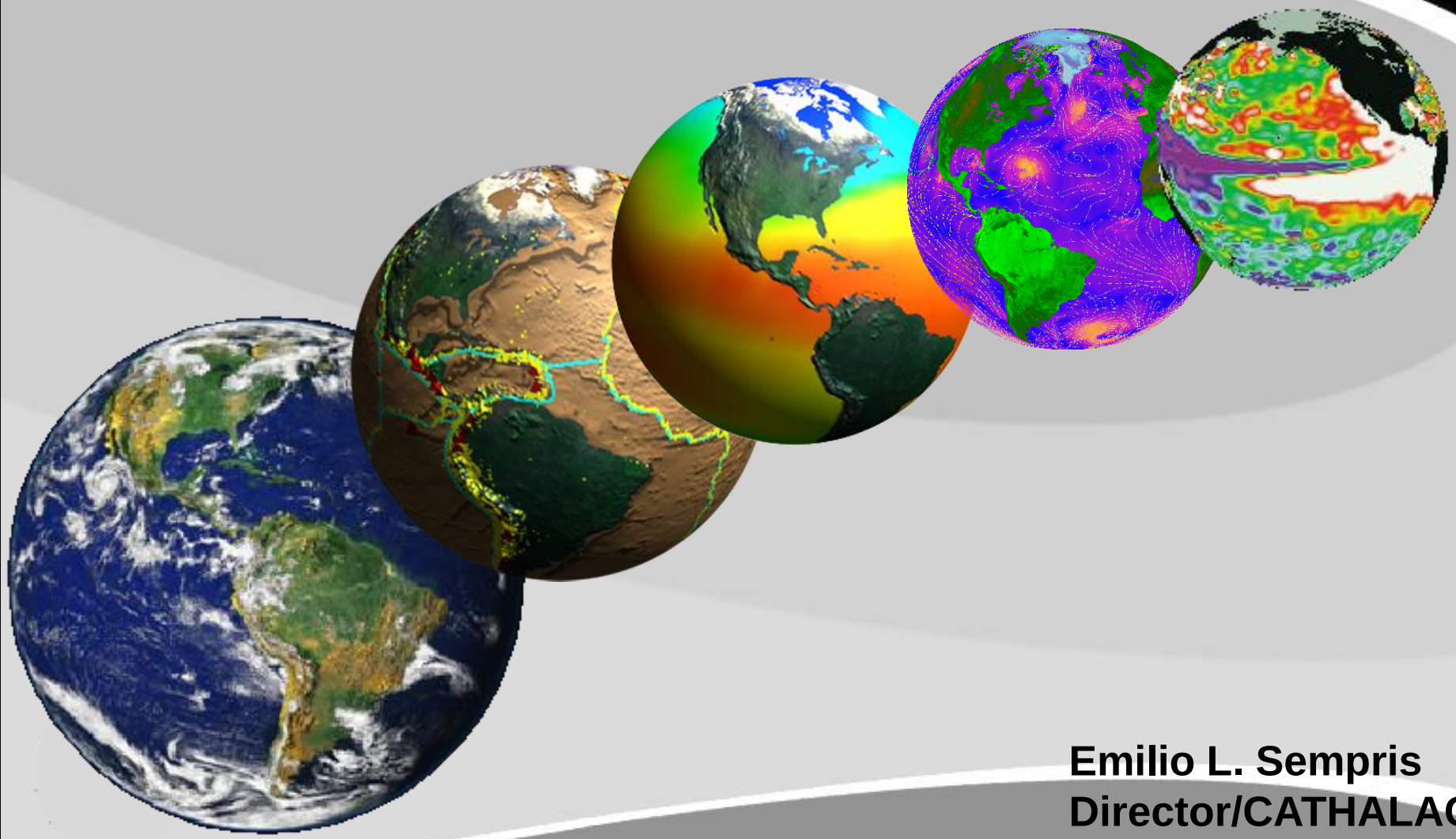
Please note that this presentation was given during the United Nations Climate Change Conference (COP-15) in Copenhagen, December 7-18, 2009 for more information please visit http://www.cop15.state.gov/ .

The Regional Visualization and Monitoring System (SERVIR)



Emilio L. Sempris
Director/CATHALAC

What is SERVIR?

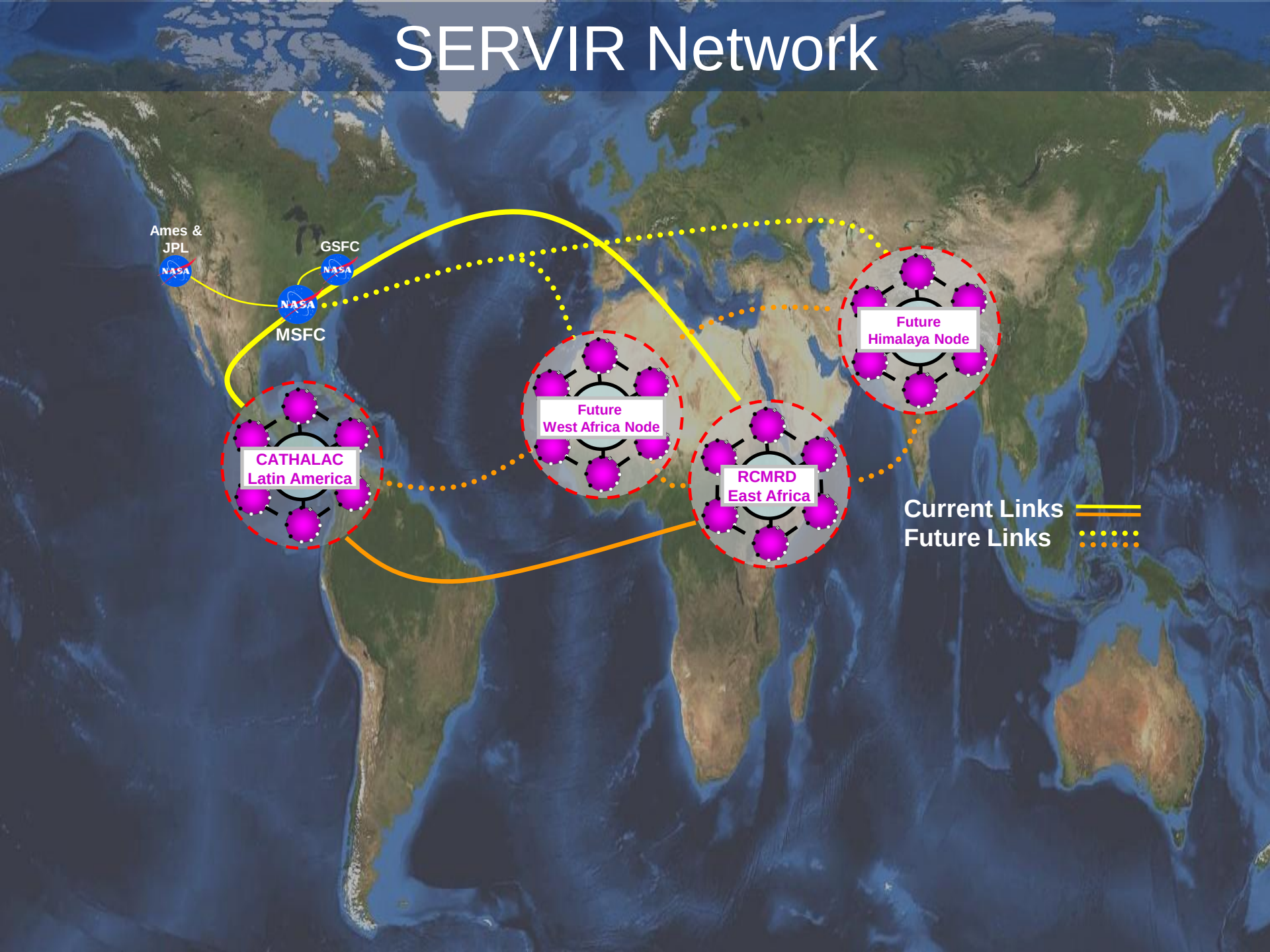
- SERVIR is a **Regional Visualization and Monitoring System** for environmental management, disaster preparedness and response, and climate change adaptation for sustainable development.
- **Low cost** system that capitalizes on existing space and ground based assets
- Leverages multiple **non-traditional partnerships**
- **Managed by host nations** who work with USAID, NASA, CATHALAC, and RCMRD to determine **applications** that meet their pressing needs
- Supported by **NASA Applied Sciences Program** and **USAID** with growing assistance from Interamerican Development Bank, European Union, and regional partners

What We Do at SERVIR

Mainstream EO into Decision Making for Sustainable Development

- Data and Models
- Online Maps
- Visualizations
- Rapid Assessments
- Training

SERVIR Network

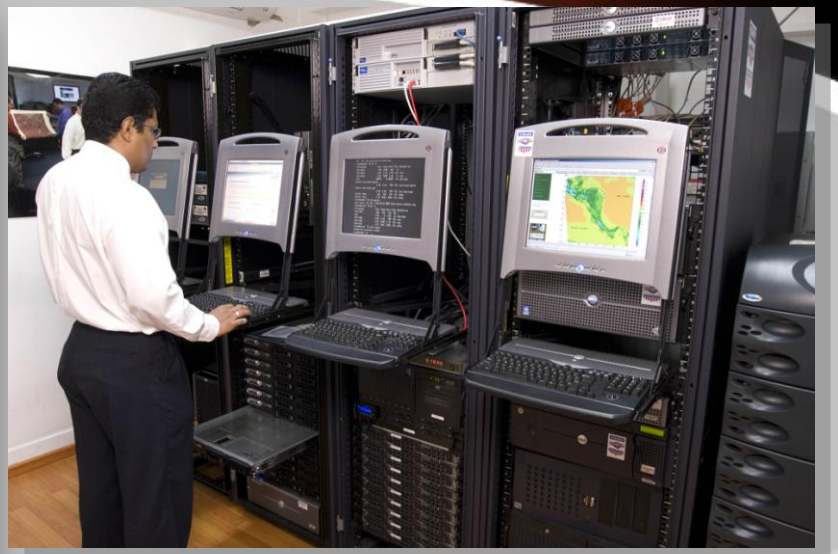


SERVIR @ NASA'sMSFC

Huntsville, Alabama, USA

SERVIR @ CATHALAC

Panama City, Panama



SERVIR-Africa @ RCMRD

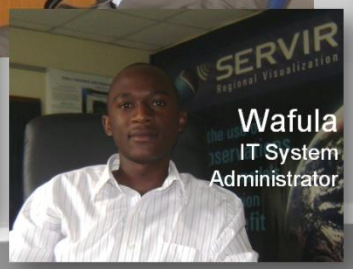
Nairobi, Kenya

Dedicated on
November 21, 2008

Erick
Project Lead
at
RCMRD

Tesfaye
Senior Scientist

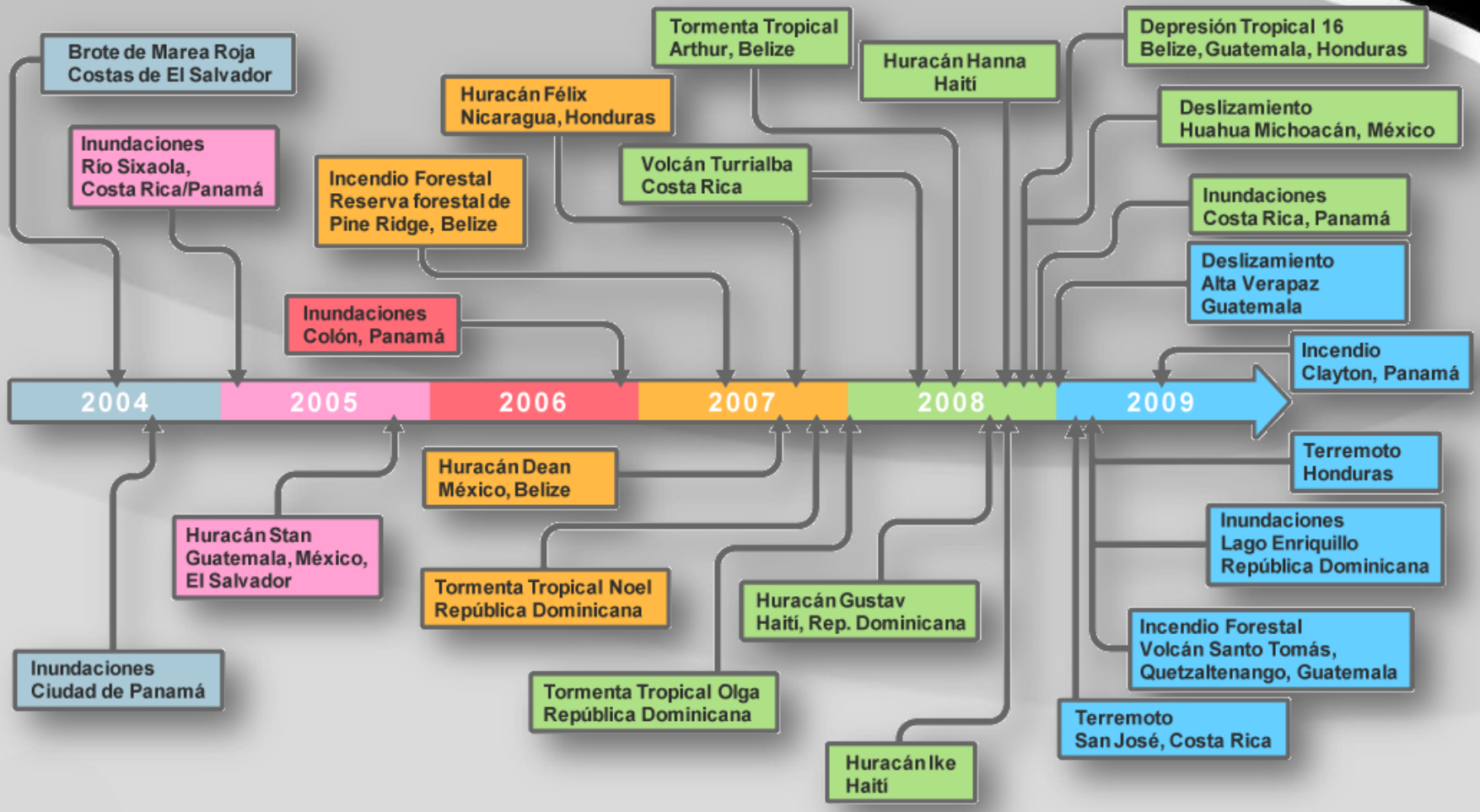
Lawrence
RCMRD
Database
Manager



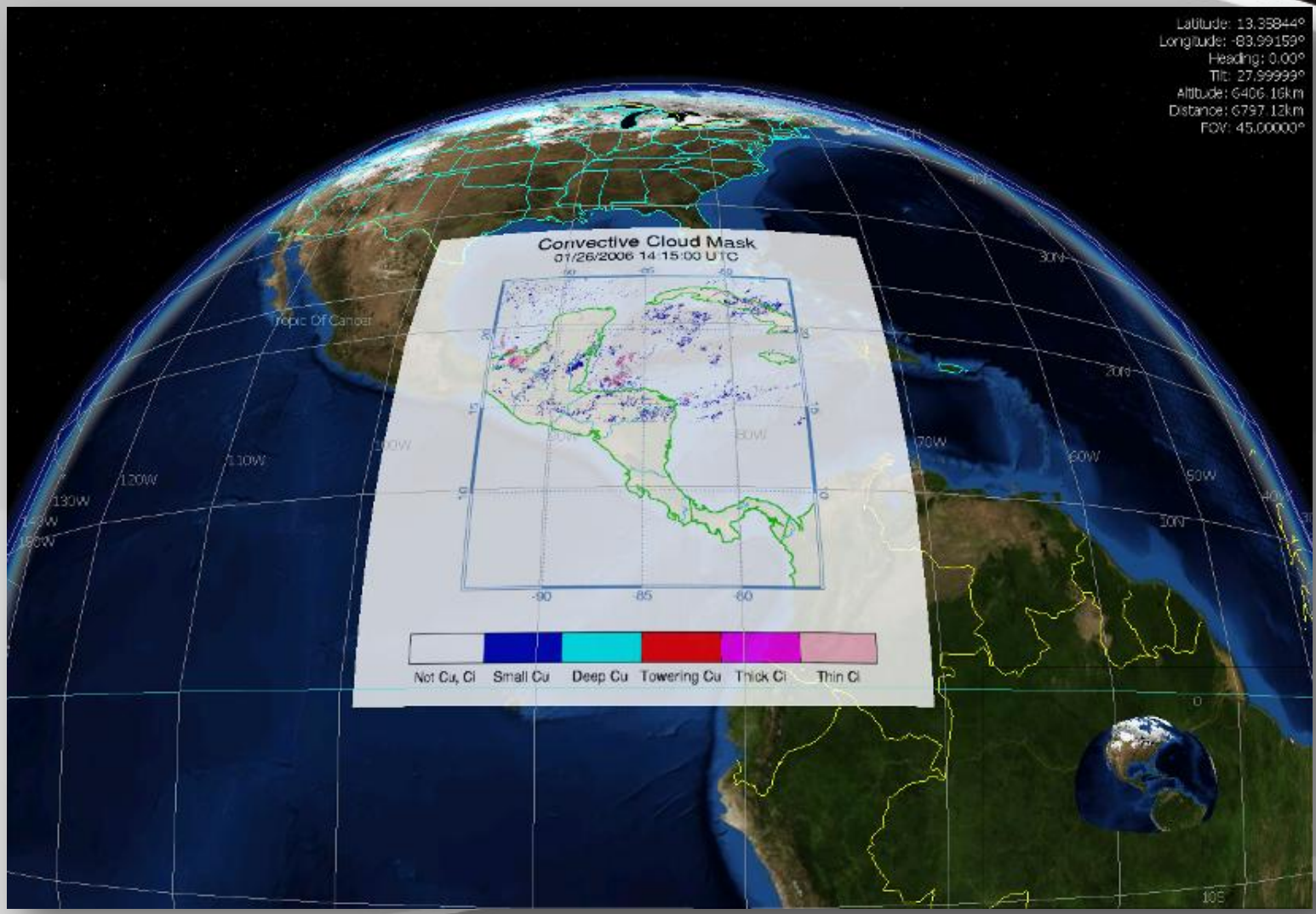
Catherine
Remote
Sensing
Analyst

John
Web services
Specialist

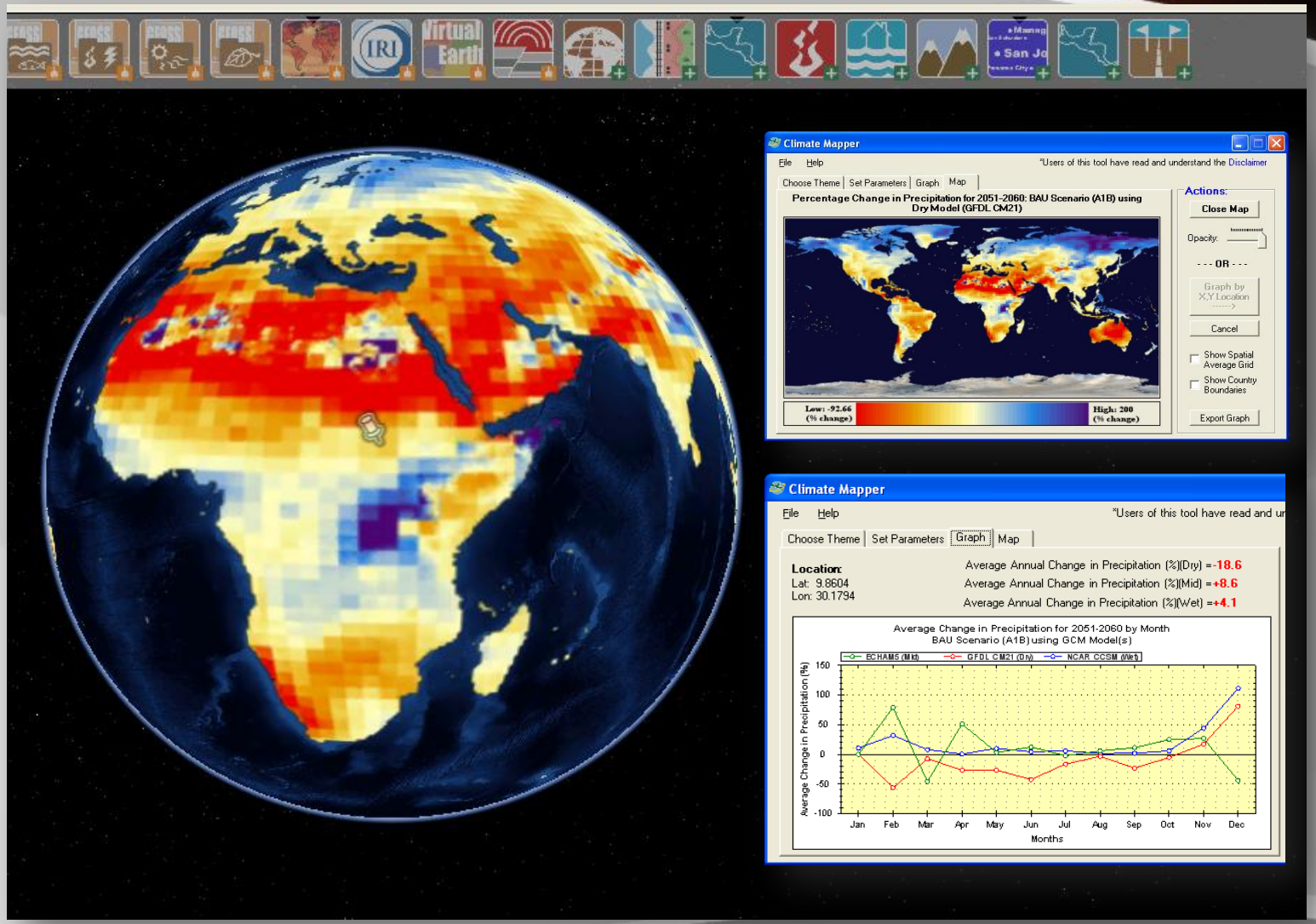
Rapid Assessment Support



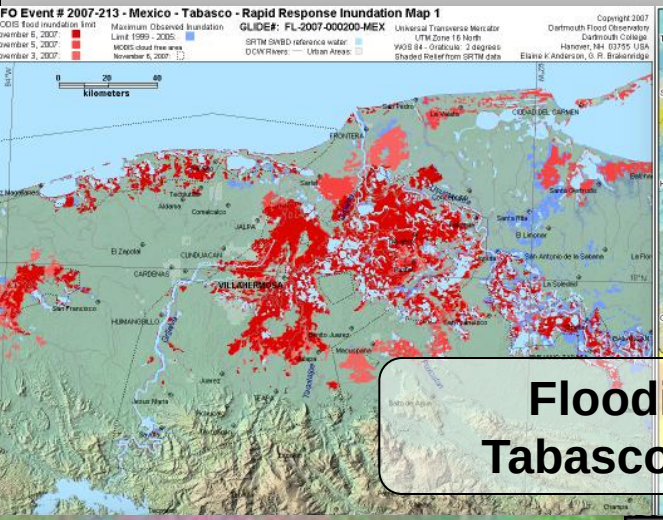
Severe Storms Monitoring

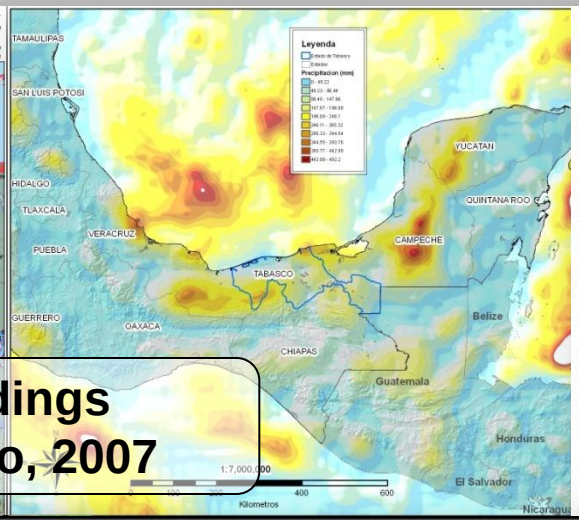


Climate Mapper



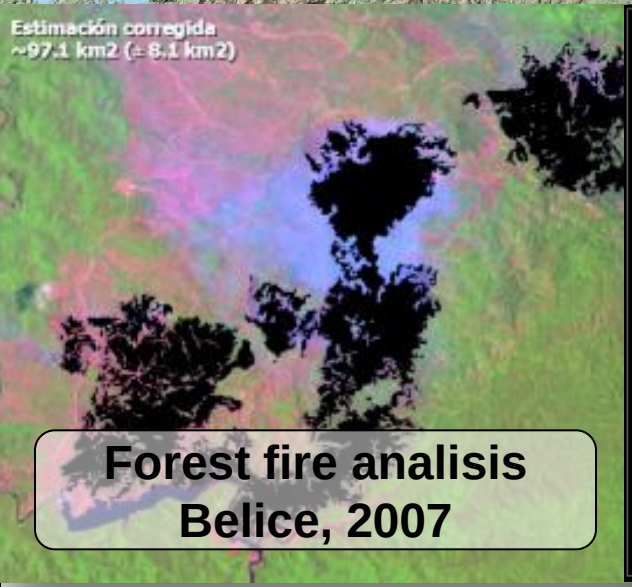
Example of Disaster Support



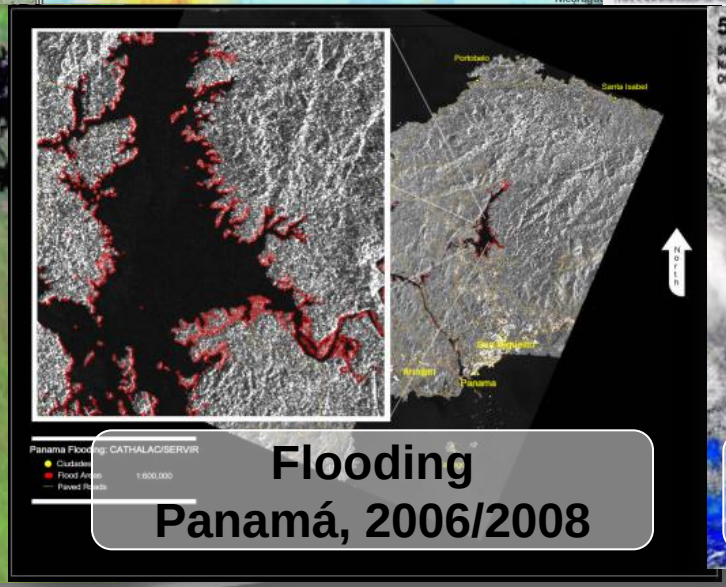


Floodings
Tabasco, 2007

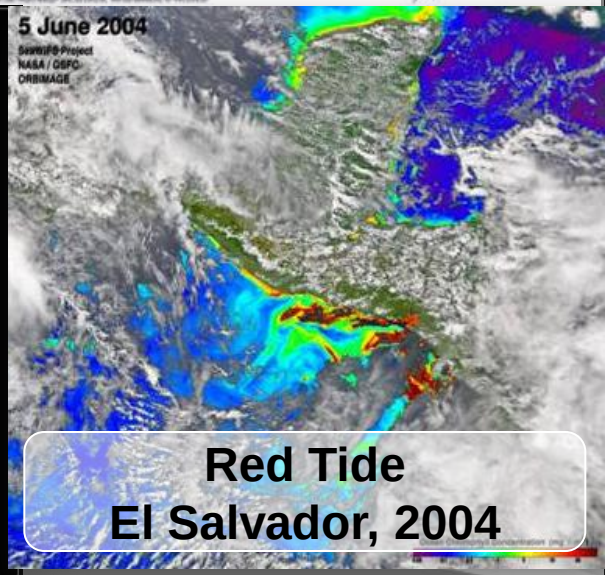
Landslides
Rep. Dominicana, 2007



Forest fire analisis
Belice, 2007



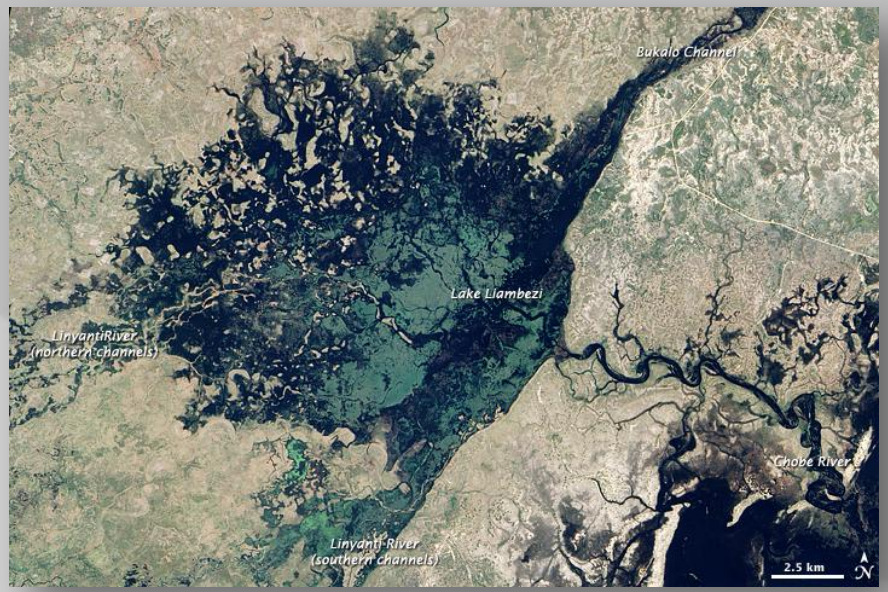
Flooding
Panamá, 2006/2008

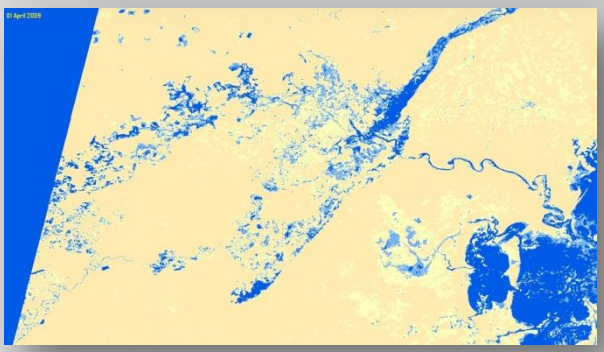


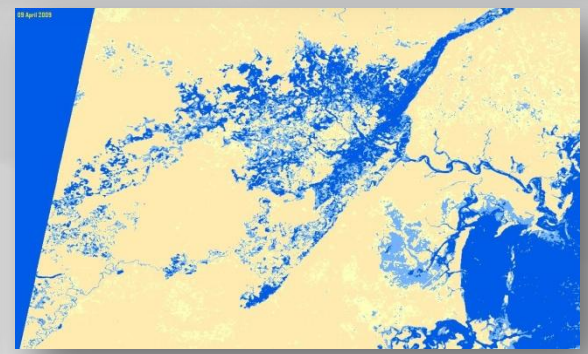
Red Tide
El Salvador, 2004

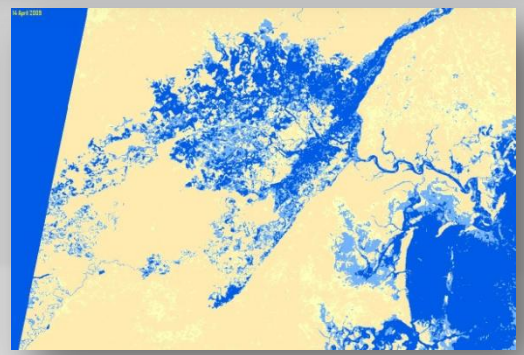
Mapping Floods in Africa

Lake Liambezi Area





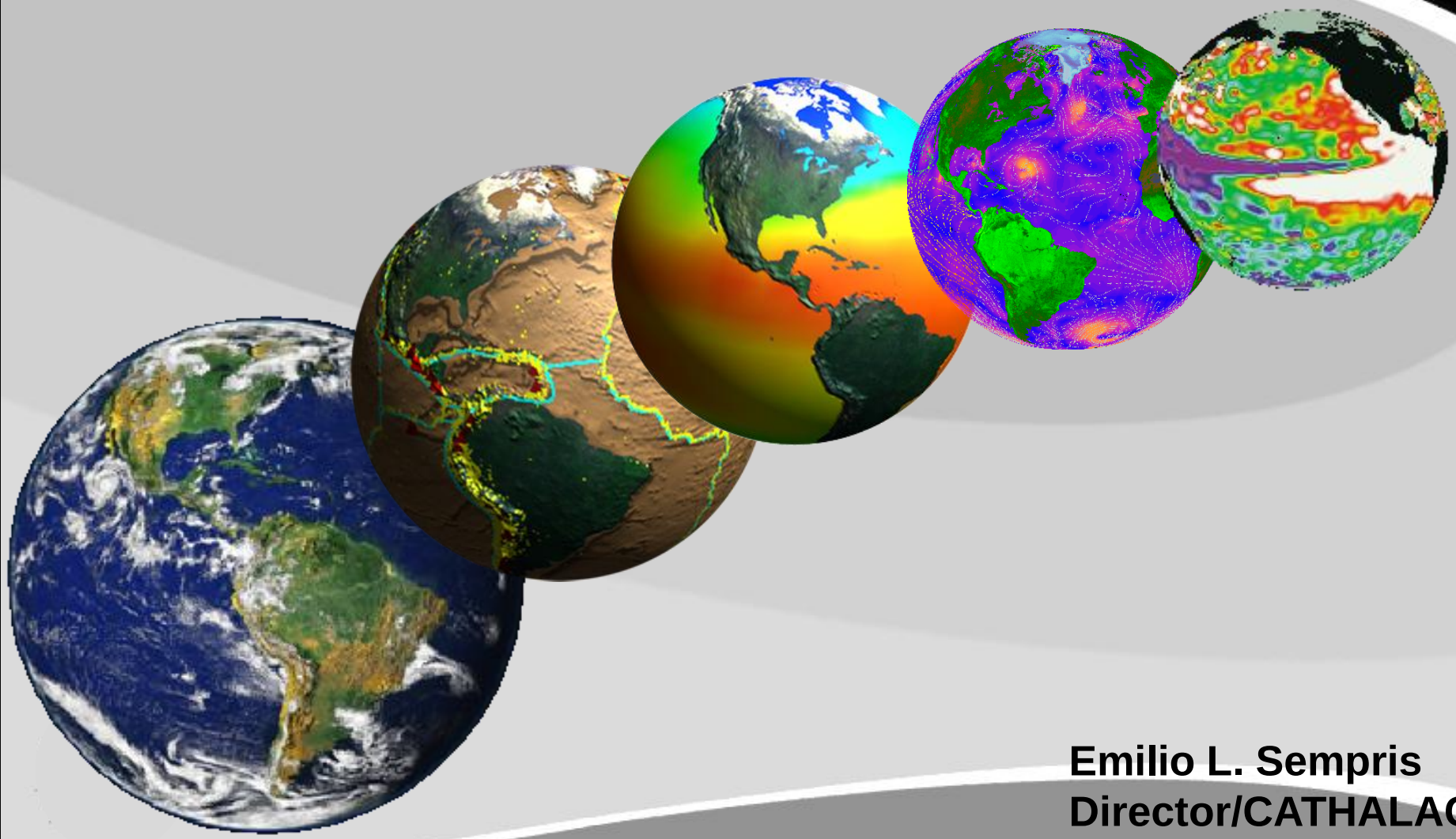




NASA EO1 SATELLITE DATA FOR 01, 09 and 14 APRIL 2009

Training & Capacity Building

The Regional Visualization and Monitoring System (SERVIR)



Emilio L. Sempris
Director/CATHALAC

Climate Change and Biodiversity