

【Grant-in-Aid for Scientific Research(S)】

Humanities and Social Sciences (Humanities)



Title of Project : Establishment of academic framework of Earthquake Disaster Reconstruction experiencing Great East Japan Earthquake

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Research Area : Human Geography (Regional Policy)

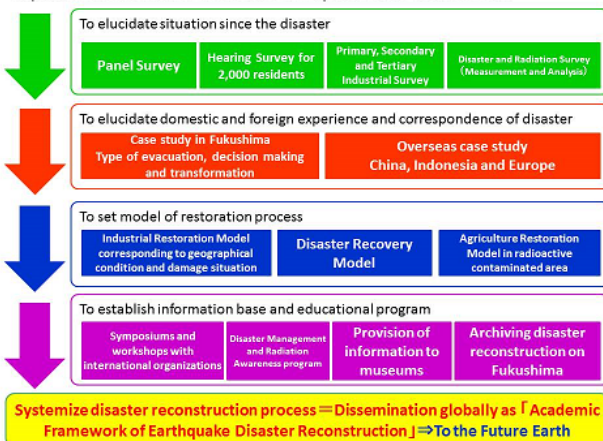
Keyword : Earthquake Disaster Reconstruction, Great East Japan Earthquake, Nuclear Power Plant Accident, Regional Policy, International Dissemination

【Purpose and Background of the Research】

Great East Japan Earthquake (GEJE) was the first complex disaster of earthquake, tsunami and nuclear accident in human history. Countries which operate nuclear power plants are in the face of risk of similar disasters. The research project aims to systemize academic framework of earthquake disaster reconstruction, while supporting rehabilitation and restoration activities from GEJE. The research team will collaboratively work with overseas researchers who deal with mega earthquake and tsunami in Asia as well as nuclear accident in Europe. The outcome of the research will be shared internationally through UN organizations and the World Conference on Disaster Reduction (WCDR). The academic framework of earthquake disaster reconstruction will provide FUKUSHIMA Model or universal and reproducible model of reconstruction, which can be applied to all kinds of mega disasters in the world, and contribute to the world peace and prosperity.

【Research Methods】

Steps to establish Academic Framework of Earthquake Disaster Reconstruction



Four disasters of which Fukushima Prefecture experienced (earthquake, tsunami, radioactive contamination and harmful rumors), their impact to life of residents and restoration of livelihood will be examined from the viewpoints of the natural science and the humanities. Characteristics and commonalities of sub-regions and sub-sectors will

be clarified and applied to support programs in the field. Complex disaster modeling will be designed from the outcomes aiming to apply to future disasters. Educational package of “Earthquake Disaster Reconstruction” will be compiled and utilized for awareness programs in domestic and overseas educational institutions.

【Expected Research Achievements and Scientific Significance】

GEJE is the very rare case of complex disaster. Lack of accurate information on Fukushima invites vicious circle of fear and harmful rumors. As the research project will provide overview of progress of restoration from GEJE and future perspective, it will help proper understand of Fukushima and ease distrust of overseas. Japan has been playing internationally active role in the file of disaster management, emergency response and recovery by providing development assistance and contribution through international organizations. The research team will work collaboratively with World Bank, UNISDR and other international organizations, and disseminate the outcomes of the research internationally in WCDR 2015 and symposiums and workshops in Japan and overseas.

【Publications Relevant to the Project】

1. Socio-technical tasks on repatriation, reconstruction and restoration proceeded from nuclear accident, Mitsuo Yamakawa, Academic Trend, 17-8, 26-31, 2012.
2. Geographical context of evacuation areas due to nuclear accident, Mitsuo Yamakawa, Geography, 57-5, 65-71, 2012.

【Term of Project】 FY2013-2017

【Budget Allocation】 165,600 Thousand Yen

【Homepage Address and Other Contact Information】

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