

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IPB)

Author: Dr. Oladosu Olakunle
African Regional Center for Space Science and Technology Education in English (ARCSSTE-E), Nigeria

UTILIZATION OF EARTH OBSERVATION DATA IN FLOOD MONITORING AND ASSESSMENT:
GMES - CSSTE CONSORTIUM CAPACITY BUILDING EFFORTS

Abstract

The Multi-Scale Flood Monitoring and Assessment Services for West Africa (MiFMASS) is one of the supported projects under the Global Monitoring for Environment and Security Africa (GMES AFRICA) programme started 2018 and expected to end in 2021. The focus of the project is utilization of Earth Observation (EO) data for flood assessment and monitoring across the West African sub-Region. Utilization of EO data for this purpose has not been widely integrated into the works of flood risks management mandated organizations. It is therefore expedient to use freely available data on EO data especially from Copernicus Platform (Sentinel data) for the purpose of flood management. This thus requires providing capacity to the mandated organizations on the methodology of using EO data and open source software in their daily activities. Capacity building being one of the major pillars of the GMES Africa support programme has led the CSSTE Consortium to identify strategic training needs of its collaborating Partners, and Stakeholders on the MIFMASS project with the aim to train and empower them to efficiently carry out their mandate, and also sustain the project outcomes after the lifetime of the project. This paper presents various strategic training carried out to the Disaster Management Organizations, their relevance and the lessons learned under the project. Both Short and long term training were carried out. In all, Eight (8) strategic short term training workshops were held with participants drawn from over twenty five relevant mandated organizations including partners and stakeholders. Six Masters scholarship were awarded under the long term programme across the five partner countries involved in the project under the long term strategy namely; Ghana (University of Ghana; CSIR-WRI), Nigeria (CSSTE), Benin (INE), Cote D'Ivoire (CURAT) and Burkina Faso (ISESTEL; VBA). It is therefore expected that the training carried out would have high impact on the participants and in turn the region, and also fulfil the purpose of GMES and Africa.