

Abstract

[Project Information]

Project Title : Development of Future Design in Surrounding Areas Utilizing Local Resources and Environment

Project Number : JPMEERF22S20920

Project Period (FY) : 2022-2024

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Keywords : Interim Storage Facility for Radioactive Waste、 Low-carbon Future Community 、 Socio-ecological Production Landscape (SEPL) 、 Community-engaged Reconstruction、 Pattern Language Methodology、 Regional Integrated Assessment Model (RIAM) 、 Assessment of Ecosystem Services、 Societal Implementation

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Theme 2 focuses on envisioning a decarbonized future community in the Interim Storage Facility and surrounding area, previously a biodiverse satoyama landscape. It incorporates advanced technologies to tackle both regional and global challenges. Sub-theme 1 involves creating future scenarios through dialogue with residents, utilizing pattern language, a community capital framework, and regional integrated assessment models. Sub-theme 2 quantitatively assesses ecosystem services based on biodiversity monitoring and incorporates residents' perceptions to evaluate recovery progress and inform policy materials.

[References]

Ohnishi, S., Osako, M., Nakamura, S., Togawa, T., Kawai, K., Suzuki, A., Yoshida, K., Gomi, Tsuji, T. (2024). A Framework for Analyzing Co-Creation Value Chain Mechanisms in Community-Based Approaches: A Literature Review. Sustainability, 16(7), 2919.

This research was performed by the Environment Research and Technology Development Fund (JPMEERF22S20920) of the Environmental Restoration and Conservation Agency provided by Ministry of the Environment of Japan.