

UN-SPIDER/DLR-GloFAS-ZFL International Training Workshop on Space Technologies for Flood Management

Agenda

Monday, 20 February 2023

13:00 – 14:00	Registration	
International Training Workshop Opening Segment		
14:00 – 14:15	Opening Ceremony <ul style="list-style-type: none"> - Welcome remarks by UN-SPIDER - Welcome remarks by DLR - Welcome remarks by GloFAS - Welcome remarks by ZFL - Group photo 	UN-SPIDER, DLR, GloFAS and ZFL
SESSION 1: Global Flood Awareness System (GloFAS)		
GloFAS is one of the services of the Copernicus programme that is providing relevant geospatial information that can be used to improve flood early warning systems. UN-SPIDER, GloFAS, ZFL and other partners are implementing a pilot project to incorporate the routine use of GloFAS to improve flood early warning systems through the introduction of impact-based warnings.		
14:15 – 15:30 pm	Introduction to the Global Flood Awareness System (GloFAS)	
15:30 – 15:50	Coffee Break	
15:50 – 17:30	Introduction to the Global Flood Awareness System (GloFAS)	Stefania Grimaldi, GloFAS
End of first day		

Tuesday, 21 February 2023

SESSION 2: Rapid Flood Mapping procedures		
<p><i>This segment of the session will be used to present AI and other tools that can be used for rapid flood mapping. The session will start with a presentation on two UN-SPIDER Recommended Practices that can be used for rapid flood mapping. One is developed to use Google Earth Engine and the other one is developed to use Google Collab. In the afternoon, DLR will present a tool using AI and Google Earth Engine for rapid flood mapping.</i></p>		
09:00 – 10:30	UN-SPIDER Recommended Practice on Flood Mapping using Sentinel 1 satellite imagery and Google Earth Engine	Martin Hilljegerdes, UN-SPIDER
10:30 – 11:00	Coffee Break	
11:00 – 12:30	UN-SPIDER Recommended Practice on Flood Mapping using Sentinel 1 satellite imagery and Google Collab	Victor Hertel, DLR
12:30 – 14:00	Lunch	
14:00 – 15:30	AI procedure for monitoring precipitation and flood mapping using Google Earth Engine	Gina Schwendemann, DLR
15:30 – 16:00	Coffee Break	
16:00 – 17:15	AI procedure for flood mapping using Google Earth Engine	Gina Schwendemann, DLR
17:15 – 17:30	Accessing Global Flood Monitoring info in GloFAS	Stefania Grimaldi, GloFAS
End of second day		

Wednesday, 22 February 2023

SESSION 3: Flood Management Simulation		
<p>Description: <i>This session will allow participants to practice the use of the tools presented in the previous days. Participants will be divided into four groups to generate relevant geospatial information for early warning and rapid mapping. Examples of historic floods in Africa, Asia and Latin America will be used for this segment.</i></p>		
09:00 – 10:30	Simulation of floods in Africa, Asia, and Latin America	Working groups
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Continue of simulation of floods	Working groups
12:30 – 14:00	Lunch	
14:00 – 15:30	Presentation of results by groups. Every group will have 10 to 15 minutes to present their results	Working groups
15:30 – 16:00	Coffee Break	
16:00 – 16:30	Discussion, conclusions and closing segment	UN-SPIDER, DLR, GloFAS and ZFL
End of training workshop		