# SERVIR®HIMALAYA



NASA

## 

### Connecting space to village

FOR MOUNTAINS AND PEOPLE

SERVIR connects space to village by sharing geospatial information – including Earth observation data from satellites, geoinformation systems, and predictive models – with developing countries. SERVIR is a joint development initiative of the United States Agency for International Development (USAID) and the National Aeronautics and Space Administration (NASA) working in partnership with leading regional organizations around the globe. SERVIR helps those most in need of tools to help manage climate risks and land use changes. SERVIR-Himalaya is implemented by ICIMOD. SERVIR-Himalaya aims to:



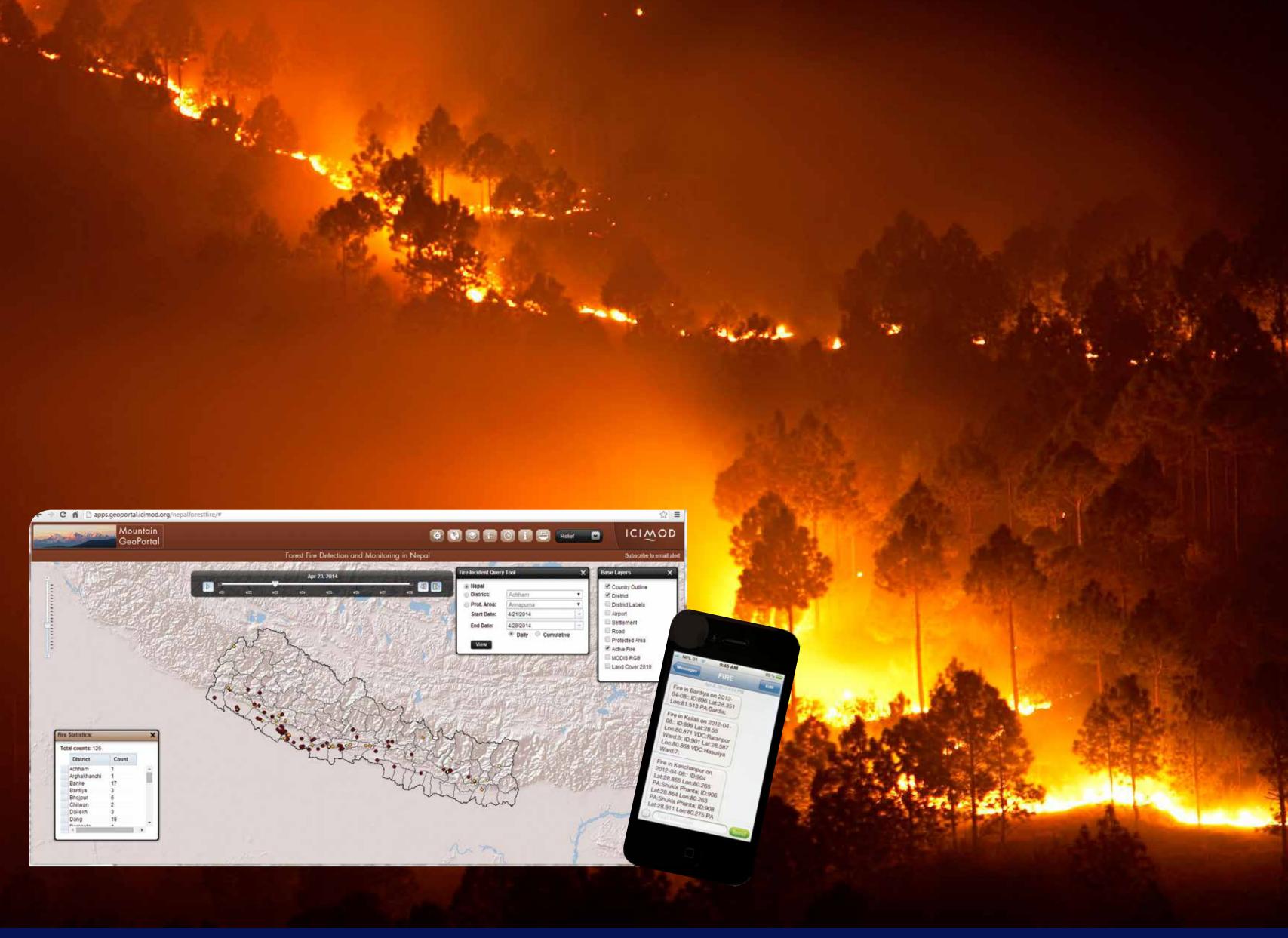
- Bridge the gap between scientific knowledge and decision making through the application of Earth observation data
- Bring together scientists, university students, decision makers, and development practitioners to analyse and solve development challenges
- Make previously inaccessible data available to partners in the Hindu Kush Himalayan region

#### **SERVIR** in Action

SERVIR-Himalaya helps decision makers in the region address environmental changes by developing tools and applications that help monitor deforestation, biomass changes, and forest fire and support disaster risk reduction.

"Through partnerships like SERVIR, scientists will be able to use cutting-edge technologies to monitor complex challenges as they happen helping to save lives and build more resilient communities."





- Agricultural Monitoring to Support Food Security Decision Making in Nepal
- Forest Fire Detection and Monitoring System
- **Operational Multi-Scale Forest Biomass** Assessment Using Satellite Remote Sensing
- Disaster Information Management System (DIMS)
- Mapping Land Cover Changes

**Rajiv Shah** Administrator, USAID



"The SERVIR technology and our partnership with various organizations and people around the globe reflect NASA's commitment to improving life on our home planet for all people."

> **Charles Bolden** Administrator, NASA

#### User Engagement

SERVIR engages with users across the region to develop and encourage the use of tools and applications to support decision making. The initiative also monitors the use and impact of SERVIR applications and fosters innovation through small grants and small-scale applications.



"The 'secret sauce' is in working with regional



#### Capacity Building

Training and capacity building are integral parts of the SERVIR-Himalaya initiative. The initiative organizes trainings in the development and use of science applications.

### **Engaging Youth**

Through the NASA DEVELOP internship programme, NASA International Space Apps Challenge, and youth forums, SERVIR-Himalaya brings together like-minded youth to exchange ideas and learn about geoinformation-based applications and methods to address climate change issues.

**SERVIR Project Director** 

"SERVIR shows that it is possible to connect space to village, and put high science and technology into use for the benefit of mountain men, women, and children and mountain environments."

David Molden **Director General, ICIMOD** 

Find more on **SERVIR-Himalaya**: Attp://geoportal.icimod.org



#### 2 @mountaingeoportal

International Centre for Integrated Mountain Development, GPO Box 3226, Kathmandu, Nepal, Tel +977 1 5003222, Email info@icimod.org

