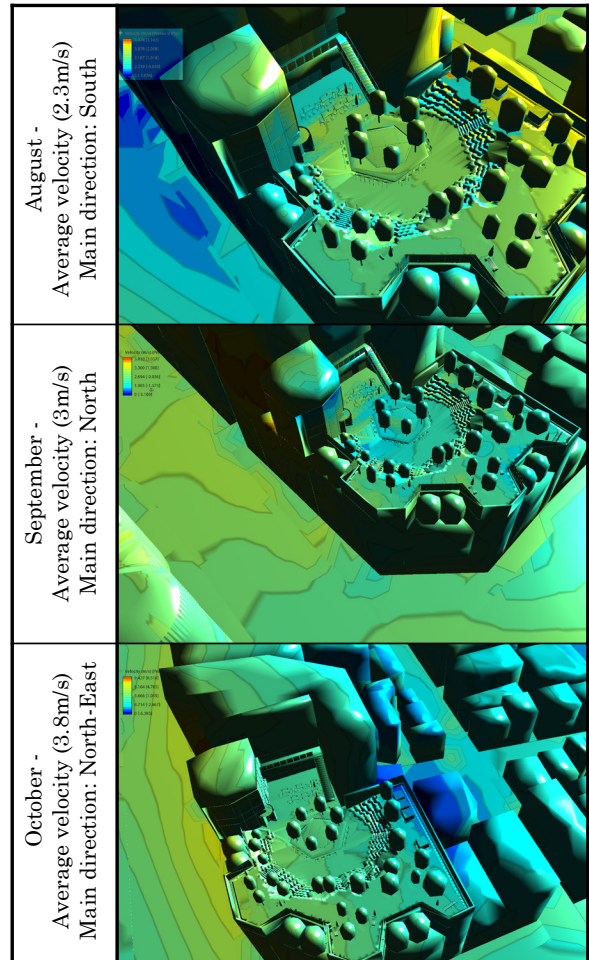


WIND SIMULATION

GINZA

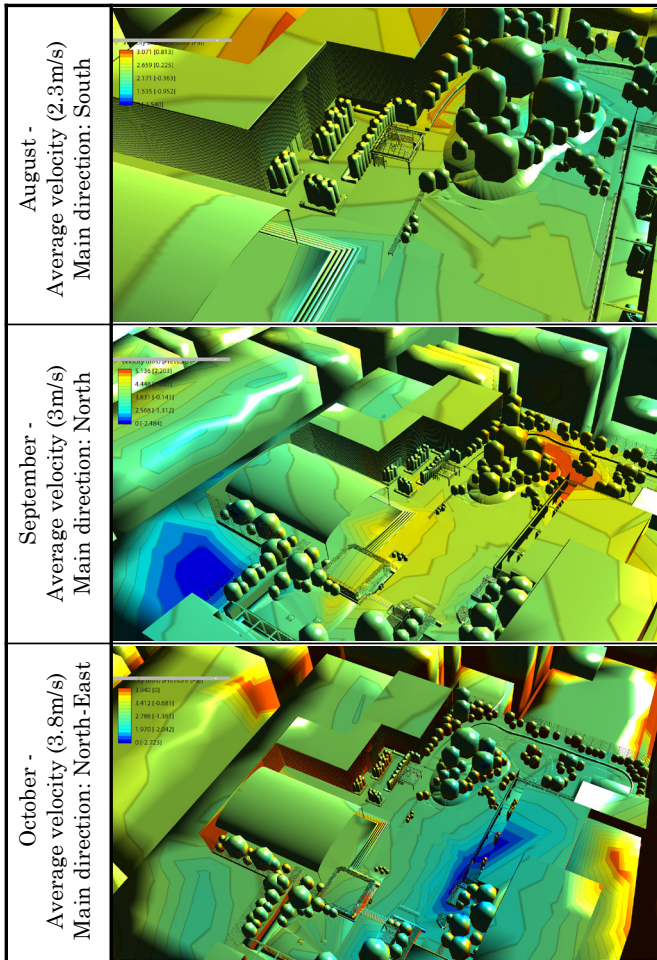


OMOHARA

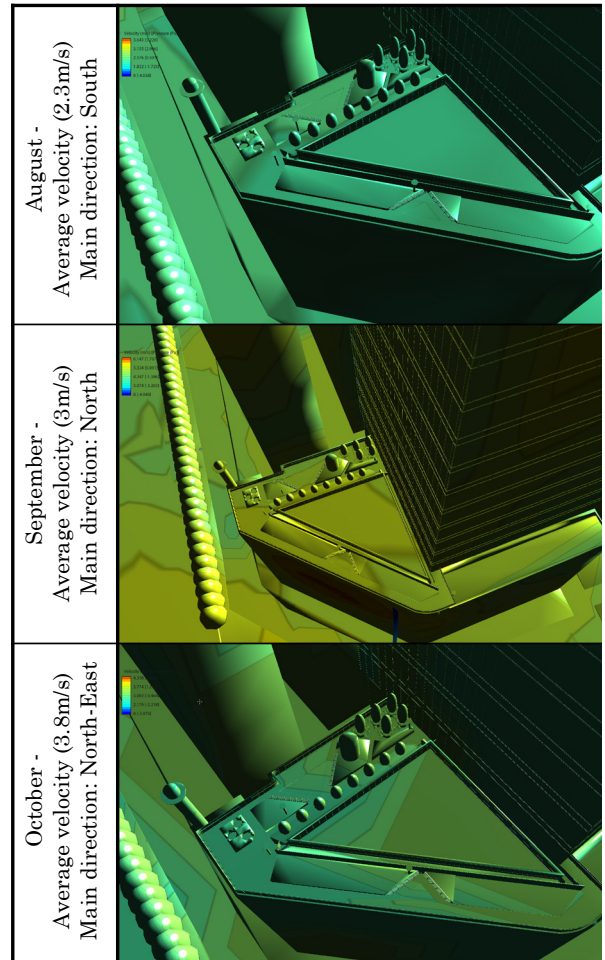






WIND SIMULATION




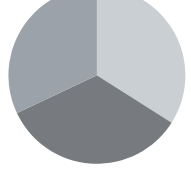
ISETAN



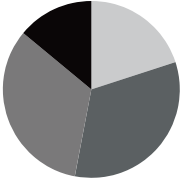
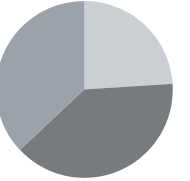

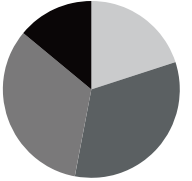
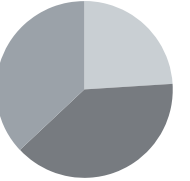









KITTE











N01-G09		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Ginza							Stay	Approach	Cross	Height		Texture
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous	Level change
芝生												
2018/8/7 11:23 AM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車											
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど											
Activity	Weather Aug_Sep_Oct			Average:4.5								
自然を楽しむため	Shading time (h)			4/4/4								
Impression	Wind flow (m/s)			Average:2.7								
とてもよい		1.4/2.3/4										



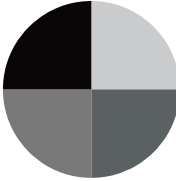
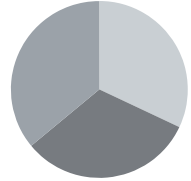
N02-G01		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Ginza							Stay	Approach	Cross	Height		Texture
Rainy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous	Level change
芝生												
2018/8/7 11:41 AM												
Gender												
女性												
Age												
61 歳以上												
External motivation		View		Opinion & rating								
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	徒歩, 自転車など											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct			Average:4.5								
自然を楽しむため	Shading time (h)			4/5/5								
Impression	Wind flow (m/s)			Average:2.7								
素晴らしい		1.8/1.8/3.6										




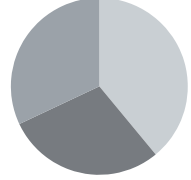
N03-G02		Observation		Tendency of Zone/Boundary								
Situation			Zone			Boundary						
Ginza			Stay	Approach	Cross	Height			Texture	Floor		
Rainy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
芝生												
2018/8/7 11:54 AM												
Gender	女性											
Age	30歳未満											
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
First time visit	初めての訪問											
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため; 上から東京駅を見たかった為	Shading time (h)	Average:4.5 7/7/6										
Impression	Wind flow (m/s)	Average:2.7 1.4/1.8/3.9										
とてもよい												



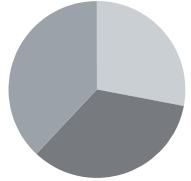

N04-G03		Observation		Tendency of Zone/Boundary								
Situation			Zone			Boundary						
Ginza			Stay	Approach	Cross	Height			Texture	Floor		
Cloudy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
芝生												
2018/8/7 12:01 PM												
Gender	女性											
Age	30歳未満											
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
First time visit	初めての訪問											
Transport	バスまたは電車											
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため	Shading time (h)	Average:4.5 3/3/3										
Impression	Wind flow (m/s)	Average:2.7 1.8/2.1/3.5										
素晴らしい												

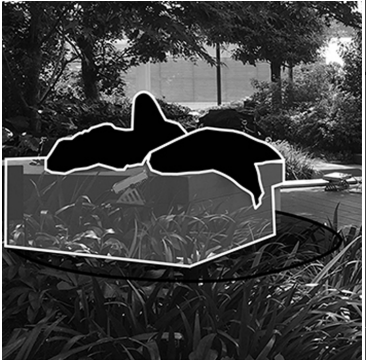

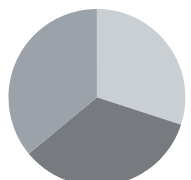

N05-G04		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Ginza							Stay	Approach	Cross	Height	
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
庭園				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
2018/8/7 12:12 PM				Gender		Opinion & rating		on Activity		on View	
男性				友人・同僚と		View		Easy to use		Scenery (Panorama, vegetations)	
Age		初めての訪問		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		Can meet others		Affected by weather (Furnitures, people)			
30 ~ 60 歳		バスまたは電車		<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		Possible for optional activities		Landscape (Sign, entrance, pavement)			
External motivation		Weather Aug_Sep_Oct									
Company		Average:4.5		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
First time visit		Shading time (h)									
Transport		Average:2.7									
Know this place from		Wind flow (m/s)									
Activity		2.1/3.8/4.7									
屋食と休憩 (運動、ショッピングの後)		とてもよい									




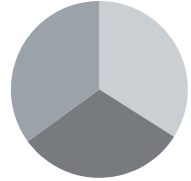
N06-G05		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Ginza							Stay	Approach	Cross	Height	
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
庭園; 休息エリア				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
2018/8/7 12:20 PM				Gender		Opinion & rating		on Activity		on View	
男性				一人で		View		Easy to use		Scenery (Panorama, vegetations)	
Age		初めての訪問		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		Can meet others		Affected by weather (Furnitures, people)			
30 ~ 60 歳		バスまたは電車		<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		Possible for optional activities		Landscape (Sign, entrance, pavement)			
External motivation		Weather Aug_Sep_Oct									
Company		Average:4.5		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
First time visit		Shading time (h)									
Transport		Average:2.7									
Know this place from		Wind flow (m/s)									
Activity		1.4/2.1/4									
屋食と休憩 (運動、ショッピングの後)		とてもよい									



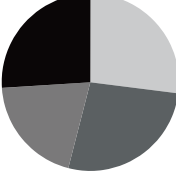

N07-G06		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Ginza				Stay	Approach	Cross	Height			Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
庭園													
2018/8/7 2:32 PM													
Gender													
女性													
Age													
30 ~ 60 歳													
External motivation			View			Opinion & rating							
Company		一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View			
First time visit		初めての訪問					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		徒歩, 自転車など											
Know this place from		友人や知人から											
Activity		Weather Aug_Sep_Oct											
屋食と休憩 (運動、ショッピングの後); 自然を楽しむため		Shading time (h)										Average:4.5 6/7/7	
Impression		Wind flow (m/s)										Average:2.7 1.7/2.1/3.7	
とてもよい													

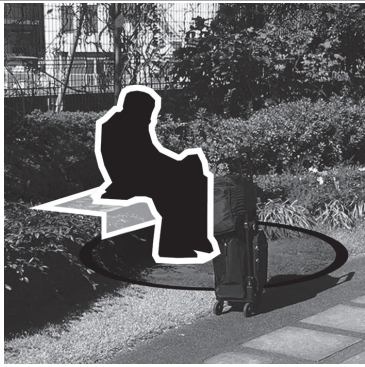


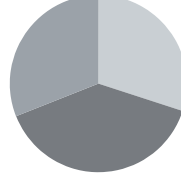
N08-G07		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Ginza				Stay	Approach	Cross	Height			Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
庭園													
2018/8/7 2:44 PM													
Gender													
女性													
Age													
30 ~ 60 歳													
External motivation			View			Opinion & rating							
Company		一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View			
First time visit		初めての訪問					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		バスまたは電車											
Know this place from		広告, インスタグラム, フェイスブック, ツイッターなど											
Activity		Weather Aug_Sep_Oct											
屋食と休憩 (運動、ショッピングの後)		Shading time (h)										Average:4.5 5/6/7	
Impression		Wind flow (m/s)										Average:2.7 2.8/2.4/3.5	
とてもよい													





N09-G08		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Ginza							Stay	Approach	Cross	Height	
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
休息エリア				2018/8/7		3:13 PM		Gender		Age	
女性				30 ~ 60 歳							
External motivation			View		Opinion & rating						
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車										
Know this place from	この地域を頻繁に通るから										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)			Average:4.5							
		6/6/6									
Impression	Wind flow (m/s)	Average:2.7									
どちらでもない		2.8/0.3/3.9									




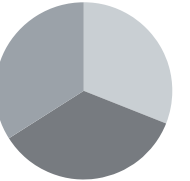
N10-G10		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Ginza							Stay	Approach	Cross	Height	
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
庭園; 休息エリア				2018/8/7		3:25 PM		Gender		Age	
女性				30 歳未満							
External motivation			View		Opinion & rating						
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車										
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど										
Activity	Weather Aug_Sep_Oct										
自然を楽しむため	Shading time (h)			Average:4.5							
		3/5/6									
Impression	Wind flow (m/s)	Average:2.7									
とてもよい		1.6/0.3/3.9									





N11-G11		Observation		Tendency of Zone/Boundary												
Situation			Zone			Boundary										
Ginza	Cloudy		Stay	Approach	Cross	Height			Texture	Floor						
芝生	2018/8/7 3:34 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change				
Gender	男性															
Age	30-60															
External motivation			View			Opinion & rating										
Company	一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View							
First time visit	初めての訪問					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車															
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど															
Activity	Weather Aug_Sep_Oct															
自然を楽しむため	Shading time (h)	Average:4.5														
		4/4/4														
Impression	Wind flow (m/s)	Average:2.7														
素晴らしい		1.4/2.1/4														




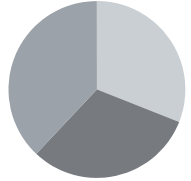






N12-I27		Observation		Tendency of Zone/Boundary												
Situation			Zone			Boundary										
Isetan	Cloudy		Stay	Approach	Cross	Height			Texture	Floor						
庭園	2018/9/17 2:17 PM					L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change				
Gender	女性															
Age	61 歳以上															
External motivation			View			Opinion & rating										
Company	家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View							
First time visit	週末のみ以下					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車															
Know this place from	この地域を頻繁に通るから															
Activity	Weather Aug_Sep_Oct															
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5														
		4/5/6														
Impression	Wind flow (m/s)	Average:2.7														
とてもよい		2.2/2.7/3.8														



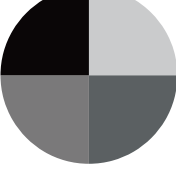
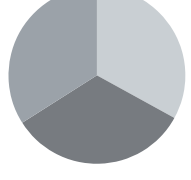

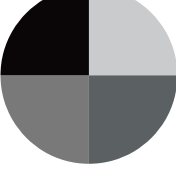
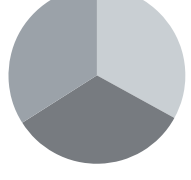

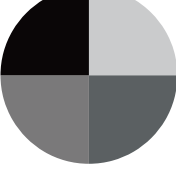
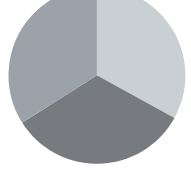
N13-I28		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan							Stay	Approach	Cross	Height		Texture
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous	Level change
The garden				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
2018/9/17 2:25 PM												
Gender												
Female												
Age												
Over 60												
External motivation			View		Opinion & rating							
Company	Alone		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	Few times a week				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	Walking, Cycling,...											
Know this place from	Looking for place to rest											
Activity	Weather Aug_Sep_Oct											
Enjoying the nature	Shading time (h)	Average:4.5										
		7/7/7										
Impression	Wind flow (m/s)	Average:2.7										
Good		2.6/3.2/3.8										

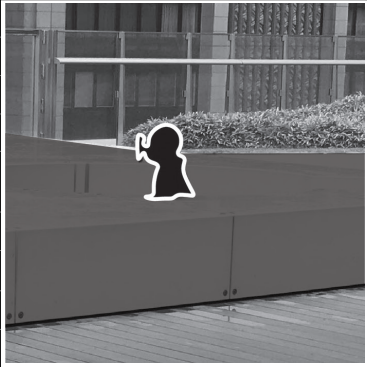





N14-I29		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan							Stay	Approach	Cross	Height		Texture
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous	Level change
The garden				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
2018/9/17 3:12 PM												
Gender												
Female												
Age												
30-60												
External motivation			View		Opinion & rating							
Company	Friends		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	First time				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	By public transport											
Know this place from	From advertisement, social media											
Activity	Weather Aug_Sep_Oct											
Enjoying the nature	Shading time (h)	Average:4.5										
		4/5/6										
Impression	Wind flow (m/s)	Average:2.7										
Good		2.2/2.7/3.8										

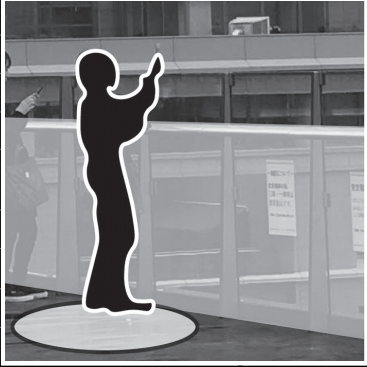

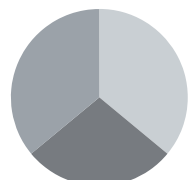


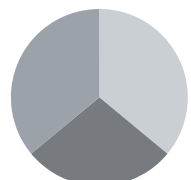
N15-I30		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Isetan				Stay	Approach	Cross	Height		Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The rest area												
2018/9/17 3:16 PM												
Gender												
Female												
Age												
30-60												
External motivation			View		Opinion & rating							
Company	With family		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	First time				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	By public transport											
Know this place from	From advertisement, social media											
Activity	Weather Aug_Sep_Oct											
Have lunch and break	Shading time (h)	Average:4.5 4/5/5										
Impression	Wind flow (m/s)	Average:2.7 2.2/3.2/4.5										
Good												



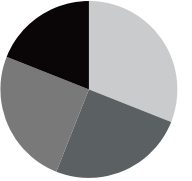
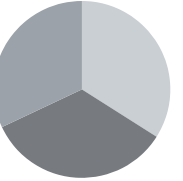
N16-K18		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Kitte				Stay	Approach	Cross	Height		Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The promenade												
2018/9/19 11:06 AM												
Gender												
Female												
Age												
30-60												
External motivation			View		Opinion & rating							
Company	Friends		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	First time				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	Walking, Cycling,...											
Know this place from	From advertisement, social media											
Activity	Weather Aug_Sep_Oct											
See the train	Shading time (h)	Average:4.5 5/5/5										
Impression	Wind flow (m/s)	Average:2.7 2.5/4/3										
Good												



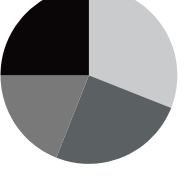
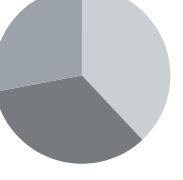
N17-K19		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Kitte				Stay	Approach	Cross	Height			Texture	Floor		
Rainy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
芝生;庭園													
2018/9/19 11:16 AM													
Gender													
男性													
Age													
30 ~ 60 歳													
External motivation		View		Opinion & rating									
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View						
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	徒歩, 自転車など												
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど												
Activity	Weather Aug_Sep_Oct												
自然を楽しむため; 上から東京駅を見たかった為	Shading time (h)											Average:4.5 5/4/3	
Impression	Wind flow (m/s)												
とてもよい	Average:2.7 2.5/4/2.5												


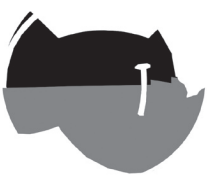
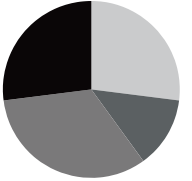
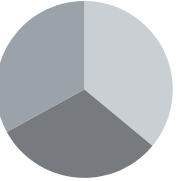
N18-K20		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Kitte				Stay	Approach	Cross	Height			Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
庭園													
2018/9/19 11:24 AM													
Gender													
女性													
Age													
30 歳未満													
External motivation		View		Opinion & rating									
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View						
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	バスまたは電車												
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど												
Activity	Weather Aug_Sep_Oct												
屋食と休憩 (運動、ショッピングの後)	Shading time (h)											Average:4.5 5/5/5	
Impression	Wind flow (m/s)												
素晴らしい	Average:2.7 2.5/4/3												



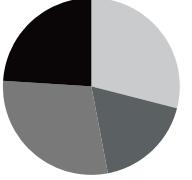

N19-K21		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Kitte			Stay	Approach	Cross	Height			Texture	Floor	
Rainy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア											
2018/9/19 11:54 AM											
Gender											
女性											
Age											
30歳未満											
External motivation			View		Opinion & rating						
Company	家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View			
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport	バスまたは電車										
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5 5/4/3									
Impression	Wind flow (m/s)	Average:2.7 2.5/4/3									
素晴らしい											








N20-K15		Observation		Tendency of Zone/Boundary							
Situation			Zone			Boundary					
Kitte			Stay	Approach	Cross	Height			Texture	Floor	
Rainy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The entrance											
2018/9/19 12:02 PM											
Gender											
Female											
Age											
Over 60											
External motivation			View		Opinion & rating						
Company	Alone		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View			
First time visit	First time				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport	Walking, Cycling...										
Know this place from	From other people										
Activity	Weather Aug_Sep_Oct										
Enjoying the view	Shading time (h)	Average:4.5 5/4/3									
Impression	Wind flow (m/s)	Average:2.7 2.3/4/3									
Good											


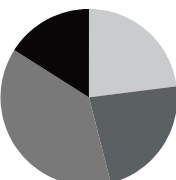
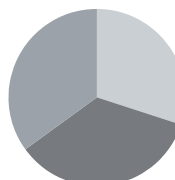
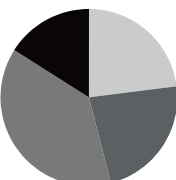
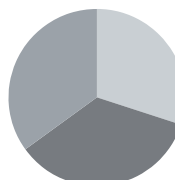

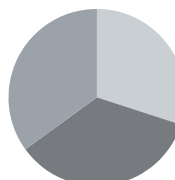
N21-K22		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Kitte	Stay Approach Cross			L: 0.1 m - 0.6 m M: 0.6 m - 0.9 m H: 0.9 m - 1.8 m	Opaque Porous	Level change Material change	Height		Texture		Floor	
Cloudy							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
庭園												
2018/9/19 12:06 PM	Gender			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
女性												
Age	30 ~ 60 歳			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど											
Activity	Weather Aug_Sep_Oct											
家族とお出かけ	Shading time (h)	Average:4.5										
		4/3/2										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.3/4/2.5										



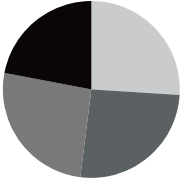
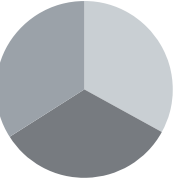
N22-K16		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Kitte	Stay Approach Cross			L: 0.1 m - 0.6 m M: 0.6 m - 0.9 m H: 0.9 m - 1.8 m	Opaque Porous	Level change Material change	Height		Texture		Floor	
Cloudy							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
芝生												
2018/9/19 12:12 PM	Gender			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
男性												
Age	30 ~ 60 歳			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
友人と会うため; 自然を楽しむため	Shading time (h)	Average:4.5										
		5/4/3										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.3/4/2.5										



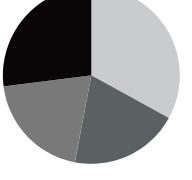

N23-K23		Observation		Tendency of Zone/Boundary											
Situation			Zone			Boundary									
Kitte	Cloudy 休息エリア 2018/9/19 12:16 PM Gender 男性 Age 30 ~ 60 歳		Stay	Approach	Cross	Height		Texture	Floor						
						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	Opaque	Level change						
						H: 0.9 m - 1.8 m	Porous			Material change					
External motivation			View		Opinion & rating										
Company			一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View					
First time visit			一週間に数回			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport		徒歩, 自転車など													
Know this place from	この地域を頻繁に通るから														
Activity	Weather Aug_Sep_Oct														
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5													
		5/4/3													
Impression	Wind flow (m/s)	Average:2.7													
		2.5/2.1/6.8													





N24-K24		Observation		Tendency of Zone/Boundary											
Situation			Zone			Boundary									
Kitte	Cloudy 庭園 2018/9/19 12:20 PM Gender 男性 Age 30 ~ 60 歳		Stay	Approach	Cross	Height		Texture	Floor						
						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	Opaque	Level change						
						H: 0.9 m - 1.8 m	Porous			Material change					
External motivation			View		Opinion & rating										
Company			家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View					
First time visit			初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport		バスまたは電車													
Know this place from	この地域を頻繁に通るから														
Activity	Weather Aug_Sep_Oct														
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5													
		5/5/5													
Impression	Wind flow (m/s)	Average:2.7													
		3/2.8/6.8													


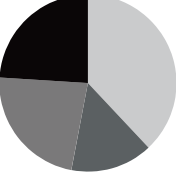
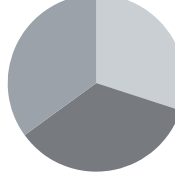

N25-K17		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Kitte				Stay	Approach	Cross	Height			Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生												
2018/9/19 12:24 PM												
Gender												
男性												
Age												
61 歳以上												
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため； 上から東京駅を見た かった為	Shading time (h)			Average:4.5								
				3/2/3								
Impression	Wind flow (m/s)	Average:2.7										
どちらでもない		3.2/1.9/6.8										



N26-K25		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Kitte				Stay	Approach	Cross	Height			Texture	Floor	
Rainy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生												
2018/9/19 12:27 PM												
Gender												
男性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
屋食と休憩 (運動、 ショッピングの後)； 駅舎を見るため	Shading time (h)			Average:4.5								
				4/3/3								
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		3/2.8/6.8										



N27-K26		Observation		Tendency of Zone/Boundary								
Situation			Zone			Boundary						
Kitte			Stay	Approach	Cross	Height		Texture	Floor			
Cloudy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
芝生												
2018/9/19 12:55 PM												
Gender	女性											
Age	30歳未満											
External motivation		View		Opinion & rating								
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
First time visit	初めての訪問											
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため	Shading time (h)	Average:4.5										
		6/6/5										
Impression	Wind flow (m/s)	Average:2.7										
素晴らしい		3/2.8/6.8										



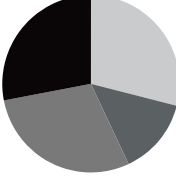

N28-K27		Observation		Tendency of Zone/Boundary								
Situation			Zone			Boundary						
Kitte			Stay	Approach	Cross	Height		Texture	Floor			
Cloudy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
休息エリア												
2018/9/19 1:02 PM												
Gender	男性											
Age	30 ~ 60歳											
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
First time visit	初めての訪問											
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
上から東京駅を見たかった為	Shading time (h)	Average:4.5										
		5/5/4										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.2/2.4/6.8										




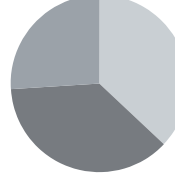
N29-K28		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Kitte	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	Height			Texture		Floor		
Cloudy						Stay	Approach	Cross	L: 0.1 m - 0.6 m M: 0.6 m - 0.9 m H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
芝生 ; 庭園													
2018/9/19 1:15 PM													
Gender	男性												
Age	30 ~ 60 歳												
External motivation		View		Opinion & rating									
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View					
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車												
Know this place from	この地域を頻繁に通るから												
Activity	Weather Aug_Sep_Oct			Average:4.5									
自然を楽しむため ; 上から東京駅を見たかった為	Shading time (h)			3/3/2									
Impression	Wind flow (m/s)			Average:2.7									
とてもよい	2.2/3/6.8												

N30-I16		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Isetan	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	Height			Texture		Floor		
Cloudy						Stay	Approach	Cross	L: 0.1 m - 0.6 m M: 0.6 m - 0.9 m H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
芝生 ; 庭園													
2018/10/5 11:04 AM													
Gender	男性												
Age	30 ~ 60 歳												
External motivation		View		Opinion & rating									
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View					
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	徒歩, 自転車など												
Know this place from	この地域を頻繁に通るから												
Activity	Weather Aug_Sep_Oct			Average:4.5									
屋食と休憩 (運動、ショッピングの後)	Shading time (h)			4/4/5									
Impression	Wind flow (m/s)			Average:2.7									
とてもよい	2/2.8/5												

N31-I17		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Isetan							Stay	Approach	Cross	Height	
Cloudy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
休息エリア				○			○	○	○	○	
2018/10/5 11:14 AM											
Gender											
女性											
Age											
30 ~ 60 歳											
External motivation			View		Opinion & rating						
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View			
First time visit	週末のみ以下					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)		
Transport	バスまたは電車										
Know this place from	この地域を頻繁に通るから										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5 2/2/3									
Impression	Wind flow (m/s)	Average:2.7 3.2/2.8/6.8									
とてもよい											




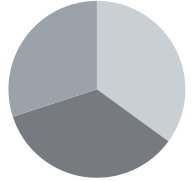
N32-I18		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Isetan							Stay	Approach	Cross	Height	
Rainy				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
休息エリア				○			○	○	○	○	
2018/10/5 11:24 AM											
Gender											
女性											
Age											
30 ~ 60 歳											
External motivation			View		Opinion & rating						
Company	家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View			
First time visit	週末のみ以下					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)		
Transport	バスまたは電車										
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5 7/7/6									
Impression	Wind flow (m/s)	Average:2.7 2.2/2.6/6.8									
どちらでもない											





N33-I19		Observation		Tendency of Zone/Boundary											
Situation				Zone			Boundary								
Isetan				Stay	Approach	Cross	Height			Texture	Floor				
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change		
芝生															
2018/10/5 11:32 AM															
Gender															
女性															
Age															
30 ~ 60 歳															
External motivation		View		Opinion & rating											
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View							
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車														
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど														
Activity	Weather Aug_Sep_Oct														
自然を楽しむため; 上から東京駅を見たかった為	Shading time (h)	Average:4.5													
		6/6/7													
Impression	Wind flow (m/s)	Average:2.7													
とてもよい		3.2/3.2/6.8													





N34-I20		Observation		Tendency of Zone/Boundary											
Situation				Zone			Boundary								
Isetan				Stay	Approach	Cross	Height			Texture	Floor				
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change		
庭園															
2018/10/5 11:45 AM															
Gender															
女性															
Age															
30 ~ 60 歳															
External motivation		View		Opinion & rating											
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View							
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	自動車														
Know this place from	この地域を頻繁に通るから														
Activity	Weather Aug_Sep_Oct														
昼食と休憩 (運動, ショッピングの後)	Shading time (h)	Average:4.5													
		1/2/3													
Impression	Wind flow (m/s)	Average:2.7													
とてもよい		3/2.9/6.8													



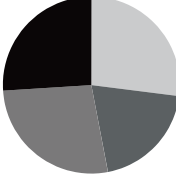
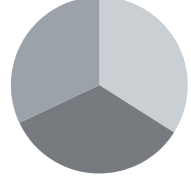
N35-O17		Observation		Tendency of Zone/Boundary								
Situation			Zone		Boundary							
Omohara			Stay	Approach	Cross	Height	Texture	Floor				
Rainy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
庭園												
2018/10/5 3:39 PM												
Gender												
女性												
Age												
一人で												
External motivation			View		Opinion & rating							
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity			on View					
First time visit	週末のみ以下				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	バスまたは電車											
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため; 上から東京駅を見たかった為	Shading time (h)	Average:4.5										
		6/6/6										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.6/3.2/4.3										



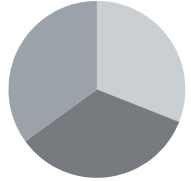
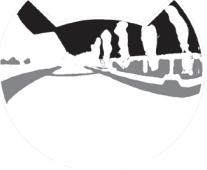

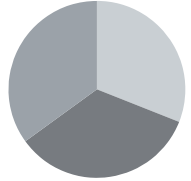
N36-O18		Observation		Tendency of Zone/Boundary								
Situation			Zone		Boundary							
Omohara			Stay	Approach	Cross	Height	Texture	Floor				
Rainy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
The rest area												
2018/10/5 3:44 PM												
Gender												
Male												
Age												
30-60												
External motivation			View		Opinion & rating							
Company	Alone		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity			on View					
First time visit	First time				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	By public transport											
Know this place from	From other people											
Activity	Weather Aug_Sep_Oct											
Have lunch and break	Shading time (h)	Average:4.5										
		5/7/7										
Impression	Wind flow (m/s)	Average:2.7										
Average		1.8/3.2/4.6										



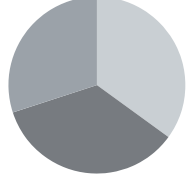


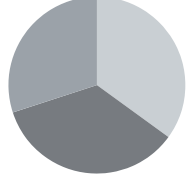
N37-O20		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Omohara				Stay	Approach	Cross	Height		Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The garden												
2018/10/5 4:13 PM												
Gender												
Male												
Age												
Over 61												
External motivation			View		Opinion & rating							
Company	Alone		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	Only weekend				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	Walking, Cycling,...											
Know this place from	We have been here before											
Activity	Weather Aug_Sep_Oct											
Have lunch and break	Shading time (h)	Average:4.5										
		3/4/3										
Impression	Wind flow (m/s)	Average:2.7										
Good		0/2.7/4.8										

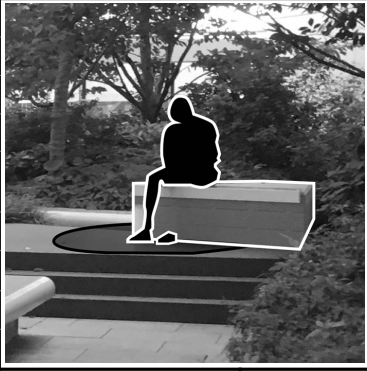
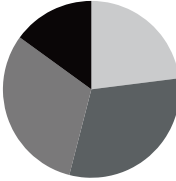
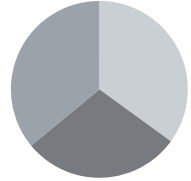

N38-O21		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Omohara				Stay	Approach	Cross	Height		Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園												
2018/10/5 4:29 PM												
Gender												
女性												
Age												
30歳未満												
External motivation			View		Opinion & rating							
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	徒歩, 自転車など											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		4/5/5										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.2/3.2/4.5										



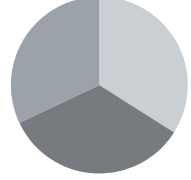

N39-O22		Observation		Tendency of Zone/Boundary										
Situation				Zone		Boundary								
Omohara				Stay	Approach	Cross	Height		Opaque	Porous	Level change	Material change		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m					H: 0.9 m - 1.8 m	
The garden														
2018/10/5 4:50 PM														
Gender														
Female														
Age														
30-60														
External motivation				View		Opinion & rating								
Company		With family		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit		First time				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport		By public transport												
Know this place from		I wanted to drink coffee												
Activity		Weather Aug_Sep_Oct												
Have lunch and break		Shading time (h)		Average:4.5										
		3/4/4												
Impression		Wind flow (m/s)		Average:2.7										
Excellent		2.2/2.7/3.2												


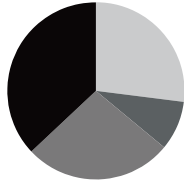
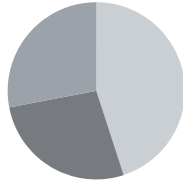

N40-O23		Observation		Tendency of Zone/Boundary										
Situation				Zone		Boundary								
Omohara				Stay	Approach	Cross	Height		Opaque	Porous	Level change	Material change		
Rainy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m					H: 0.9 m - 1.8 m	
休息エリア														
2018/10/5 5:01 PM														
Gender														
女性														
Age														
30歳未満														
External motivation				View		Opinion & rating								
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit		週末のみ以下				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport		バスまたは電車												
Know this place from		広告、インスタグラム、フェイスブック、ツイッターなど												
Activity		Weather Aug_Sep_Oct												
昼食と休憩 (運動、ショッピングの後)		Shading time (h)		Average:4.5										
		4/5/5												
Impression		Wind flow (m/s)		Average:2.7										
とてもよい		2.2/3.2/4.5												





N41-G12		Observation		Tendency of Zone/Boundary									
Situation			Zone		Boundary								
Ginza					Height		Texture		Floor				
Rainy			Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
芝生;庭園													
2018/10/17													
1:27 PM													
Gender	女性												
Age	61 歳以上												
External motivation			View		Opinion & rating								
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	初めての訪問	<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	自動車												
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど												
Activity	Weather Aug_Sep_Oct												
自然を楽しむため; 友人と会うため; 家族とのお出かけ	Shading time (h)											Average:4.5	4/4/5
Impression	Wind flow (m/s)											Average:2.7	2.2/3.2/5
素晴らしい													



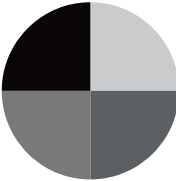

N42-G13		Observation		Tendency of Zone/Boundary									
Situation			Zone		Boundary								
Ginza					Height		Texture		Floor				
Cloudy			Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
The lawn space													
2018/10/17													
1:36 PM													
Gender	Male												
Age	30-60												
External motivation			View		Opinion & rating								
Company	Friends		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	First time	<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	Walking, Cycling,...												
Know this place from	From advertisement, social media												
Activity	Weather Aug_Sep_Oct												
Meeting, Enjoying the nature	Shading time (h)											Average:4.5	4/5/5
Impression	Wind flow (m/s)											Average:2.7	2.3/2.7/3.8
Good													





N43-G14		Observation		Tendency of Zone/Boundary							
Situation				Zone		Boundary					
Ginza				Stay	Approach	Cross	Height		Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous
The garden											
2018/10/17 1:43 PM											
Gender											
Male											
Age											
30-60											
External motivation		View		Opinion & rating							
Company	Friends	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	Walking, Cycling...										
Know this place from	From other people										
Activity	Weather Aug_Sep_Oct										
Enjoying the nature	Shading time (h)	Average:4.5 5/6/7									
	Impression	Average:2.7									
Average	Wind flow (m/s)	2.2/2.7/3.4									



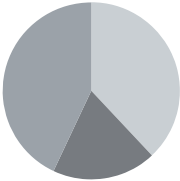

N44-G15		Observation		Tendency of Zone/Boundary							
Situation				Zone		Boundary					
Ginza				Stay	Approach	Cross	Height		Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous
The lawn space											
2018/10/17 1:50 PM											
Gender											
Female											
Age											
30 ~ 60 歳											
External motivation		View		Opinion & rating							
Company	Friends	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	By public transport										
Know this place from	From other people										
Activity	Weather Aug_Sep_Oct										
Enjoying the nature; Hangout	Shading time (h)	Average:4.5 7/7/7									
	Impression	Average:2.7									
Good	Wind flow (m/s)	2.6/3.2/3.8									





N45-I21		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan				Stay	Approach	Cross	Height			Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア												
2018/10/19												
1:50 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	徒歩, 自転車など											
Know this place from	偶然											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		5/5/5										
Impression	Wind flow (m/s)	Average:2.7										
どちらでもない		2.5/1.5/6.8										


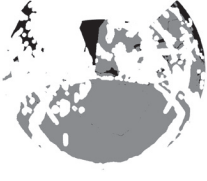
N46-I22		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan				Stay	Approach	Cross	Height			Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The garden												
2018/10/19												
1:58 PM												
Gender												
Male												
Age												
30-60												
External motivation		View		Opinion & rating								
Company	Alone	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	By public transport											
Know this place from	From advertisement, social media											
Activity	Weather Aug_Sep_Oct											
Have lunch and break	Shading time (h)	Average:4.5										
		5/5/4										
Impression	Wind flow (m/s)	Average:2.7										
Good		2.2/2.4/6.8										



N47-I23		Observation		Tendency of Zone/Boundary											
Situation		Zone		Boundary											
Isetan						Height		Texture	Floor						
Cloudy		Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change				
The lawn space															
2018/10/19 2:02 PM															
Gender															
Male															
Age															
30-60															
External motivation		View		Opinion & rating											
Company	With family	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View							
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	Walking, Cycling,...														
Know this place from	From other people														
Activity	Weather Aug_Sep_Oct														
Have lunch and break	Shading time (h)	Average:4.5													
		4/4/5													
Impression	Wind flow (m/s)	Average:2.7													
Good		1.4/1.8/3.9													



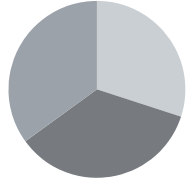

N48-I24		Observation		Tendency of Zone/Boundary											
Situation		Zone		Boundary											
Isetan						Height		Texture	Floor						
Cloudy		Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change				
The rest area															
2018/10/19 2:12 PM															
Gender															
Male															
Age															
30-60															
External motivation		View		Opinion & rating											
Company	Alone	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View							
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	By public transport														
Know this place from	by coincidence														
Activity	Weather Aug_Sep_Oct														
Have lunch and break	Shading time (h)	Average:4.5													
		4/4/4													
Impression	Wind flow (m/s)	Average:2.7													
Average		2.4/2.1/3.8													





N49-I25		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan				Stay	Approach	Cross	Height			Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The lawn space												
2018/10/19 2:29 PM												
Gender												
Female												
Age												
30-60												
External motivation		View		Opinion & rating								
Company	With family	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	By public transport											
Know this place from	From advertisement, social media											
Activity	Weather Aug_Sep_Oct											
To find food	Shading time (h)			Average:4.5								
				6/4/4								
Impression	Wind flow (m/s)	Average:2.7										
Good		3/2.1/2.9										




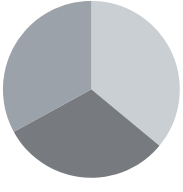
N50-I26		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan				Stay	Approach	Cross	Height			Texture	Floor	
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
The garden												
2018/10/19 2:42 PM												
Gender												
Female												
Age												
30-60												
External motivation		View		Opinion & rating								
Company	Friends	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	Only weekend			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	Walking, Cycling,...											
Know this place from	From other people											
Activity	Weather Aug_Sep_Oct											
Meeting; Enjoying the nature	Shading time (h)			Average:4.5								
				4/4/4								
Impression	Wind flow (m/s)	Average:2.7										
Excellent		1.4/2.1/4										



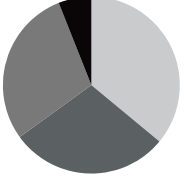
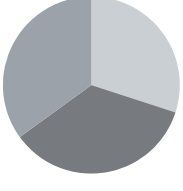
N51-O24		Observation		Tendency of Zone/Boundary								
Situation			Zone		Boundary							
Omohara			Stay	Approach	Cross	Height	Texture	Floor				
Cloudy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
休息エリア												
2018/10/19 2:44 PM												
Gender												
男性												
Age												
30歳未満												
External motivation			View		Opinion & rating							
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity			on View					
First time visit	初めての訪問				<input type="checkbox"/> Easy to use	<input type="checkbox"/> Can meet others	<input type="checkbox"/> Flexible	<input type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations)	<input type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Transport	徒歩, 自転車など				<input checked="" type="checkbox"/> Easy to use	<input checked="" type="checkbox"/> Can meet others	<input checked="" type="checkbox"/> Flexible	<input checked="" type="checkbox"/> Possible for optional activities	<input checked="" type="checkbox"/> Scenery (Panorama, vegetations)	<input checked="" type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Know this place from	友人や知人から				<input checked="" type="checkbox"/> Easy to use	<input checked="" type="checkbox"/> Can meet others	<input checked="" type="checkbox"/> Flexible	<input checked="" type="checkbox"/> Possible for optional activities	<input checked="" type="checkbox"/> Scenery (Panorama, vegetations)	<input checked="" type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Activity	Weather Aug_Sep_Oct		<input checked="" type="checkbox"/> Easy to use		<input checked="" type="checkbox"/> Can meet others	<input checked="" type="checkbox"/> Flexible	<input checked="" type="checkbox"/> Possible for optional activities	<input checked="" type="checkbox"/> Scenery (Panorama, vegetations)	<input checked="" type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)		
友人と会うため	Shading time (h)	Average:4.5 6/6/6										
Impression	Wind flow (m/s)	Average:2.7 2.6/3.2/4.3										
どちらでもない												



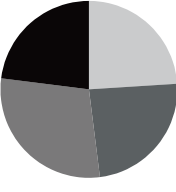
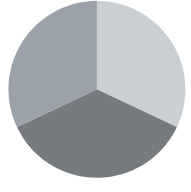

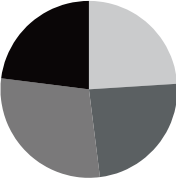
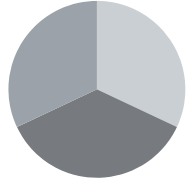
N52-O25		Observation		Tendency of Zone/Boundary								
Situation			Zone		Boundary							
Omohara			Stay	Approach	Cross	Height	Texture	Floor				
Cloudy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
庭園												
2018/10/19 2:49 PM												
Gender												
女性												
Age												
30歳未満												
External motivation			View		Opinion & rating							
Company	家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity			on View					
First time visit	初めての訪問				<input type="checkbox"/> Easy to use	<input type="checkbox"/> Can meet others	<input type="checkbox"/> Flexible	<input type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations)	<input type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Transport	バスまたは電車				<input checked="" type="checkbox"/> Easy to use	<input checked="" type="checkbox"/> Can meet others	<input checked="" type="checkbox"/> Flexible	<input checked="" type="checkbox"/> Possible for optional activities	<input checked="" type="checkbox"/> Scenery (Panorama, vegetations)	<input checked="" type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど				<input checked="" type="checkbox"/> Easy to use	<input checked="" type="checkbox"/> Can meet others	<input checked="" type="checkbox"/> Flexible	<input checked="" type="checkbox"/> Possible for optional activities	<input checked="" type="checkbox"/> Scenery (Panorama, vegetations)	<input checked="" type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Activity	Weather Aug_Sep_Oct		<input checked="" type="checkbox"/> Easy to use		<input checked="" type="checkbox"/> Can meet others	<input checked="" type="checkbox"/> Flexible	<input checked="" type="checkbox"/> Possible for optional activities	<input checked="" type="checkbox"/> Scenery (Panorama, vegetations)	<input checked="" type="checkbox"/> Affected by weather (Furnitures, people)	<input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)		
昼食と休憩 (運動, ショッピングの後); 自然を楽しむため	Shading time (h)	Average:4.5 6/6/6										
Impression	Wind flow (m/s)	Average:2.7 2.7/2.1/3.5										
とてもよい												

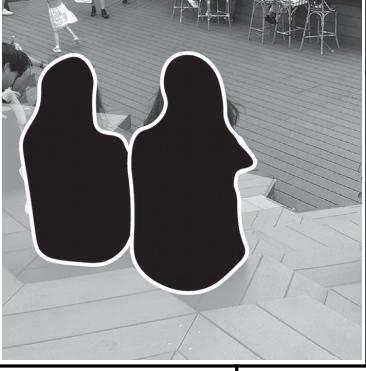

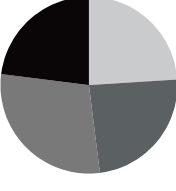
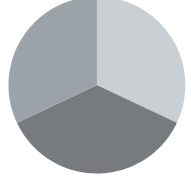

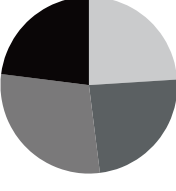
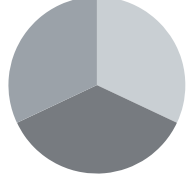
N53-026		Observation		Tendency of Zone/Boundary							
Situation		Zone		Boundary							
Omohara				Stay	Approach	Cross	Height		Opaque	Porous	Level change
Rainy		L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m				
芝生; 休息エリア		2018/10/19									
2:58 PM											
Gender											
男性											
Age											
30歳未満											
External motivation		View		Opinion & rating							
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View			
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport	バスまたは電車										
Know this place from	友人や知人から										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5									
		3/4/5									
Impression	Wind flow (m/s)	Average:2.7									
		2.8/0/3.9									
とてもよい											





N54-027		Observation		Tendency of Zone/Boundary							
Situation		Zone		Boundary							
Omohara				Stay	Approach	Cross	Height		Opaque	Porous	Level change
Rainy		L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m				
休息エリア		2018/10/19									
3:06 PM											
Gender											
女性											
Age											
30 ~ 60歳											
External motivation		View		Opinion & rating							
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View			
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport	バスまたは電車										
Know this place from	この地域を頻繁に通るから										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5									
		3/4/4									
Impression	Wind flow (m/s)	Average:2.7									
		1.4/1.8/3.6									
とてもよい											





N55-O28		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Omohara				Stay	Approach	Cross	Height		Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園												
2018/10/19 3:11 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation			View		Opinion & rating							
Company	家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど											
Activity	Weather Aug_Sep_Oct											
家族とのお出かけ	Shading time (h)	Average:4.5										
		4/5/5										
Impression	Wind flow (m/s)	Average:2.7										
		1.8/1.8/3.6										
とてもよい												


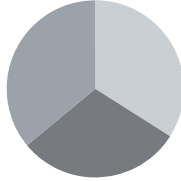

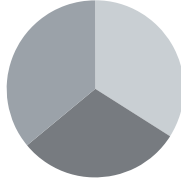

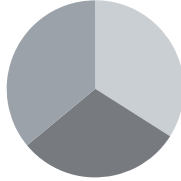

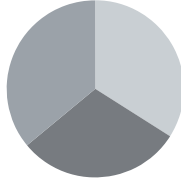

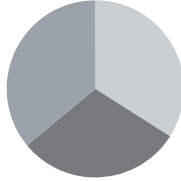

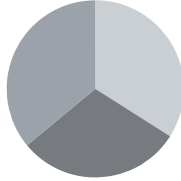

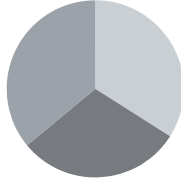
N56-O29		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Omohara				Stay	Approach	Cross	Height		Texture	Floor		
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生;庭園												
2018/10/19 3:24 PM												
Gender												
女性												
Age												
61 歳以上												
External motivation			View		Opinion & rating							
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	週末のみ以下				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		7/7/6										
Impression	Wind flow (m/s)	Average:2.7										
		2.3/1.8/4										
とてもよい												
















N57-O19		Observation		Tendency of Zone/Boundary										
Situation				Zone		Boundary								
Omohara				Stay	Approach	Cross	Height		Texture		Floor			
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
庭園				○			○			○		○		
2018/10/19 3:36 PM														
Gender														
男性														
Age														
30 歳未満														
External motivation			View		Opinion & rating									
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit		初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport		バスまたは電車												
Know this place from		広告, インスタグラム, フェイスブック, ツイッターなど												
Activity		Weather Aug_Sep_Oct												
屋食と休憩 (運動、ショッピングの後)		Shading time (h)										Average:4.5		
Impression		Wind flow (m/s)										Average:2.7		
とてもよい		2.1/3.8/4.7												




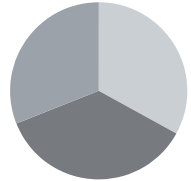
N58-O30		Observation		Tendency of Zone/Boundary										
Situation				Zone		Boundary								
Omohara				Stay	Approach	Cross	Height		Texture		Floor			
Cloudy							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
庭園				○			○			○		○		
2018/10/19 3:36 PM														
Gender														
女性														
Age														
30 歳未満														
External motivation			View		Opinion & rating									
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit		初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport		バスまたは電車												
Know this place from		広告, インスタグラム, フェイスブック, ツイッターなど												
Activity		Weather Aug_Sep_Oct												
屋食と休憩 (運動、ショッピングの後)		Shading time (h)										Average:4.5		
Impression		Wind flow (m/s)										Average:2.7		
とてもよい		1.4/2.1/4												



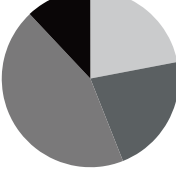
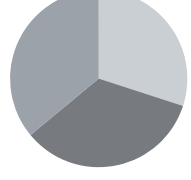
N59-O31		Observation		Tendency of Zone/Boundary								
Situation			Zone		Boundary							
Omohara			Stay	Approach	Cross	Height			Opaque	Porous	Level change	Material change
Cloudy						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				
庭園; 休息エリア												
2018/10/19 3:39 PM												
Gender	男性											
Age	30歳未満											
External motivation		View		Opinion & rating								
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity				on View					
First time visit	週末のみ以下		<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)								
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後); 自然を楽しむため	Shading time (h)	Average:4.5 6/7/8										
	Wind flow (m/s)	Average:2.7 3/3.2/3.5										
Impression	とてもよい											



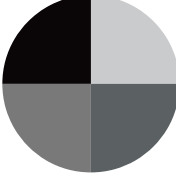
S01-K01		Observation		Tendency of Zone/Boundary								
Situation			Zone		Boundary							
Kitte			Stay	Approach	Cross	Height			Opaque	Porous	Level change	Material change
Sunny						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				
The rest area												
2018/8/6 11:37 AM												
Gender	Female											
Age	30-60											
External motivation		View		Opinion & rating								
Company	With family	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity				on View					
First time visit	Only weekend		<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)								
Transport	By public transport											
Know this place from	From other people											
Activity	Weather Aug_Sep_Oct											
Meeting; Enjoying the nature	Shading time (h)	Average:4.5 2/3/3										
	Wind flow (m/s)	Average:2.7 2.2/3/6.8										
Impression	Average											



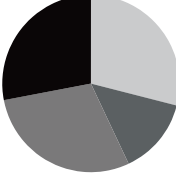
S02-K02		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Kitte	Stay Approach Cross						Height		Texture	Floor	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
庭園	○			○		○		○			
2018/8/6 12:21 PM											
Gender											
女性											
Age											
61 歳以上											
External motivation		View		Opinion & rating							
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	徒歩, 自転車など										
Know this place from	この地域を頻繁に通るから										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)			Average:4.5							
				1/2/3							
Impression	Wind flow (m/s)	Average:2.7									
どちらでもない		3/3/6.8									


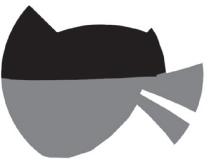

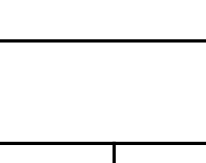
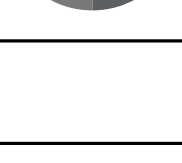
S03-K03		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Kitte	Stay Approach Cross						Height		Texture	Floor	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
芝生; 休息エリア	○			○		○		○			
2018/8/6 12:38 PM											
Gender											
女性											
Age											
30 ~ 60 歳											
External motivation		View		Opinion & rating							
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車										
Know this place from	友人や知人から										
Activity	Weather Aug_Sep_Oct										
家族とのお出かけ	Shading time (h)			Average:4.5							
				6/6/5							
Impression	Wind flow (m/s)	Average:2.7									
どちらでもない		3/2.8/6.8									




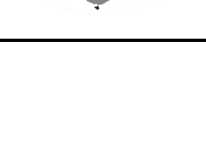
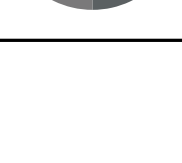
S04-K04		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Kitte							Stay	Approach	Cross	Height	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
庭園				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2018/8/6 12:46 PM				Gender		Opinion & rating		on Activity		on View	
女性				Company		View		Easy to use		Scenery (Panorama, vegetations)	
Age				友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		Can meet others		Affected by weather (Furnitures, people)	
30 ~ 60 歳		First time visit				Flexible		Landscape (Sign, entrance, pavement)			
External motivation		バスまたは電車				Possible for optional activities		<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Activity		この地域を頻繁に通るから				Weather Aug_Sep_Oct					
Weather Aug_Sep_Oct		Shading time (h)				Average:4.5		3/5/5			
Impression		Wind flow (m/s)		Average:2.7		2.2/2.7/6.8					
どちらでもない		Impression		どちらでもない							


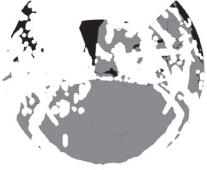
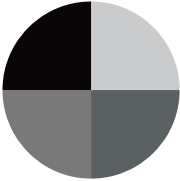
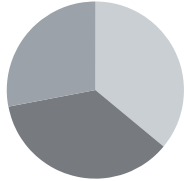
S05-K05		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Kitte							Stay	Approach	Cross	Height	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
庭園				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2018/8/6 1:01 PM				Gender		Opinion & rating		on Activity		on View	
女性				Company		View		Easy to use		Scenery (Panorama, vegetations)	
Age				家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		Can meet others		Affected by weather (Furnitures, people)	
30 ~ 60 歳		First time visit				Flexible		Landscape (Sign, entrance, pavement)			
External motivation		初めての訪問				Possible for optional activities		<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Activity		バスまたは電車				Weather Aug_Sep_Oct					
Weather Aug_Sep_Oct		Shading time (h)				Average:4.5		5/5/4			
Impression		Wind flow (m/s)		Average:2.7		2.2/2.4/6.8					
どちらでもない		Impression		どちらでもない							


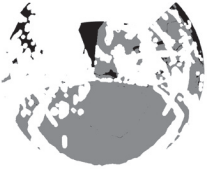
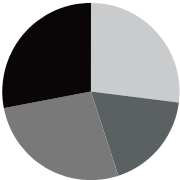
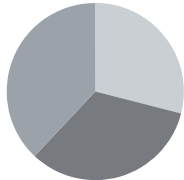
S06-K06		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Kitte	Stay Approach Cross						Height		Texture	Floor	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
芝生	2018/8/6			Gender 男性		<input type="radio"/>		<input type="radio"/>		<input type="radio"/>	
1:17 PM											
Age	30 ~ 60 歳			View <input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		Opinion & rating on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
External motivation	Company 一人で First time visit 初めての訪問 Transport バスまたは電車 Know this place from 友人や知人から										
Activity	Weather Aug_Sep_Oct Average:4.5 6/6/7										
Impression	Wind flow (m/s) Average:2.7 3.2/3.2/6.8										
上から東京駅を見たかった為	Shading time (h) Average:4.5 6/6/7										
どちらでもない	Impression どちらでもない										



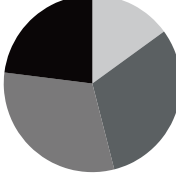
S07-K07		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Kitte	Stay Approach Cross						Height		Texture	Floor	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
芝生; 休息エリア	2018/8/6			Gender 女性		<input type="radio"/>		<input type="radio"/>		<input type="radio"/>	
2:56 PM											
Age	30 ~ 60 歳			View <input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		Opinion & rating on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
External motivation	Company 家族と First time visit 初めての訪問 Transport バスまたは電車 Know this place from 友人や知人から										
Activity	Weather Aug_Sep_Oct Average:4.5 6/6/5										
Impression	Wind flow (m/s) Average:2.7 2.2/2.6/6.8										
自然を楽しむため	Shading time (h) Average:4.5 6/6/5										
どちらでもない	Impression どちらでもない										

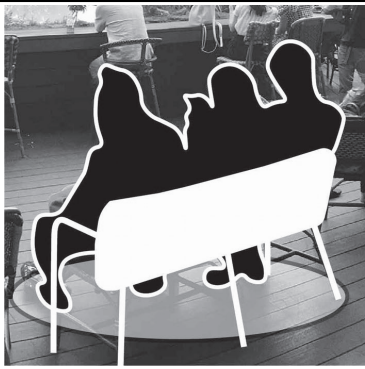

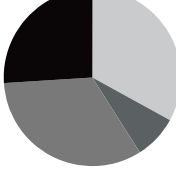
S08-K08		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Kitte				Stay	Approach	Cross	Height			Texture	Floor	
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生; 休息エリア				○			○		○			
2018/8/6 3:06 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation			View		Opinion & rating							
Company	家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
家族とのお出かけ; 自然を楽しむため	Shading time (h)	Average:4.5 4/4/3										
Impression	Wind flow (m/s)	Average:2.7 3.2/2.4/6.8										
どちらでもない												



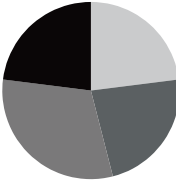
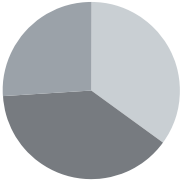
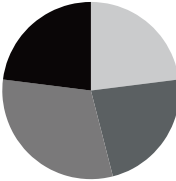
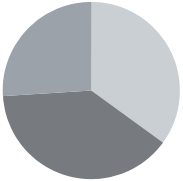
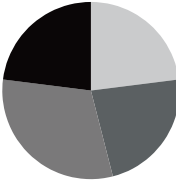
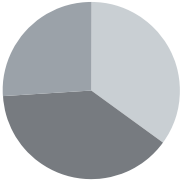
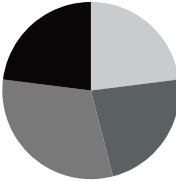
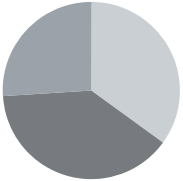
S09-O01		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Omohara				Stay	Approach	Cross	Height			Texture	Floor	
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園; 休息エリア				○			○		○		○	
2018/8/16 1:31 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation			View		Opinion & rating							
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	徒歩, 自転車など											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
屋食と休憩 (運動, ショッピングの後); 友人と会うため	Shading time (h)	Average:4.5 2/3/3										
Impression	Wind flow (m/s)	Average:2.7 2.5/2.4/4.4										
どちらでもない												




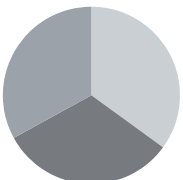

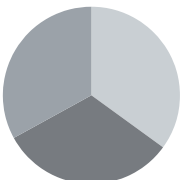

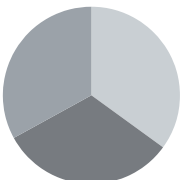

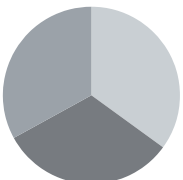
S10-O02		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Omohara						Stay	Approach	Cross	Height		Texture	Floor	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
休息エリア													
2018/8/16 1:38 PM													
Gender													
女性													
Age													
30歳未満													
External motivation			View		Opinion & rating								
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	一週間に数回				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車												
Know this place from	友人や知人から												
Activity	Weather Aug_Sep_Oct												
友人と会うため	Shading time (h)	Average:4.5 2/3/3											
Impression	Wind flow (m/s)	Average:2.7 2.5/2.4/4.4											
どちらでもない													




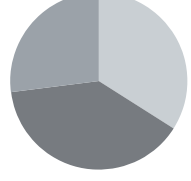
S11-O03		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Omohara						Stay	Approach	Cross	Height		Texture	Floor	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
休息エリア													
2018/8/16 1:44 PM													
Gender													
男性													
Age													
30 ~ 60歳													
External motivation			View		Opinion & rating								
Company	一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	週末のみ以下				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車												
Know this place from	この地域を頻繁に通るから												
Activity	Weather Aug_Sep_Oct												
友人と会うため	Shading time (h)	Average:4.5 6/7/8											
Impression	Wind flow (m/s)	Average:2.7 3/3.2/3.5											
どちらでもない													



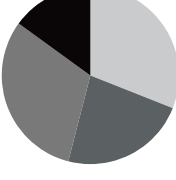
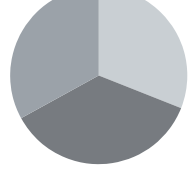
S12-004		Observation		Tendency of Zone/Boundary							
Situation				Zone		Boundary					
Omohara						Stay		Height		Texture	
Sunny				Approach				L: 0.1 m - 0.6 m		Opaque	
庭園				Cross		M: 0.6 m - 0.9 m		Porous		Material change	
2018/8/16				<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		H: 0.9 m - 1.8 m		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
1:55 PM											
Gender		男性									
Age		30 歳未満									
External motivation				View				Opinion & rating			
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)				on Activity		on View	
First time visit		初めての訪問						<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Transport		バスまたは電車									
Know this place from		友人や知人から									
Activity		Weather Aug_Sep_Oct									
友人と会うため		Shading time (h)		Average:4.5							
				7/7/6							
Impression		Wind flow (m/s)		Average:2.7							
どちらでもない				2.9/3.4/2.8							




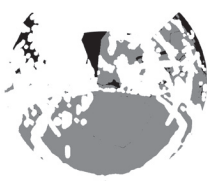
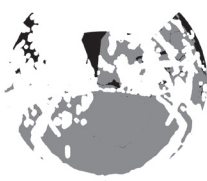
S13-005		Observation		Tendency of Zone/Boundary							
Situation				Zone		Boundary					
Omohara						Stay		Height		Texture	
Sunny				Approach				L: 0.1 m - 0.6 m		Opaque	
休息エリア				Cross		M: 0.6 m - 0.9 m		Porous		Material change	
2018/8/16				<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		H: 0.9 m - 1.8 m		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
2:08 PM											
Gender		女性									
Age		30 歳未満									
External motivation				View				Opinion & rating			
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)				on Activity		on View	
First time visit		初めての訪問						<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)	
Transport		バスまたは電車									
Know this place from		友人や知人から									
Activity		Weather Aug_Sep_Oct									
友人と会うため		Shading time (h)		Average:4.5							
				3/4/4							
Impression		Wind flow (m/s)		Average:2.7							
どちらでもない				3/2.1/2.9							



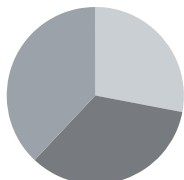


S14-O06		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Omohara							Stay	Approach	Cross	Height	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
庭園				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2018/8/16 2:10 PM				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
女性				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age		View		Opinion & rating							
30歳未満		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity		on View					
External motivation				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Company				一人で							
First time visit				週末のみ以下							
Transport				バスまたは電車							
Know this place from				この地域を頻繁に通るから							
Activity				Weather Aug_Sep_Oct							
友人と会うため				Shading time (h) Average:4.5 7/6/6							
Impression		Wind flow (m/s)									
とてもよい		Average:2.7 2.1/3.8/4.7									




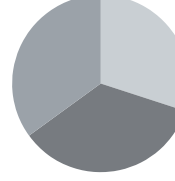

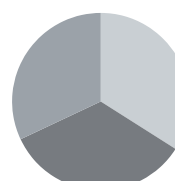
S15-O07		Observation		Tendency of Zone/Boundary							
Situation				Zone			Boundary				
Omohara							Stay	Approach	Cross	Height	
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous
芝生;庭園				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2018/8/16 2:31 PM				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
女性				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age		View		Opinion & rating							
30 ~ 60歳		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity		on View					
External motivation				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Company				家族と							
First time visit				初めての訪問							
Transport				バスまたは電車							
Know this place from				広告, インスタグラム, フェイスブック, ツイッターなど							
Activity				Weather Aug_Sep_Oct							
昼食と休憩; 自然を楽しむため; 友人と会うため				Shading time (h) Average:4.5 4/4/4							
Impression		Wind flow (m/s)									
とてもよい		Average:2.7 1.4/2.1/4									




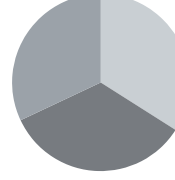

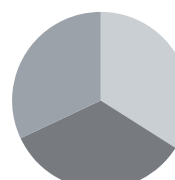
S16-008		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Omohara				Stay	Approach	Cross	Height		Texture	Floor		
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園				○			○			○		○
2018/8/16 2:34 PM												
Gender												
男性												
Age												
61 歳以上												
External motivation			View			Opinion & rating						
Company		一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity		on View			
First time visit		一週間に数回					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		バスまたは電車										
Know this place from		広告、インスタグラム、フェイスブック、ツイッターなど		Average:4.5		Average:2.7						
Activity		Weather Aug_Sep_Oct		Average:2.7								
昼食と休憩 (運動、ショッピングの後)		Shading time (h)		7/7/6								
Impression		Wind flow (m/s)		Average:2.7								
とてもよい		1.4/1.8/3.9										


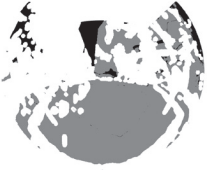

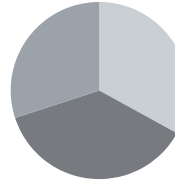
S17-009		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Omohara				Stay	Approach	Cross	Height		Texture	Floor		
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園				○			○			○		○
2018/8/16 2:42 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation			View			Opinion & rating						
Company		家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity		on View			
First time visit		初めての訪問					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		徒歩、自転車など										
Know this place from		この地域を頻繁に通るから		Average:4.5		Average:2.7						
Activity		Weather Aug_Sep_Oct		Average:2.7								
昼食と休憩 (運動、ショッピングの後)		Shading time (h)		7/6/5								
Impression		Wind flow (m/s)		Average:2.7								
とてもよい		2.5/3.2/4.5										




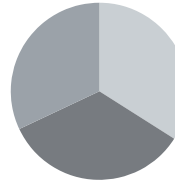
S18-O10		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Omohara				Stay	Approach	Cross	Height			Texture		Floor
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2018/8/16 2:50 PM				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
女性				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30 ~ 60 歳		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)			Average:4.5								
				7/6/5								
Impression	Wind flow (m/s)			Average:2.7								
とてもよい		2.5/3.2/4.5										



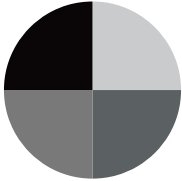

S19-O11		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Omohara				Stay	Approach	Cross	Height			Texture		Floor
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2018/8/16 3:14 PM				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
女性				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30 歳未満		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
External motivation		View		Opinion & rating								
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	自動車											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)			Average:4.5								
				5/4/3								
Impression	Wind flow (m/s)			Average:2.7								
とてもよい		2.5/4/3										




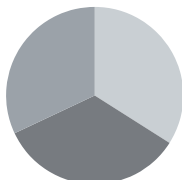
S20-O12		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Omohara						Height		Texture		Floor			
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m			H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
庭園													
2018/8/16 3:19 PM													
Gender													
女性													
Age													
30歳未満		Stay	Approach	Cross									
External motivation		View		Opinion & rating									
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View			
First time visit		初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		徒歩, 自転車など											
Know this place from		友人や知人から											
Activity		Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)		Shading time (h) Average:4.5 5/5/5											
Impression		Wind flow (m/s)											
とてもよい		Average:2.7 2.5/4/2.5											

S21-O13		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Omohara						Height		Texture		Floor			
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m			H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
休息エリア													
2018/8/16 3:24 PM													
Gender													
男性													
Age													
30歳未満		Stay	Approach	Cross									
External motivation		View		Opinion & rating									
Company		家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View			
First time visit		初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		徒歩, 自転車など											
Know this place from		友人や知人から											
Activity		Weather Aug_Sep_Oct											
自然を楽しむため		Shading time (h) Average:4.5 5/5/5											
Impression		Wind flow (m/s)											
とてもよい		Average:2.7 2.5/4/2.5											

S22-O14		Observation		Tendency of Zone/Boundary										
Situation				Zone		Boundary								
Omohara						Stay	Approach	Cross	Height		Texture	Floor		
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
休息エリア				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
2018/8/16 3:31 PM														
Gender														
女性														
Age														
30 ~ 60 歳														
External motivation			View			Opinion & rating								
Company		一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View				
First time visit		週末のみ以下					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport		バスまたは電車												
Know this place from		広告, インスタグラム, フェイスブック, ツイッターなど												
Activity		Weather Aug_Sep_Oct												
屋食と休憩 (運動, ショッピングの後)		Shading time (h)		Average:4.5										
		5/4/3												
Impression		Wind flow (m/s)		Average:2.7										
とてもよい		2.3/4/2.5												




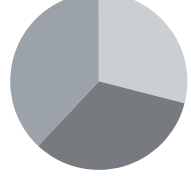
S23-O15		Observation		Tendency of Zone/Boundary										
Situation				Zone		Boundary								
Omohara						Stay	Approach	Cross	Height		Texture	Floor		
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change	
庭園				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
2018/8/16 4:15 PM														
Gender														
女性														
Age														
30 歳未満														
External motivation			View			Opinion & rating								
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View				
First time visit		初めての訪問					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport		徒歩, 自転車など												
Know this place from		広告, インスタグラム, フェイスブック, ツイッターなど												
Activity		Weather Aug_Sep_Oct												
屋食と休憩 (運動, ショッピングの後); 自然を楽しむため		Shading time (h)		Average:4.5										
		5/4/3												
Impression		Wind flow (m/s)		Average:2.7										
とてもよい		2.3/4/2.5												



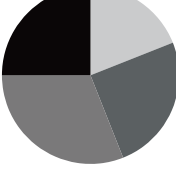
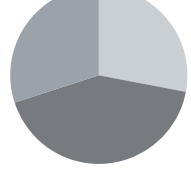
S24-O16		Observation		Tendency of Zone/Boundary							
Situation				Zone		Boundary					
Omohara				Stay	Approach	Cross	Height		Texture	Floor	
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous
庭園				○	○	○	○	○	○	○	○
2018/8/16 4:29 PM											
Gender											
女性											
Age											
30 歳未満											
External motivation			View		Opinion & rating						
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity		on View				
First time visit	初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車										
Know this place from	友人や知人から						Average:4.5		Average:2.7		
Activity	Weather Aug_Sep_Oct										
昼食と休憩; 自然を楽しむため; 友人と会うため	Shading time (h)	Average:4.5 3/2/4									
Impression	Wind flow (m/s)										
とてもよい	Average:2.7 2.5/4/2.5										


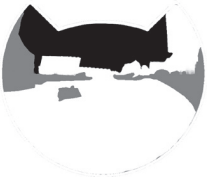
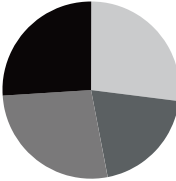

S25-I01		Observation		Tendency of Zone/Boundary							
Situation				Zone		Boundary					
Isetan				Stay	Approach	Cross	Height		Texture	Floor	
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous
休息エリア				○	○	○	○	○	○	○	○
2018/8/17 1:15 PM											
Gender											
男性											
Age											
30 ~ 60 歳											
External motivation			View		Opinion & rating						
Company	一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity		on View				
First time visit	週末のみ以下				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車										
Know this place from	この地域を頻繁に通るから						Average:4.5		Average:2.7		
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5 2/3/3									
Impression	Wind flow (m/s)										
とてもよい	Average:2.7 2.2/2.7/3.8										




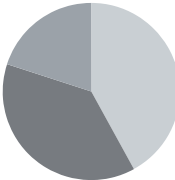
S26-I02		Observation		Tendency of Zone/Boundary											
Situation				Zone			Boundary								
Isetan	Stay			Approach	Cross	Height		Texture	Floor						
Sunny						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change		
芝生															
2018/8/17 1:27 PM															
Gender															
女性															
Age															
30 ~ 60 歳															
External motivation		View		Opinion & rating											
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View							
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	自動車														
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど														
Activity	Weather Aug_Sep_Oct														
家族とのお出かけ	Shading time (h)	Average:4.5													
		6/7/7													
Impression	Wind flow (m/s)	Average:2.7													
とてもよい		2.6/2.7/4.2													


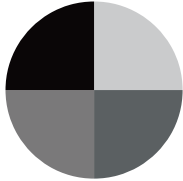


S27-I03		Observation		Tendency of Zone/Boundary											
Situation				Zone			Boundary								
Isetan	Stay			Approach	Cross	Height		Texture	Floor						
Sunny						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change		
休息エリア															
2018/8/17 1:42 PM															
Gender															
男性															
Age															
30 ~ 60 歳															
External motivation		View		Opinion & rating											
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View							
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車														
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど														
Activity	Weather Aug_Sep_Oct														
家族とのお出かけ	Shading time (h)	Average:4.5													
		3/4/4													
Impression	Wind flow (m/s)	Average:2.7													
とてもよい		2.3/2.7/3.7													


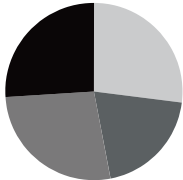
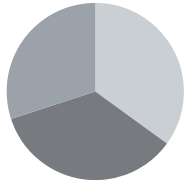

S28-I04		Observation		Tendency of Zone/Boundary									
Situation			Zone		Boundary								
Isetan	Sunny				Height		Texture	Floor					
庭園			2018/8/17 2:20 PM	Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性												
Age	30 ~ 60 歳												
External motivation			View		Opinion & rating								
Company	一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	一週間に数回	<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車												
Know this place from	この地域を頻繁に通るから												
Activity	Weather Aug_Sep_Oct	Shading time (h)		Average:4.5		7/7/7		Average:2.7		2.6/3.2/3.8			
屋食と休憩; 友人と会うため; 自然を楽しむため		Wind flow (m/s)		Average:2.7		2.6/3.2/3.8							
Impression	とてもよい												



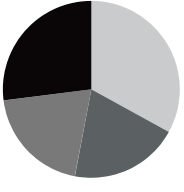
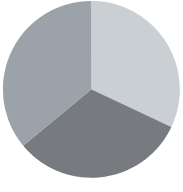
S29-I05		Observation		Tendency of Zone/Boundary									
Situation			Zone		Boundary								
Isetan	Sunny				Height		Texture	Floor					
休息エリア			2018/8/17 3:02 PM	Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	男性												
Age	30 歳未満												
External motivation			View		Opinion & rating								
Company	一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	週末のみ以下	<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車												
Know this place from	この地域を頻繁に通るから												
Activity	Weather Aug_Sep_Oct	Shading time (h)		Average:4.5		2/3/3		Average:2.7		2.5/2.7/3.8			
屋食と休憩 (運動、ショッピングの後); 自然を楽しむため		Wind flow (m/s)		Average:2.7		2.5/2.7/3.8							
Impression	とてもよい												



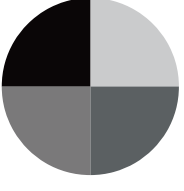
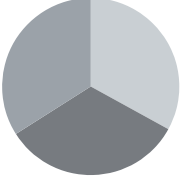
S30-I06		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Isetan	Sunny						Height		Texture		Floor		
芝生	2018/8/17 3:06 PM			Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性												
Age	30 ~ 60 歳			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
External motivation				View		Opinion & rating							
Company	家族と			<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View			
First time visit	一週間に数回	<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	徒歩, 自転車など												
Know this place from	友人や知人から												
Activity	Weather Aug_Sep_Oct	Average:4.5											
家族とのお出かけ	Shading time (h)	5/6/6											
Impression	Wind flow (m/s)	Average:2.7											
とてもよい		2.6/2.7/4.2											

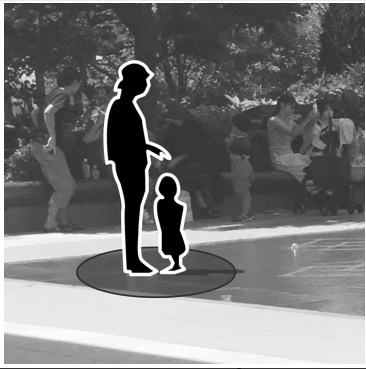


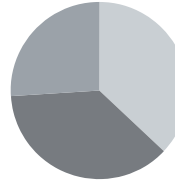
S31-I07		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Isetan	Sunny						Height		Texture		Floor		
庭園	2018/8/17 3:20 PM			Stay	Approach	Cross	L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
Gender	女性												
Age	61 歳以上			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
External motivation				View		Opinion & rating							
Company	一人で			<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View			
First time visit	週末のみ以下	<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車												
Know this place from	この地域を頻繁に通るから												
Activity	Weather Aug_Sep_Oct	Average:4.5											
自然を楽しむため	Shading time (h)	6/7/7											
Impression	Wind flow (m/s)	Average:2.7											
とてもよい		2.2/2.8/6.8											



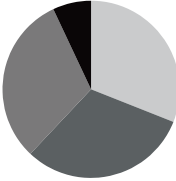

S34-I10		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Isetan				Stay	Approach	Cross	Height		Texture	Floor			
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
The garden													
2018/8/17 4:14 PM													
Gender													
Female													
Age													
30-60													
External motivation		View		Opinion & rating									
Company	With family	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View					
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	Walking, Cycling,...												
Know this place from	From other people												
Activity	Weather Aug_Sep_Oct												
Have lunch and break	Shading time (h)	Average:4.5											
		6/6/5											
Impression	Wind flow (m/s)	Average:2.7											
		2.2/2.6/6.8											
Good													



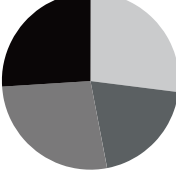
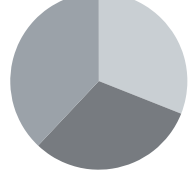
S35-I11		Observation		Tendency of Zone/Boundary									
Situation				Zone			Boundary						
Isetan				Stay	Approach	Cross	Height		Texture	Floor			
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
The rest area													
2018/8/17 4:23 PM													
Gender													
Male													
Age													
30-60													
External motivation		View		Opinion & rating									
Company	With family	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View					
First time visit	First time			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	By public transport												
Know this place from	From advertisement, social media												
Activity	Weather Aug_Sep_Oct												
Have lunch and break	Shading time (h)	Average:4.5											
		3/4/7											
Impression	Wind flow (m/s)	Average:2.7											
		3.5/3/6.8											
Good													



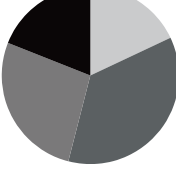
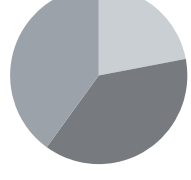
S36-G16		Observation		Tendency of Zone/Boundary							
Situation			Zone		Boundary						
Ginza			Stay	Approach	Cross	Height	Texture	Floor			
Sunny						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園											
2018/8/18 11:58 AM											
Gender											
女性											
Age											
30 ~ 60 歳											
External motivation			View		Opinion & rating						
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity			on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	バスまたは電車										
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5									
		4/3/2									
Impression	Wind flow (m/s)	Average:2.7									
とてもよい		2.3/4/3									


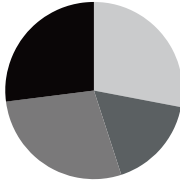


S37-G17		Observation		Tendency of Zone/Boundary							
Situation			Zone		Boundary						
Ginza			Stay	Approach	Cross	Height	Texture	Floor			
Sunny						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園											
2018/8/18 12:09 PM											
Gender											
女性											
Age											
30 ~ 60 歳											
External motivation			View		Opinion & rating						
Company	友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)	on Activity			on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
Transport	自動車										
Know this place from	この地域を頻繁に通るから										
Activity	Weather Aug_Sep_Oct										
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5									
		4/3/2									
Impression	Wind flow (m/s)	Average:2.7									
とてもよい		2.3/4/3									


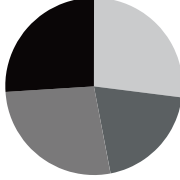
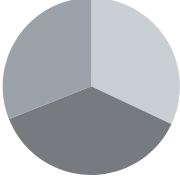

S38-G18		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Ginza							Stay	Approach	Cross	Height		Texture
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous	Level change
芝生;庭園												
2018/8/18 12:39 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
家族とのお出かけ	Shading time (h)	Average:4.5										
		5/4/3										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.5/4/3										




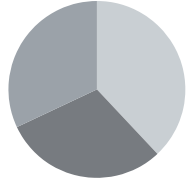
S39-G19		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Ginza							Stay	Approach	Cross	Height		Texture
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m				Opaque	Porous	Level change
芝生;庭園												
2018/8/18 12:55 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車											
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど											
Activity	Weather Aug_Sep_Oct											
昼食と休憩;自然を楽しむため;家族とのお出かけ	Shading time (h)	Average:4.5										
		4/4/4										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.5/4/2.5										





S40-G20		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Ginza				Stay	Approach	Cross	Height		Texture	Floor		
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園; 休息エリア				2018/8/18 1:24 PM	●	●	●	●	●	●	●	
Gender												女性
Age				30 ~ 60 歳								
External motivation				View		Opinion & rating						
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	一週間に数回			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車											
Know this place from	広告、インスタグラム、フェイスブック、ツイッターなど			Average:4.5			Average:2.7					
Activity	Weather Aug_Sep_Oct		Shading time (h)		Wind flow (m/s)		とてもよい					
昼食と休憩 (運動、ショッピングの後)	Average:4.5		4/3/2		Average:2.7		2.3/4/3					

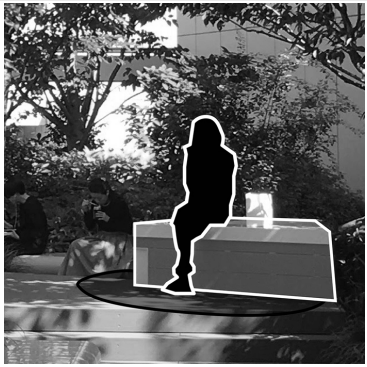


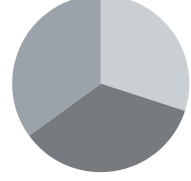
S41-G21		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Ginza				Stay	Approach	Cross	Height		Texture	Floor		
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア				2018/8/18 1:45 PM	●	●	●	●	●	●	●	
Gender												女性
Age				30 ~ 60 歳								
External motivation				View		Opinion & rating						
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	自動車											
Know this place from	友人や知人から			Average:4.5			Average:2.7					
Activity	Weather Aug_Sep_Oct		Shading time (h)		Wind flow (m/s)		とてもよい					
昼食と休憩 (運動、ショッピングの後)	Average:4.5		5/4/3		Average:2.7		2.5/4/3					





S42-G22		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Ginza				Stay	Approach	Cross	Height		Texture		Floor	
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生												
2018/8/18 2:35 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	バスまたは電車											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため	Shading time (h)	Average:4.5										
		4/3/2										
Impression	Wind flow (m/s)	Average:2.7										
		2.3/4/3										
とてもよい												


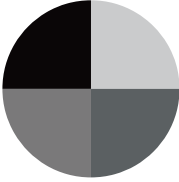

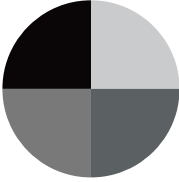


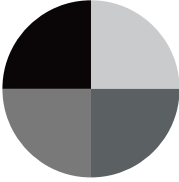

S43-I12		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Isetan				Stay	Approach	Cross	Height		Texture		Floor	
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
庭園												
2018/10/21 1:07 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	一週間に数回			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)							
Transport	徒歩, 自転車など											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		5/5/5										
Impression	Wind flow (m/s)	Average:2.7										
		2.5/1.5/6.8										
とてもよい												



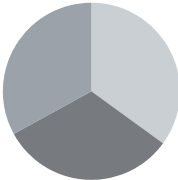

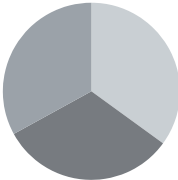


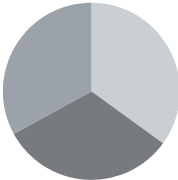
S46-I15		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Isetan	Stay Approach Cross			Height		Texture		Floor				
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	Opaque	Porous	Level change	Material change			
庭園				H: 0.9 m - 1.8 m								
2018/10/21 2:01 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		5/5/5										
Impression	Wind flow (m/s)	Average:2.7										
		2.5/4/2.5										
とてもよい												

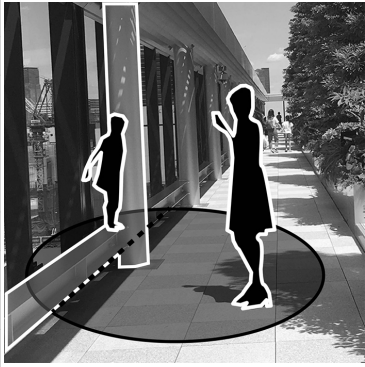

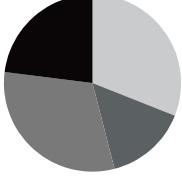
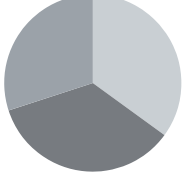
S47-G23		Observation		Tendency of Zone/Boundary								
Situation				Zone			Boundary					
Ginza	Stay Approach Cross			Height		Texture		Floor				
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	Opaque	Porous	Level change	Material change			
庭園				H: 0.9 m - 1.8 m								
2018/10/22 12:05 PM												
Gender												
女性												
Age												
30 ~ 60 歳												
External motivation		View		Opinion & rating								
Company	一人で	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View					
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)					
Transport	バスまたは電車											
Know this place from	広告, インスタグラム, フェイスブック, ツイッターなど											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		5/5/5										
Impression	Wind flow (m/s)	Average:2.7										
		2.5/4/2.5										
とてもよい												



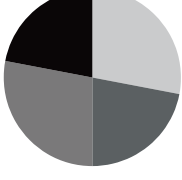
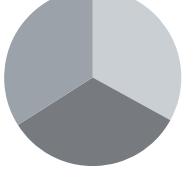
S48-G24		Observation		Tendency of Zone/Boundary								
Situation			Zone			Boundary						
Ginza	Sunny The garden 2018/10/22 12:14 PM		Stay	Approach	Cross	Height	Texture	Floor				
						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
	Gender		Female									
	Age		30-60									
External motivation		View		Opinion & rating								
Company	Alone	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
First time visit	Few times a week											
Transport	Walking, Cycling,...											
Know this place from	I frequent this area											
Activity	Weather Aug_Sep_Oct											
Have lunch and break; Enjoying the nature	Shading time (h)	Average:4.5										
		4/5/6										
Impression	Wind flow (m/s)	Average:2.7										
Good		2.5/4/3										






S49-G25		Observation		Tendency of Zone/Boundary								
Situation			Zone			Boundary						
Ginza	Sunny 庭園; 休息エリア 2018/10/22 12:29 PM		Stay	Approach	Cross	Height	Texture	Floor				
						L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change	Material change
	Gender		女性									
	Age		30 ~ 60 歳									
External motivation		View		Opinion & rating								
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity <input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities		on View <input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)						
First time visit	初めての訪問											
Transport	バスまたは電車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
昼食と休憩 (運動、ショッピングの後)	Shading time (h)	Average:4.5										
		2/3/3										
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.5/4/2.5										






S50-G26		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Ginza						Stay Approach Cross		Height		Texture		Floor	
Sunny				L: 0.1 m - 0.6 m				M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m		Opaque Porous Level change Material change	
芝生				L: 0.1 m - 0.6 m		M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m		Opaque Porous Level change Material change			
2018/10/22 12:53 PM				<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>									
Gender													
女性													
Age													
30 ~ 60 歳													
External motivation			View		Opinion & rating								
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit		週末のみ以下				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport		バスまたは電車											
Know this place from		友人や知人から											
Activity		Weather Aug_Sep_Oct											
友人と会うため; 自然を楽しむため		Shading time (h)										Average:4.5	
		3/2/2											
Impression		Wind flow (m/s)										Average:2.7	
とてもよい		2.5/4/2.5											

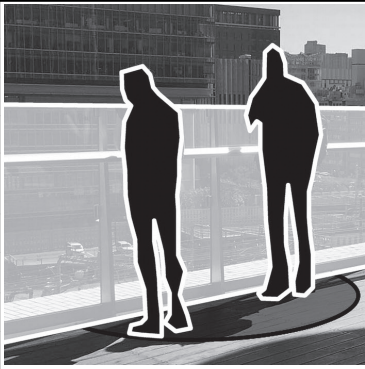


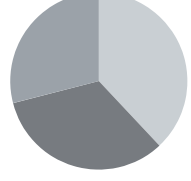
S51-G27		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Ginza						Stay Approach Cross		Height		Texture		Floor	
Sunny				L: 0.1 m - 0.6 m				M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m		Opaque Porous Level change Material change	
芝生				L: 0.1 m - 0.6 m		M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m		Opaque Porous Level change Material change			
2018/10/22 1:00 PM				<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>									
Gender													
女性													
Age													
30 ~ 60 歳													
External motivation			View		Opinion & rating								
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View				
First time visit		初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport		徒歩, 自転車など											
Know this place from		この地域を頻繁に通るから											
Activity		Weather Aug_Sep_Oct											
屋食と休憩 (運動, ショッピングの後); 自然を楽しむため		Shading time (h)										Average:4.5	
		4/3/2											
Impression		Wind flow (m/s)										Average:2.7	
とてもよい		2.3/4/3											





S52-G28		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Ginza				Stay	Approach	Cross	Height		Texture	Floor		
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア												
2018/10/22												
1:18 PM												
Gender		女性										
Age		30 ~ 60 歳										
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	自動車											
Know this place from	友人や知人から											
Activity	Weather Aug_Sep_Oct											
家族とのお出かけ	Shading time (h)			Average:4.5								
				4/3/2								
Impression	Wind flow (m/s)	Average:2.7										
とてもよい		2.3/4/3										






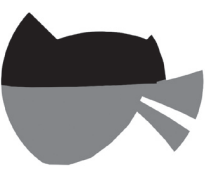

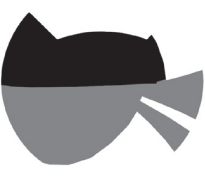

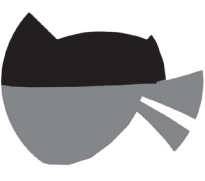

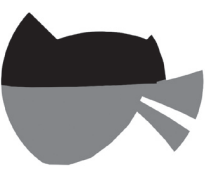

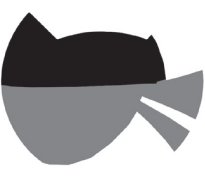

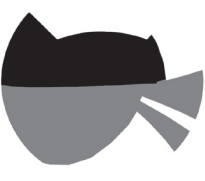

S53-G29		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Ginza				Stay	Approach	Cross	Height		Texture	Floor		
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生;庭園												
2018/10/22												
1:41 PM												
Gender		男性										
Age		61 歳以上										
External motivation		View		Opinion & rating								
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity				on View				
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities				<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車											
Know this place from	この地域を頻繁に通るから											
Activity	Weather Aug_Sep_Oct											
自然を楽しむため	Shading time (h)			Average:4.5								
				4/3/2								
Impression	Wind flow (m/s)	Average:2.7										
素晴らしい		2.3/4/3										
















S54-K09		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Kitte						Stay Approach Cross		Height		Texture		Floor	
Sunny				L: 0.1 m - 0.6 m				M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m		Opaque	
休息エリア				Level change		Material change							
2018/10/22 2:26 PM													
Gender													
男性													
Age													
30 ~ 60 歳													
External motivation			View			Opinion & rating							
Company		一人で		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View			
First time visit		初めての訪問					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		バスまたは電車											
Know this place from		広告, インスタグラム, フェイスブック, ツイッターなど											
Activity		Weather Aug_Sep_Oct											
上から東京駅を見たかった為		Shading time (h)		Average:4.5									
				6/6/5									
Impression		Wind flow (m/s)		Average:2.7									
素晴らしい				3/2.8/6.8									

S55-K10		Observation		Tendency of Zone/Boundary									
Situation				Zone		Boundary							
Kitte						Stay Approach Cross		Height		Texture		Floor	
Sunny				L: 0.1 m - 0.6 m				M: 0.6 m - 0.9 m		H: 0.9 m - 1.8 m		Opaque	
芝生				Level change		Material change							
2018/10/22 2:43 PM													
Gender													
男性													
Age													
30 ~ 60 歳													
External motivation			View			Opinion & rating							
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)			on Activity			on View			
First time visit		一週間に数回					<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		徒歩, 自転車など											
Know this place from		この地域を頻繁に通るから											
Activity		Weather Aug_Sep_Oct											
屋食と休憩 (運動, ショッピングの後); 自然を楽しむため		Shading time (h)		Average:4.5									
				3/3/2									
Impression		Wind flow (m/s)		Average:2.7									
素晴らしい				2.2/3/6.8									

S56-K11		Observation		Tendency of Zone/Boundary					
Situation				Zone		Boundary			
Kitte						Stay	Approach	Cross	Height
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m
芝生									Material change
2018/10/22									
2:54 PM									
Gender									
女性									
Age									
30 ~ 60 歳									
External motivation		View		Opinion & rating					
Company	家族と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity		on View			
First time visit	週末のみ以下			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車								
Know this place from	友人や知人から								
Activity	Weather Aug_Sep_Oct								
電車を見るため	Shading time (h)	Average:4.5							
		3/3/3							
Impression	Wind flow (m/s)	Average:2.7							
素晴らしい		2.2/2.7/3.8							

S57-K12		Observation		Tendency of Zone/Boundary					
Situation				Zone		Boundary			
Kitte						Stay	Approach	Cross	Height
Sunny				L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m				H: 0.9 m - 1.8 m
庭園									Material change
2018/10/22									
3:17 PM									
Gender									
女性									
Age									
61 歳以上									
External motivation		View		Opinion & rating					
Company	友人・同僚と	<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity		on View			
First time visit	初めての訪問			<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities	<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)				
Transport	バスまたは電車								
Know this place from	友人や知人から								
Activity	Weather Aug_Sep_Oct								
上から東京駅を見たかった為	Shading time (h)	Average:4.5							
		6/7/7							
Impression	Wind flow (m/s)	Average:2.7							
素晴らしい		2.2/3.4/4.5							

S58-K13		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Kitte				Stay	Approach	Cross	Height			Texture		Floor
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
休息エリア												
2018/10/22 3:44 PM												
Gender												
男性												
Age												
30 ~ 60 歳												
External motivation			View		Opinion & rating							
Company		家族と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View			
First time visit		一週間に数回				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		徒歩, 自転車など										
Know this place from		この地域を頻繁に通るから										
Activity		Weather Aug_Sep_Oct										
昼食と休憩 (運動, ショッピングの後); 東京駅を見るため		Shading time (h)										
Average:4.5		6/6/6										
Impression		Wind flow (m/s)										
素晴らしい		Average:2.7										
		2.6/3.2/4.3										

S59-K14		Observation		Tendency of Zone/Boundary								
Situation				Zone		Boundary						
Kitte				Stay	Approach	Cross	Height			Texture		Floor
Sunny							L: 0.1 m - 0.6 m	M: 0.6 m - 0.9 m	H: 0.9 m - 1.8 m	Opaque	Porous	Level change
芝生												
2018/10/22 3:59 PM												
Gender												
男性												
Age												
30 歳未満												
External motivation			View		Opinion & rating							
Company		友人・同僚と		<input type="checkbox"/> Not affordance (sky, surrounding buildings) <input checked="" type="checkbox"/> Affordance for lingering affected by weather (furniture, tree, eaves) <input checked="" type="checkbox"/> Affordance for lingering not affected by weather (low vegetation, floor)		on Activity			on View			
First time visit		初めての訪問				<input type="checkbox"/> Easy to use <input checked="" type="checkbox"/> Can meet others <input checked="" type="checkbox"/> Flexible <input checked="" type="checkbox"/> Possible for optional activities			<input type="checkbox"/> Scenery (Panorama, vegetations) <input checked="" type="checkbox"/> Affected by weather (Furnitures, people) <input checked="" type="checkbox"/> Landscape (Sign, entrance, pavement)			
Transport		バスまたは電車										
Know this place from		友人や知人から										
Activity		Weather Aug_Sep_Oct										
自然を楽しむため		Shading time (h)										
Average:4.5		6/7/8										
Impression		Wind flow (m/s)										
素晴らしい		Average:2.7										
		3/3.2/3.5		