



Societal Resilience using Space Technology - Ghana as a case study

UN-SPIDER, GHANA PARTNERSHIP

Presented by

KIATCHEY EDOH YAO

M.Sc. ACDCO

National Disaster Management Organisation

(NADMO - GHANA)



OUTLINE

1. The Genesis of Ghana's Risks Identification and Management
2. The Support of Space Data Management
3. The Model of Collaboration
4. The Synergy of In-situ and Space Data Management



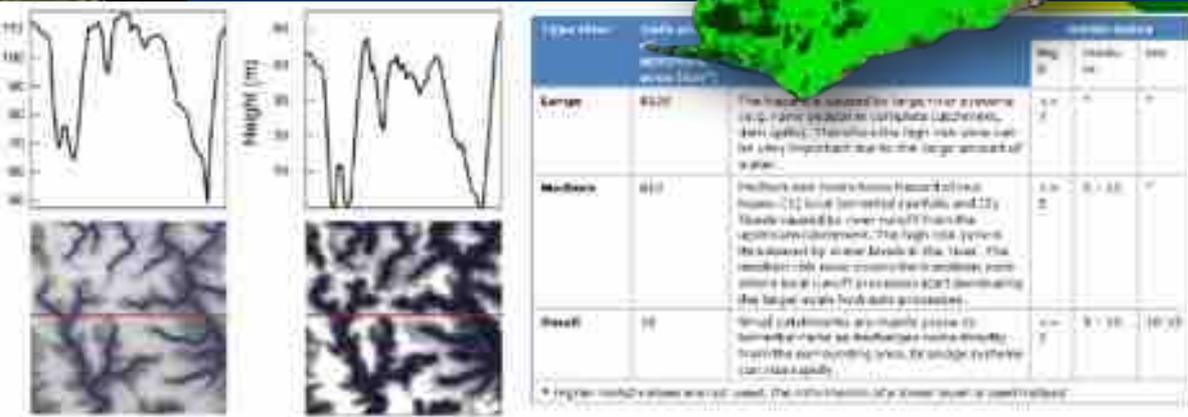


The Genesis of Ghana's Risks Identification and Management

The Technical Advisory Mission (TAM) to Ghana

CONSORTIUM OF STATE AGENCIES USING GEOSPATIAL IMAGERIES

National Emergency Operation Centre (EOC)





❖ The Support of Space Data Management

Famine Early Warning System (**FEWS**) and Communities Resilience Early Warning System (**CREWS**) projects resulted in **Rainsat Ghana**.

Finance sourced by **USAID** and **UNDP** respectively to support this good initiative of **UN-SPIDER**.

A community of practice that involves

Communities and Regional resilience in one part

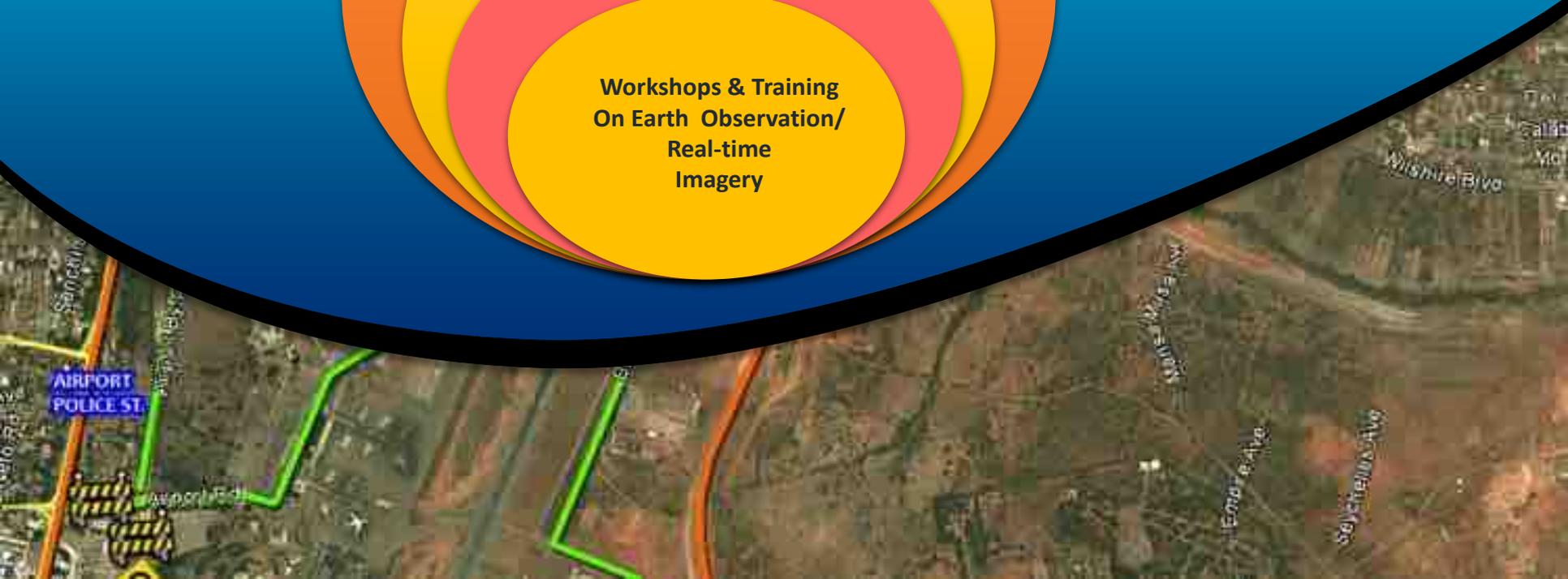
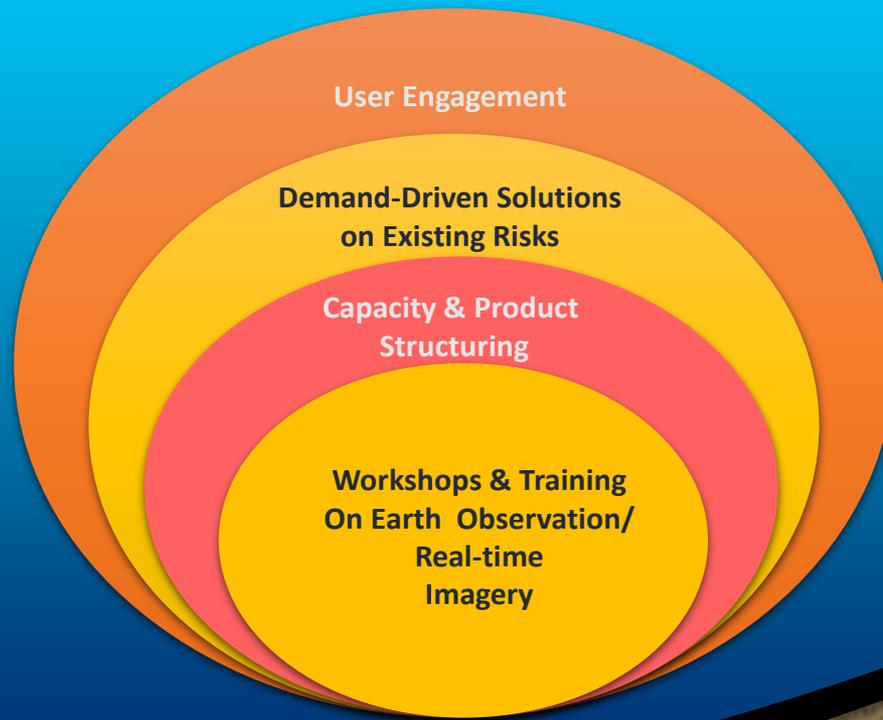
International and multinational partnership and interest in the other





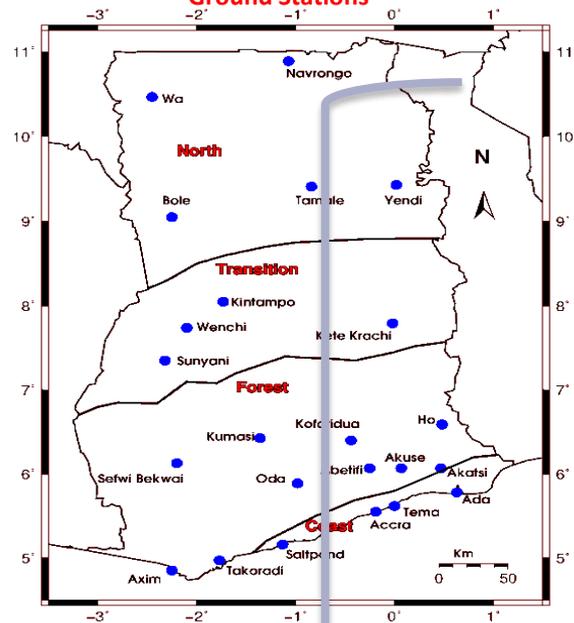
The Model of Collaboration

DISASTER RISK REDUCTION MANAGEMENT; THEMATIC OPERATIONAL AREAS



Ghana Meteorological Agency

Ground Stations

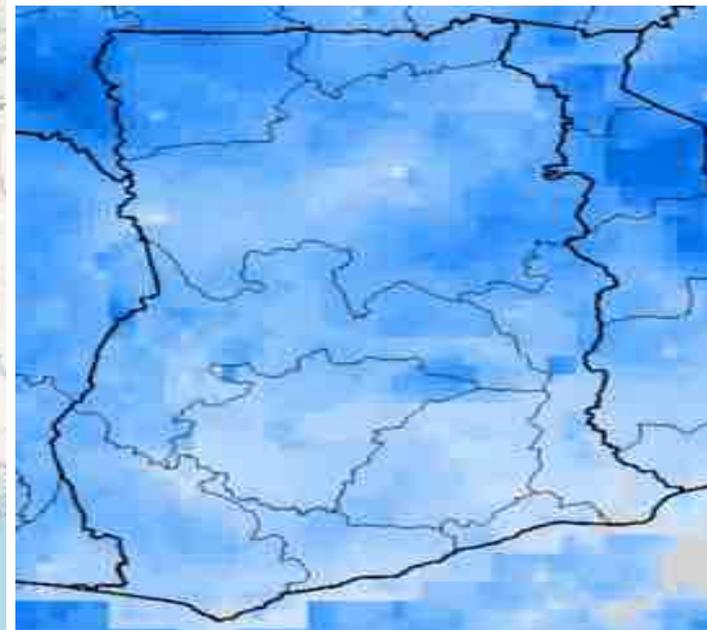


Hydrological Services Department

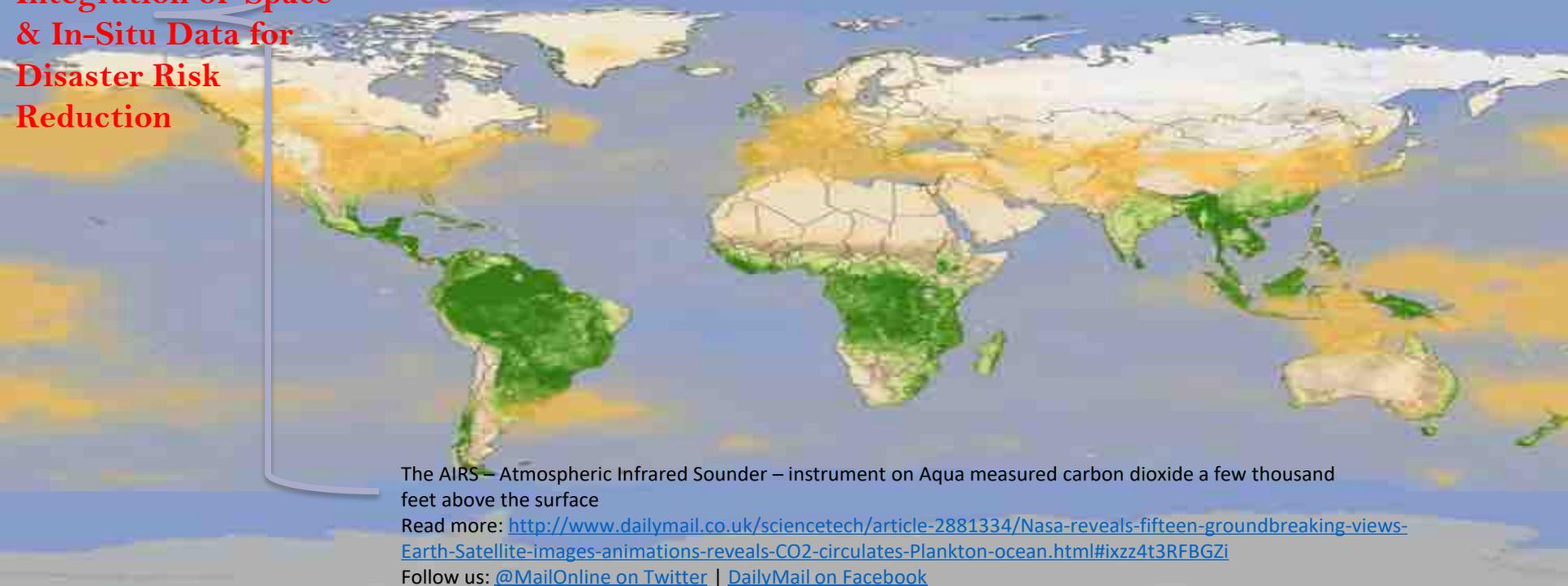
River Gauges



Satellite-based rainfall information



Integration of Space & In-Situ Data for Disaster Risk Reduction



The AIRS – Atmospheric Infrared Sounder – instrument on Aqua measured carbon dioxide a few thousand feet above the surface

Read more: <http://www.dailymail.co.uk/sciencetech/article-2881334/Nasa-reveals-fifteen-groundbreaking-views-Earth-Satellite-images-animations-reveals-CO2-circulates-Plankton-ocean.html#ixzz4t3RFBGZi>

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Model Analysis Of Development Arrangement

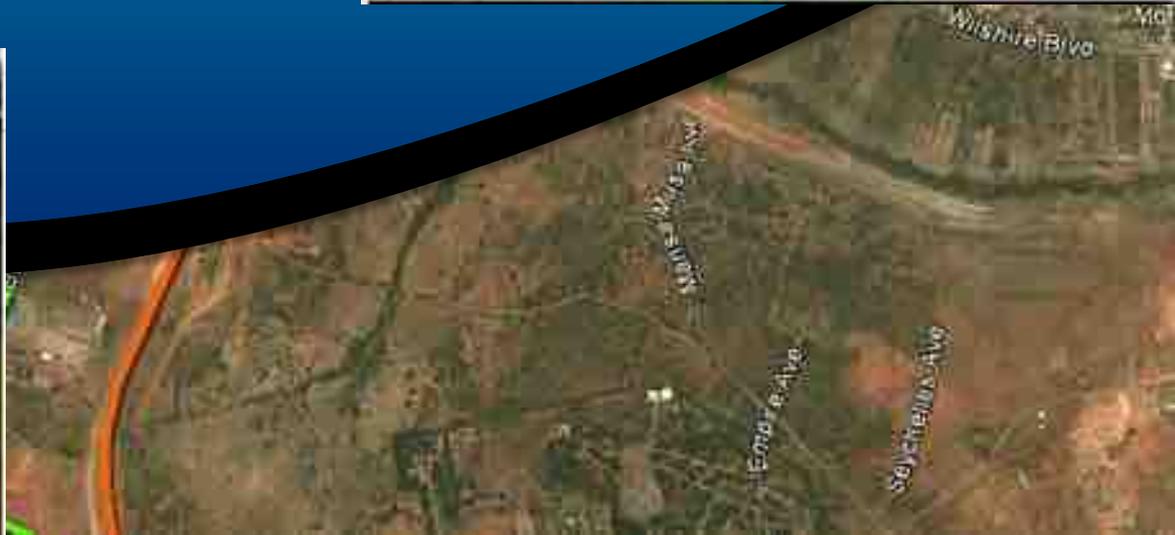
Centre for Remote Sensing and Geographic Information Services (CERSGIS)





FOOD SECURITY, WATER RESOURCES AND DISASTERS, WEATHER AND CLIMATE LAND COVER/LAND USE AND ECOSYSTEMS

- ✓ Indicators for the loss of Livestock, livelihood, meteorological conditions, ecosystem
- ✓ Destruction areas: Loss of property





THANK YOU
WELCOME TO GHANA

