

論文 / 著書情報
Article / Book Information

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Title(English)	Case Study Assessment of Post-Disaster Green Reconstruction and Energy Policy in the Age of Climate Change
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(博士課程)
Doctoral Program

論文概要

THESIS ABSTRACT

専攻 : Department of	Mechanical Sciences & Engineering	専攻	申請学位 (専攻分野) : Academic Degree Requested	博士 Doctor of	(Philosophy)
学籍番号 : Student ID Number	[REDACTED]		指導教員 (主) : Academic Advisor(main)	Jeffrey S. Cross	
学生氏名 : Student's Name	Julia Nesheiwat		指導教員 (副) : Academic Advisor(sub)		

論文題目 Thesis Title	Case Study Assessment of Post-Disaster Green Reconstruction and Energy Policy in the Age of Climate Change (ケーススタディによる気候変動時代における災害後グリーン復興とエネルギー政策の評価)
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概要 (和文 300 字程度又は英文 120 語程度)
Thesis Abstract (approx.300 Japanese Characters or approx.120 English Words)

In the wake of recent natural disasters, integrating climate and green energy policy with a more efficient long-term planning approach to post-disaster reconstruction is the linchpin for creating a resilient, sustainable, and climate-conscious energy system. The system will ideally demonstrate resilience in the face of disasters, prove sustainable both economically and environmentally, and reduce the human contribution to climate change going forward. Several cases of major disasters including the Tohoku 3.11 earthquake/Tsunami, Hurricane Sandy and the Sichuan earthquake were examined to provide a roadmap for policymakers to understand the costs and benefits of green reconstruction and apply best practice in the climate change era. A Post-disaster Green Reconstruction index was developed to qualitatively compare these cases under the advisement of Prof. Jeffrey S. Cross.