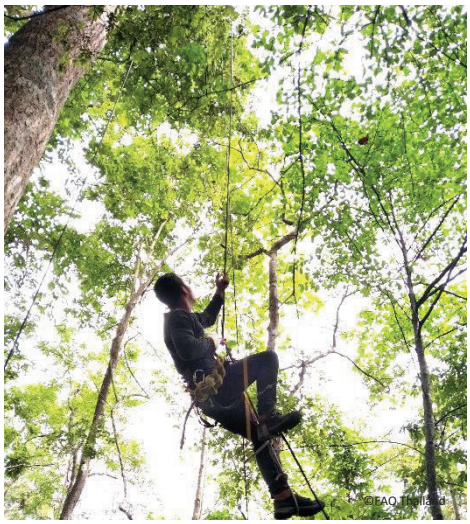
Food and Agriculture Organization of the United Nations

BUILDING NATIONAL CAPACITY TO MEASURE, REPORT AND VERIFY GREENHOUSE GAS EMISSIONS FROM THAILAND'S FOREST AND LAND USE SECTOR

The Conference of the Parties (COP) to the United Nations Framework Convention on Climate Change (UNFCCC) has adopted a forestry greenhouse gas (GHG) emission mitigation mechanism known as "REDD+", which will provide positive incentives to developing countries to voluntarily reduce their rates of deforestation and forest degradation and increase their forest carbon stocks, as part of a post-2020 global climate change agreement reached at COP 21 in Paris in 2015 (the "Paris Agreement").

The objective of the project was to support Thailand, in particular the Department of National Parks, Wildlife and Plant Conservation, in establishing a Forest Reference Emission Level (FRL) for REDD+, as well as a Measurement, Monitoring and Reporting (MMR) component of the National Forest Monitoring System (NFMS).



WHAT DID THE PROJECT DO?

The main outputs of the project were as follows: (i) assessment of existing resources in the establishment of a NFMS for country capacity development, (ii) development of a protocol for the generation of activity data to assist in the development of the FRL, MMR and NFMS, (iii) an enhanced THAIFORM system and database on emission factors and (iv) the development of a FRL. The key result of the project was a FRL and a MMR system for REDD+ in Thailand. This was compliant not only with the decisions of the UNFCCC on GHG issues within the context of REDD+, but also with the guidance and guidelines of the Intergovernmental Panel on Climate Change.

IMPACT

The MMR system will enable the verification of REDD+ results and other forest data and statistics by national institutions and stakeholders and by third parties.

KEY FACTS

Contribution
USD 825 001

Duration
October 2018 – September 2020

Resource Partner
Government of Thailand

Partners
Department of National Parks, Wildlife and Plant Conservation of the Ministry of Natural Resources and Environment

Beneficiaries
Department of National Parks, Wildlife and Plants Conservation

ACTIVITIES

- Technical and strategic advice provided to technical working groups and task teams to guide them in the development of NFMS/MMR and FRL documents.
- Advice provided for development of a Satellite Land Monitoring System suitable for continuous, transparent monitoring of land and forest cover.
- Assessments carried out of existing land and forest cover maps, forest change and classification systems starting from the year 2006.
- A MMR report was developed, presenting the work accomplished by the project and the measures to be used to ensure the sustainability of the NFMS/MMR system.
- Thailand's National Forest Inventory methodologies were reviewed for three cycles (2004/2005, 2011 and 2016/2017), with the data compiled and analysed to assist in the establishment of nationally-specific emission factors.
- FRL document, combining emission factors and activity data, finalized and submitted to the UNFCCC.

15 LIFE ON LAND

SUSTAINABLE DEVELOPMENT GOALS

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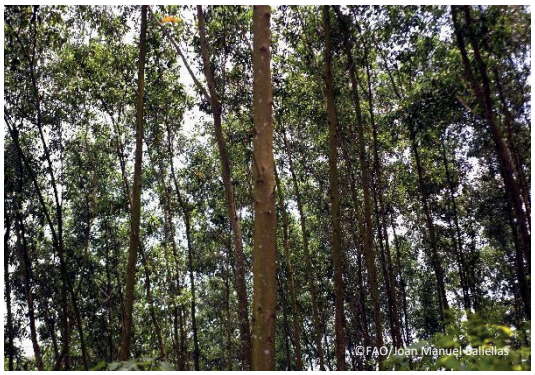
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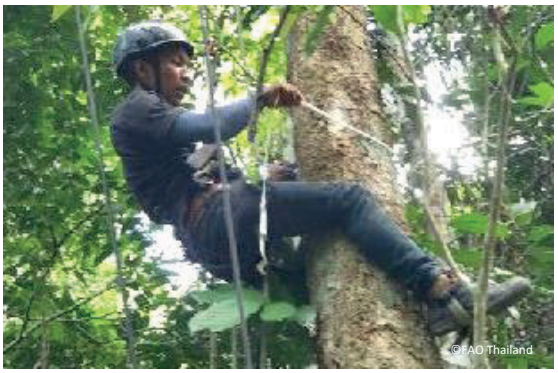
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Project Code
FAO: UTF/THA/034/THA

Project Title
Technical Assistance for the Development of REDD+ MRV System and Forest Reference Level for Thailand

Contact
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