GHANA MILESTONE WITH UN-SPIDER

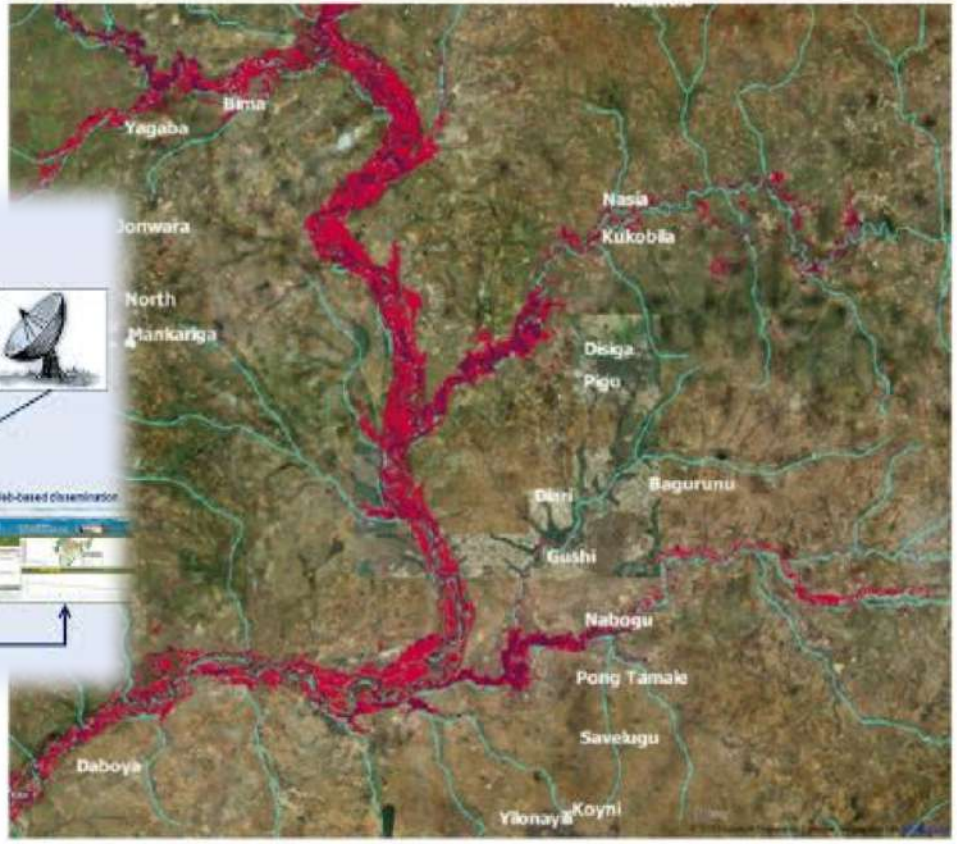
Presented By: Kiatchey Edoh Yao

NADMO - GHANA

Ghana Floods Map

Satellite imagery Management by UNSPIDER, Bonn Office

Identification of inland water bodies Ghana



White Volta River
9 Sep 2018
25 Aug 2018
Drainage network
Places
Bing Aerial Basemap

Interpretation

The map shows the increase in the extent of water bodies detected from radar satellite imagery in Northern Ghana. Extracted water bodies of the 25 Aug 2018 and 9 Sep 2018 are superimposed over a true color satellite image from earlier in 2018. The extent of the 25 Aug 2018 in dark red is illustrated above the more recent status of 9 Sep 2018. Areas covered in darker red were also inundated in September. The superimposition of the images indicates the expansion with respect to the previous extent of water bodies at a glance.

Lastly, the known drainage network as mapped by the West African Science Service Center on Climate Change and Adapted Land Use (WASCAL) is also shown.

UNITED NATIONS
Office for Outer Space Affairs
UN-SPIDER

Training on Spatial Data Management

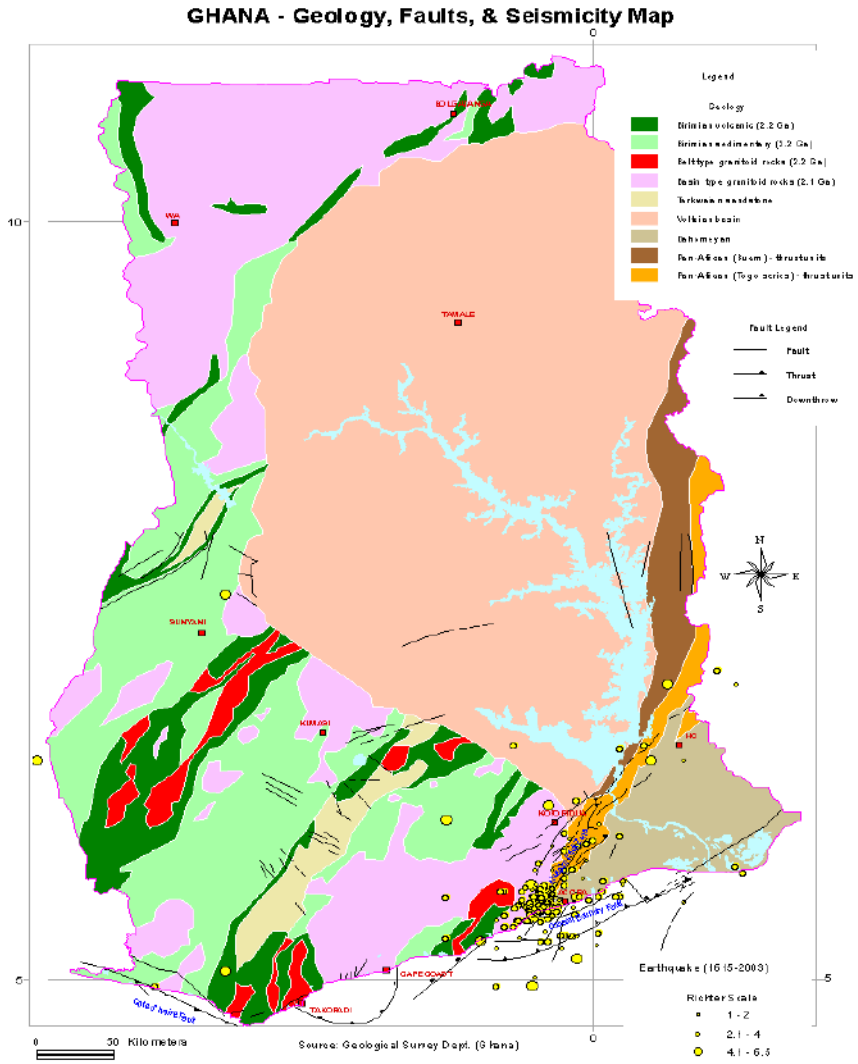
A Technical Advisory Mission (TAM) was conducted in 2013, this contributed immensely to policies, plans and activities towards Disaster Risk Reduction.

UN-Spider facilitated in October this year, to capacity building and institutional strengthening in satellite data management

1./ SNAP and RStudion Software for floods mapping and enhanced vegetation index for drought monitoring in Ghana.

2./ UN-Spider World Knowledge Portal best practices in data processing.

The Challenge for Data in Ghana



Quality satellite products and appropriate data on hazards for disaster risk reduction are essential tools to enhance effective Disaster Management for Sustainable Development Goals. However, quality data acquisition is still a major challenge in Disaster Management in Ghana.

WAY FORWARD

- Implementation of Integrated Geospatial Information System to support Ghana in handling risks, improving early warning systems and enhancing response capabilities.

- UN-SPIDER and Airbus helping Ghana to generate early warning maps of areas susceptible to landslides and to tidal waves or storm surges.

THANK YOU

WELCOME TO NADMO GHANA