



USAID
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SERVIR GLOBAL
CONNECTING SPACE TO VILLAGE



SCIENCE & TECHNOLOGY SERVING THE NEEDS OF DEVELOPING COUNTRIES

SERVIR connects space to village by making geospatial information, including Earth observation data from satellites, Geographic Information Systems, and predictive models, useful to developing countries. SERVIR is a joint development initiative of NASA and USAID, working in partnership with leading regional organizations around the globe. SERVIR helps those most in need of tools for managing climate risks and land use.

SERVIR global hubs include the following:

- SERVIR-West Africa, hosted by the Comité permanent Inter-Etats de Lutte contre la Sécheresse dans le Sahel (CILSS)/Centre Regional AGRHYMET
- SERVIR-Eastern and Southern Africa, hosted by the Regional Centre for Mapping of Resources for Development (RCMRD)
- SERVIR-Himalaya, hosted by the International Centre for Integrated Mountain Development (ICIMOD)
- SERVIR-Mekong, hosted by the Asian Disaster Preparedness Center (ADPC)

SERVIR places science in the service of society by building the capacity of regional organizations, each with an established track record of working with governments and communities, to use Earth observations to understand, predict, and act at the local and regional levels. Through the SERVIR network, experts at SERVIR regional hubs partner with local decision-makers and US-based scientists to create new datasets, maps, and decision-support tools

that answer critical development questions. SERVIR hubs also provide training to build capacity in local institutions for evidence-based decision making that meets societal needs.

SERVIR uses data from a suite of Earth-observing satellites, ground-based data, and geospatial information technology in innovative ways to inform development decisions. Custom SERVIR tools integrate information in real-time, and the SERVIR website offers access to a range of environmental information, maps, satellite and sensor data, and other analysis tools. For example, flood alerts using satellite rainfall data for several watersheds in Kenya, Tanzania, and Uganda, are generated in close collaboration with the respective departments of water resources; seasonal productivity assessments are performed in collaboration with the Ministry of Agriculture in Nepal using the first digital agricultural atlas; and high-resolution land cover maps are developed using satellite imagery to enable greenhouse gas emissions inventories to be completed in a number of countries in Africa and Asia.

SERVIR strengthens the ability of governments and other development stakeholders to incorporate Earth observations and geospatial technologies to respond to natural disasters, manage water and natural resources, and improve food security. Improved management of natural resources also helps to identify opportunities to improve economic growth while lowering greenhouse gas emissions and building resilience to climate change.

www.servirglobal.net



ICIMOD

