



PROJECT SNAPSHOT

Development of Rice Pest and Natural Disaster Monitoring, Forecasting, and Warning Center for Sustainable Rice Production under Climate Change in the Mekong-Lancang Subregion

FUNDED BY THE
MEKONG-LANCANG COOPERATION SPECIAL FUND

DESCRIPTION

The Mekong-Lancang region is Asia's veritable rice bowl, collectively growing 44 percent of the world's rice (World Bank, 2015). However, the rice industries in Cambodia, PR China, Lao PDR, Myanmar, Thailand, and Vietnam have become increasingly vulnerable to the impacts of climate change. This is largely due to the countries' limited access to climate information and varying responses to pest outbreaks and natural disasters.

This project aims to create resilient rice production industries by establishing a regional Rice Pest and Natural Disaster Monitoring, Forecasting, and Warning Center. Implemented by Mekong Institute—with support from Thailand's Ministry of Agriculture and Cooperatives—the three-year project will enhance the scientific climate knowledge of Lancang-Mekong member countries, as well as develop coordination channels and communication platforms for more informed and effective rice production planning and management.

DURATION

December 2019 – December 2022



CAPACITY
BUILDING



TECHNICAL
EXCHANGES



RESEARCH



PLATFORM
BUILDING



OBJECTIVES

The project seeks to:

- Enhance capacities of Mekong-Lancang countries to access information and better understand the impacts of climate change, including pest and disease outbreaks and natural disasters, on rice production
- Equip Mekong-Lancang countries to analyze and share research data, develop forecasting models, and identify strategies to improve farmers' adoption of sustainable and climate-smart rice production practices

EXPECTED OUTCOMES

- Establish a regional Monitoring, Forecasting, and Warning System on Rice Pest and Natural Disaster
- Increase awareness of rice farmers on the impacts of climate change
- Promote sustainable and climate-smart rice production practices and technologies
- Foster continued collaboration and information-sharing among Mekong-Lancang countries on rice production technologies, research studies, and best practices related to pest control and disaster management

ACTIVITIES

- Baseline study on rice production and situational analysis of rice pest and natural disasters monitoring, forecasting, and warning systems in the MLC region
- Regional workshops, seminars, and meetings
- Two modular on-the-job trainings
- Establishment of the Monitoring, Forecasting, and Warning System on Rice Pest and Natural Disaster

TARGET SECTORS

- Government officials and rice sector stakeholders from Cambodia, PR China, Lao PDR, Myanmar, Thailand, and Vietnam

