

CONNECTING SPACE TO VILLAGE

WHAT IS SERVIR?

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

SERVIR HINDU KUSH HIMALAYA

One of five regional hubs of the SERVIR network, the International Centre for Integrated Mountain Development (ICIMOD) implements the SERVIR Hindu Kush Himalaya (SERVIR-HKH) Initiative in its regional member countries, prioritizing activities in Afghanistan, Bangladesh, Myanmar, Nepal, and Pakistan.

LAND USE, LAND COVER CHANGE, AND ECOSYSTEMS



SERVIR-HKH is monitoring annual land cover at national and regional levels. It is assessing climate change vulnerability and adaptation planning for forest ecosystems in Nepal.

WEATHER AND CLIMATE SERVICES



Working closely with partner institutions, SERVIR-HKH is implementing the High Impact Weather Assessment Toolkit (HIWAT) to monitor extreme weather-based events in the Hindu Kush Himalaya.

AGRICULTURE AND FOOD SECURITY



SERVIR-HKH is developing a regional drought monitoring and early warning system to support agriculture advisory processes in Afghanistan, Bangladesh, Nepal, and Pakistan. A food security information system to support in-season food security assessments and related decision making has been developed for Nepal.

WATER RESOURCES AND HYDRO-CLIMATIC DISASTERS



SERVIR-HKH is working on enhancing flood early warning information for flood-prone rivers in Bangladesh and Nepal, and strengthening ICIMOD's regional flood outlook.

A SERVICE APPROACH

SERVIR-HKH has adopted a service approach to bring together diverse stakeholders to identify local development problems and co-develop solutions that use satellite data, Earth sciences, and geospatial technologies, thereby generating positive development outcomes. The resulting solutions are tailored, need-based, decision support products, tools, data resources, and capacity-building activities.

LEVERAGING PARTNERSHIPS



SERVIR-HKH engages with its partners in the design, development, and implementation of its solutions. Partnerships increase buy-in related to data sharing and management, and development and adoption standards of practices, while enhancing solution uptake and sustained scaling up of services.

ENHANCING INSTITUTIONAL CAPACITIES



Capacity-building activities help maximize the benefits of Earth observation and geospatial technology in the region. SERVIR-HKH provides technical support, conducts customized trainings, and shares opportunities according to the needs of its regional partners.

INTEGRATING GENDER AND YOUTH



SERVIR-HKH supports the integration of gender concerns in its design and implementation as well as in the monitoring and evaluation processes across its services. Through university-level exchanges, internships, and hackathons, the Initiative engages young people in geospatial science applications.



SERVIR is a partnership of the United States Agency for International Development (USAID), the National Aeronautics and Space Administration (NASA), and leading technical organizations. For further queries, contact servirhkh@icimod.org | servir.icimod.org | #SERVIRHKH | #Space2Village