



MEKONG RIVER COMMISSION USES SPACE TECHNOLOGY TO IMPROVE FLOOD FORECASTING

SERVIR-Mekong is supporting the Mekong River Commission (MRC) in using a new generation of satellite-derived precipitation products to increase flood forecast accuracy and lead time.



FLOOD FORECASTING



By collaborating with SERVIR-Mekong, the Mekong River Commission (MRC) has been able to improve its flood forecasting system using new satellite data to estimate rainfall, helping the region better prepare for and respond to flood risk.



The accuracy of MRC's hydrologic model will be strengthened by integrating precipitation data with higher spatial and temporal resolution information to aid in flood forecasting efforts.



MRC's Mekong Flood Forecasting System integrated SERVIR-Mekong satellite-based precipitation data, **improving accuracy and increasing lead time from 6 to 15 days.**



SERVIR-Mekong will continue to support the governments in the region, as well as regional institutions and other key stakeholders in Lower Mekong countries, to utilize publicly available satellite imagery and geospatial tools to improve environmental management and help build greater resilience to the negative effects of climate change.



Aerial view of the Lower Mekong region.

“We want to continue our cooperation with SERVIR-Mekong to include deeper efforts towards a holistic plan, which includes monitoring for both floods and droughts.”

—Dr. Lam Hung Son, *Head of the MRC Secretariat's Regional Flood and Drought Management Center*

SERVIR connects space to village by helping developing countries use satellite data to address critical challenges in food security, water resources, weather and climate, land use, and natural disasters. A partnership of NASA, USAID, and leading technical organizations, SERVIR develops innovative solutions to improve livelihoods and foster self-reliance in Asia, Africa, and the Americas.

