



ADAPTIVE AND CARBON-FINANCED FOREST MANAGEMENT IN TROPICAL RAINFOREST HERITAGE OF SUMATRA

As of: January 2021

The project successfully demonstrated the application of both adaptation and mitigation measures in the 'Tropical Forest Heritage of Sumatra' UNESCO World Heritage site. This area comprises three national parks with a total size of 26,000 qm². The project partners developed forest management schemes that could potentially be carbon-financed through REDD+ in the future. Additionally, forest rehabilitation as well as forest protection measures were implemented to reduce the land-based emissions of that region.

State of implementation/results

- Digital maps created of forest areas; analysis of an extended timeframe conducted by comparing data from 1990 and 2000 of forest cover and loss; data made available along with explanations to state and non-state actors
- Climate scenarios assessed with regard to the biological integrity of Sumatra's tropical rainforests; basis for analysing their vulnerability and risk level
- Effects of legal provisions analysed with reference to climate change mitigation and adaptation to its impacts; draft of statutory roadmap developed for initiating carbon-financed projects; potential locations identified for such projects
- General methodology developed for monitoring the effects of climate change (using arthropods as bioindicators); training conducted for park staff and community members on introducing the methodology, conducting data collection, and promoting cooperation
- Identification of habitats and ecosystems that are vulnerable to climate change; corresponding adaptation action plans developed and management measures implemented to enhance the resilience of the ecosystems; for example, conservation of tree species on 22 hectares of degraded land in Sei Betung
- Guidelines and an interactive map developed to

PROJECT DATA

Country/Countries:

Indonesien

Implementing organisation:

United Nations Educational, Scientific and Cultural Organization (UNESCO)

Political partner(s):

- Ministry of Environment (KLH) - Indonesia*
- Ministry of Forestry - Indonesia*

Implementing partner(s):

- Indonesian Institute of Sciences (LIPI) - Indonesia
- Wildlife Conservation Society (WCS) - Indonesia

BMU grant:

€ 472,225.73

Duration:

09/2009 till 12/2011

Website(s):

<http://www.unesco.de/wissenschaft/2010/uho-0710-sumatra-projekt.html>





support local governments to implement carbon-financed forest measures and disseminate assessment instruments

- Training activities and workshops conducted to increase capacity and enhance coordination among stakeholders (for example, between the districts in a region)

