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マルチセンサー地理空間データを用いて森林の回復力を強化するコミュニティ林業プロジェクトの有効性の評価：カンボジアから学んだ経験

代表研究者 Ram Avtar 北海道大学 地球環境科学研究院 助教
共同研究者 チャン ソファル 代理ディレクター
森林野生生物研究開発研究所、プノンペン、カンボジア



Evaluating the Effectiveness of Community Forestry Projects Using Multi-Sensor Geospatial Data to Enhance Forest Resilience: Lessons Learned from Cambodia

Representative Ram Avtar, Hokkaido University, Faculty of Environmental Earth Science, Assistant Professor
Collaborator Mr. Chann Sophal, Deputy Director, Institute of Forest and Wildlife Research and Development, Phnom Penh, CAMBODIA

研究概要

Over a billion local people in developing countries are increasingly participating in community forestry projects. They play an important role in reducing deforestation, offsetting carbon emissions, and improving the livelihood of local people through local forest management practices. Currently, there is limited evidence supporting the effectiveness of community forestry in reducing deforestation and conserving biodiversity. Hitherto, there is a clear knowledge gap in how community forestry projects are useful in improving forest conditions and livelihood of local people in developing countries at the national level. In this study, the effectiveness of community forestry projects will be evaluated using a synergistic approach of multi-sensor remote sensing, participatory mapping, and ground-based survey in Cambodia. This research will contribute to evaluate the success/failure of the community forestry projects in Cambodia. As Cambodia is planning to expand community forestry projects under REDD+, it is expected that this study will help in the implementation of future community forestry projects. The outcomes of this study will provide a mutual learning platform to the researchers and policymakers for developing knowledge about the success of community forestry projects to enhance forest resilience. This study will reveal the role of community forests in facilitating forest cover retention and regeneration. Furthermore, it is expected to strengthen the knowledge about the contribution of community forestry in livelihood generation, improving equity and accountability for achieving the implementation of Sustainable Development Goals (SDGs) and contributing to climate change mitigation by reducing greenhouse gases (GHGs) emission and REDD+.