National Aeronautics And Space Administration

The US Agency for International Development



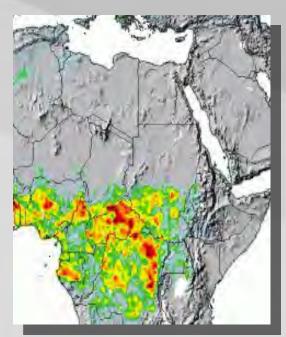
From Space to Village: The SERVIR Program

Daniel E. Irwin NASA/Marshall Space Flight Center

SERVIR

Regional Platform for Science and Policy in the Americas and Africa

Using earth observations and predictive models for environmental management, disaster preparedness and response, and climate change adaptation.



Training and Capacity Building



- Data and Models
- Online Maps
- Visualizations
- Decision Support
- Training
- Partnerships

Flood Forecasting in Africa

SERVIR-Central America The Regional Visualization and Monitoring System

- Launched in March 2005 at CATHALAC
- Addressed over 20 natural disasters and 11 environmental threats
- Access to thousands of satellite images and geographic datasets.
- Products routinely presented on television news
- Trained hundreds of scientists, researchers, and government employees



Mesoamerican presidents at Guanacaste Summit in July 2009 recognizing the importance of addressing national disasters at a regional level

SERVIR-Africa

The Regional Visualization and Monitoring System

- Launched in November 2008 at RCMRD
- Flood forecasting, flood mapping, and Rift Valley Fever
- Making new African geospatial datasets to publicly available for the first time
- Strengthening collaboration between NASA centers and other USG agencies
- South-South exchange between SERVIR nodes on two continents
- Training and capacity building



South-South Collaboration Between SERVIR-Central America and SERVIR-Africa facilities

SERVIR Applications Science for Society

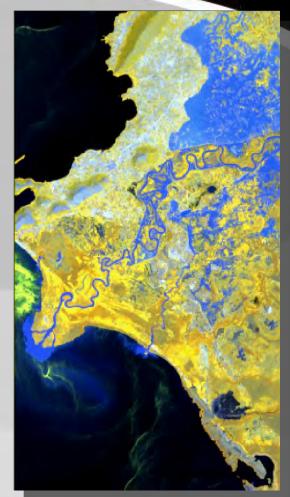
- Disaster Analysis
- Environmental Monitoring
- Air Quality and Public Health
- Climate Change and Biodiversity
- Short Term Weather Prediction



Mapping Landslide in Guatemala January 2009



Fires in Guatemala and Mexico April 2009



Flooding in Kenya November 2008

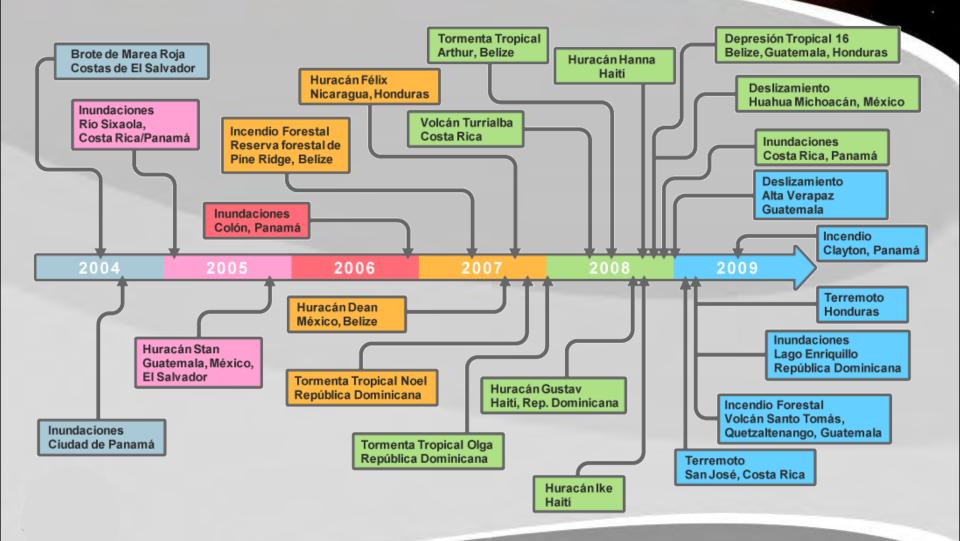
Flooding in the Dominican Republic March 2009

Inundaciones en Lago Enriquillo, República Dominicana

Generado por CATHALAC el 4 de marzo de 2009 - MAPAS DE UBICACIÓN -



Extreme Events



Possible Future S/ER WR Metwork

