

## Disaster Risk Reduction

### *The Gambia: Services supporting Disaster Risk Reduction in Greater Banjul*

#### *Agenda of the Virtual Training Workshop Sessions*

*09-10 December 2020 – 2:30 – 4:30 pm*

## Programme

In the frame of the collaboration between the European Space Agency (ESA) and the World Bank (WB) through the Earth Observation for Sustainable Development (EO4SD) program, the WB - Disaster Risk Management team has received the support of the EO4SD – Disaster Risk Reduction (DRR) consortium in order to carry out specific DRR related analytical work in The Gambia. The services provided are terrain deformation, bathymetry mapping, exposure analysis and flood and coastal risk assessment.

In order to maximize the benefits of this effort, the consortium is organizing a capacity building workshop with key stakeholders where they will explain the background of services provided, and expose the results obtained for the Gambia.

### **Objectives of the workshop:**

- Present the EO4SD program and the services that can be delivered
- Present the Disaster Charter activities
- Showcase the results obtained for The Gambia
- Create awareness of the potential on EO for environmental monitoring and DRM within local stakeholders
- Discuss about further cooperation opportunities

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**Day 1 – Overview of the EO4SD program and presentation of the services**

Time	Agenda	Description
<b>Session I</b>		
<b>Wednesday, Dec 9, 2:30-4:30 pm</b>		
<b>Introductions</b>		
2:30-2:35	Keynote speech (WB)	
2:35-2:40	Opening remarks (NDMA)	
2:40-2:45	Introduction to the session (EO4SD DRR, A. Lorenzo)	EO in the DRM life cycle: from disaster response to disaster resilience Presentation of the participants and objectives of day 1
<b>The Charter</b>		
2:45-3:00	The contribution of satellite EO to Disaster Response (ESA, Philippe Bally & ARGANS, T. Papadopoulou)	How Earth Observation contributes to disaster response. The example of the Disaster Charter for the International Charter Space & Major Disasters
3:00-3:10	Q&A session	
<b>EO4SD DRR</b>		
3:10-3:20	Contribution of Earth Observation for Disaster Risk Reduction in International Development Assistance (Indra/Alberto)	The efforts of ESA for International Development Assistance The EO4SD program The EO4SD DRR projects
3:20-3:30	Demonstration exercise overview (ARGANS, FR.Martin-Lauzer)	Outcomes and constraints. Use of the data. Requirements for provision of decision making supporting services
3:30-3:45	Highlights of Coastal flood / Bathymetry with EO in The Gambia (ARGANS)	Explanation of the services provided under EO4SD DRR project
3:45-4:00	Highlights of terrain deformation with EO in The Gambia (Planetek)	Explanation of the services provided under EO4SD DRR project
4:00-4:15	Highlights of exposure mapping with EO in The Gambia (Indra)	Explanation of the services provided under EO4SD DRR project
4:15-4:30	<b>Discussion</b>	Feedback and discussion

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**Day 2 – Technical session on the results obtained for The Gambia**

Time	Agenda	Description
<b>Session II</b>	<b>Thursday, Dec 10, 2:30-4:30 pm</b>	
2:30-2:35	Welcome to the second day (WB)	Introduction
2:35-2:45	Opening remarks (KMC)	
2:45-2:50	Introduction to the session (EO4SD DRR, A. Lorenzo)	Wrap-up of day1 and objectives of day 2
<b>EO sources bring up solutions</b>		
2:50-3:05	InSAR technique for monitoring ground deformation (Planetek)	Key fundamentals /methods, Success stories Examples through Rethicus platform
3:05-3:10	Q&A Session	
3:10-3:25	Coastal cities at risk (ARGANS)	Key fundamentals /methods & Success stories Limits of the technique and way forward
3:25-3:30	Q&A Session	
3:30-3:45	Knowing how urban's assets are exposed to hazard (Indra)	Key fundamentals /methods & Success stories Conventional workflow: Transportation network and Pols, Population exposed, LULC Novel Techniques: AI for efficient/scalable mapping
3:45-3:50	Q&A Session	
3:50-4:00	Use of the data (Indra) Validation and verification (Indra)	Data integration. Geoportal for dissemination and collaborative work (Indra) Built-up area. Potential methods for cross-validation with detailed mapping (Indra)
4:00-4:05	The Platform for Environmental Data (UNOPS)	Brief overview of the platform: objectives, features
4:05-4:20	<b>Discussion</b>	
4:20-4:25	<b>Take home messages (Indra)</b>	
4:25-4:30	<b>Closing remarks</b>	Feedback and discussion