

## Center for Remote Sensing of Land Surfaces (ZFL)

UN-SPIDER support activities, Covid-19 impacts and work plan for 2021

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10th Annual UN-SPIDER Regional Support Offices Coordination Meeting November 2020

### News Bonn



## CESOC-Founding: Together we see more

Universities of Bonn and Cologne and Forschungszentrum Jülich found the Center for Earth System Observation and Computational Analysis (CESOC)

The University of Bonn, the University of Cologne and Forschungszentrum Jülich have founded a joint Center for Earth System Observation and Computational Analysis (CESOC). This creates a high-profile international focal point in the Rhineland for global Earth system observation with the aim of making strides toward a comprehensive understanding of our planet and better predicting changes.

#### New UN Organisation for Bonn in 2021

Fri, 09/18/2020 - 11:45

The Global Geodetic Centre of Excellence (GGCE), a new UN organisation will open on the UN Campus in Bonn in 2021.

#### ARTICLE

#### All Access Bonn: The proposed new ECMWF location at the heart of Europe – The German offer





- SPEAR Initiative is supporting the UN-SPIDER Bonn office from 2019-2023
- Since 2020, close collaboration with Ruhr-University Bochum (GER)
- Improvement and development of Recommended Practices
- Support of UN-SPIDER Missions to African countries
- Providing maps and data to African countries
- Support organization of UN-SPIDER events in Bonn and Africa
- Participation in the production of the UNOOSA MOOC

## Global Drought Monitoring with GEE





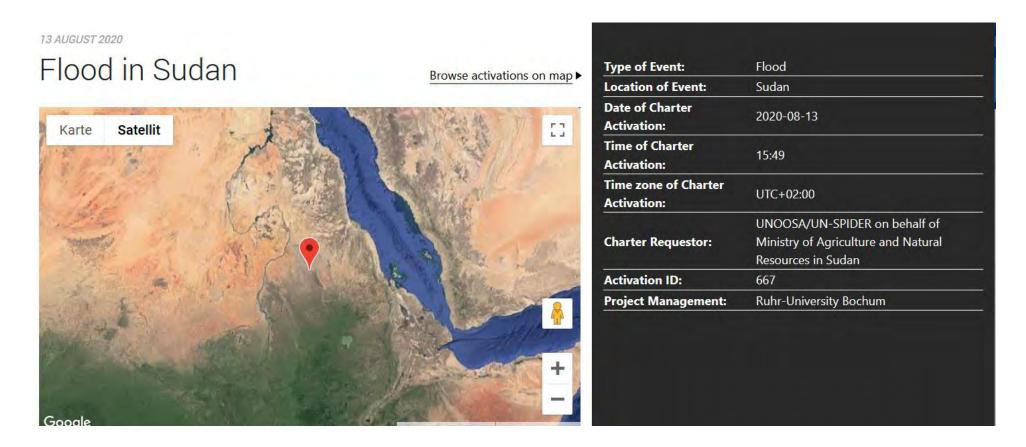
### Drought monitoring using the Standardized Vegetation Index (SVI)

**UN-SPIDER Recommended Practice** 



## SPEAR Team during Activation of the International Charter



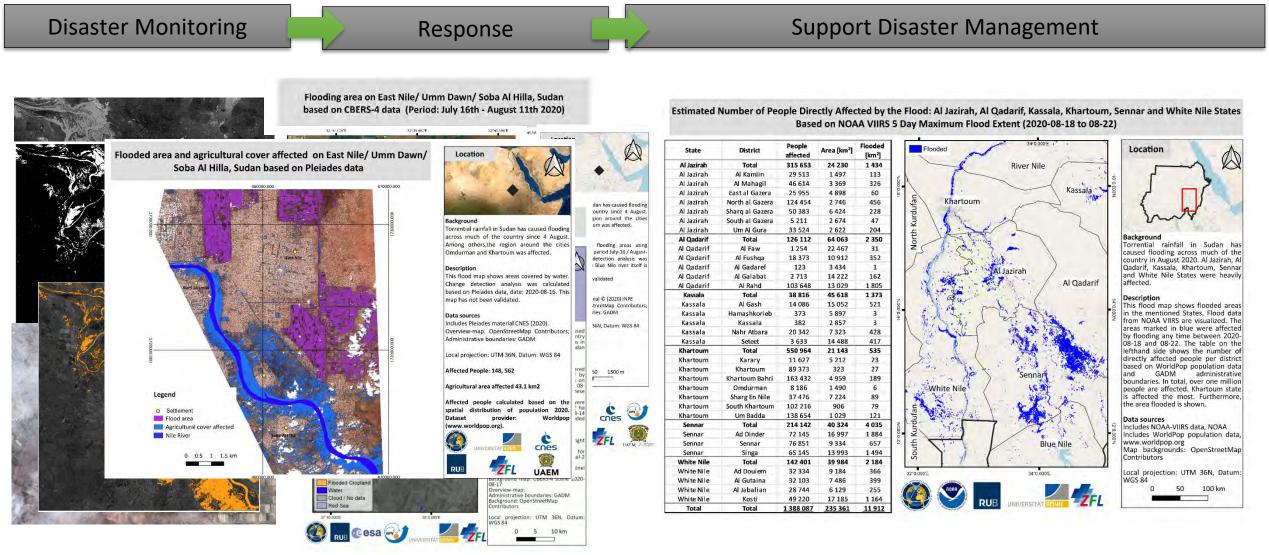


Collaboration between University of Bonn, Ruhr-University Bochum and UN-SPIDER to support Sudan

# SPEAR Team during Activation of the International Charter

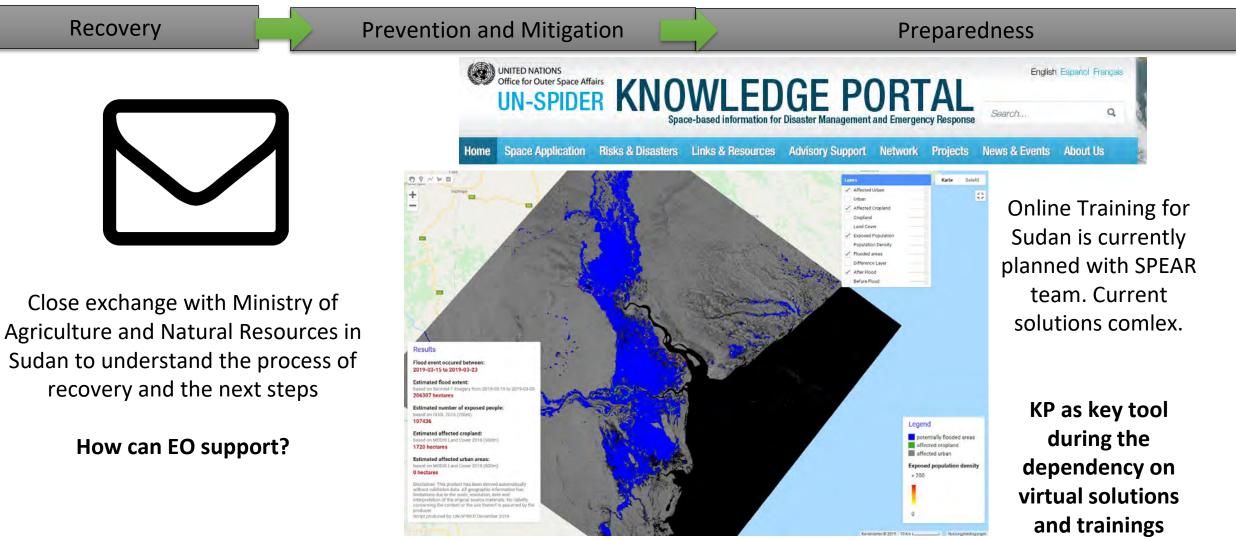


### During the Activation

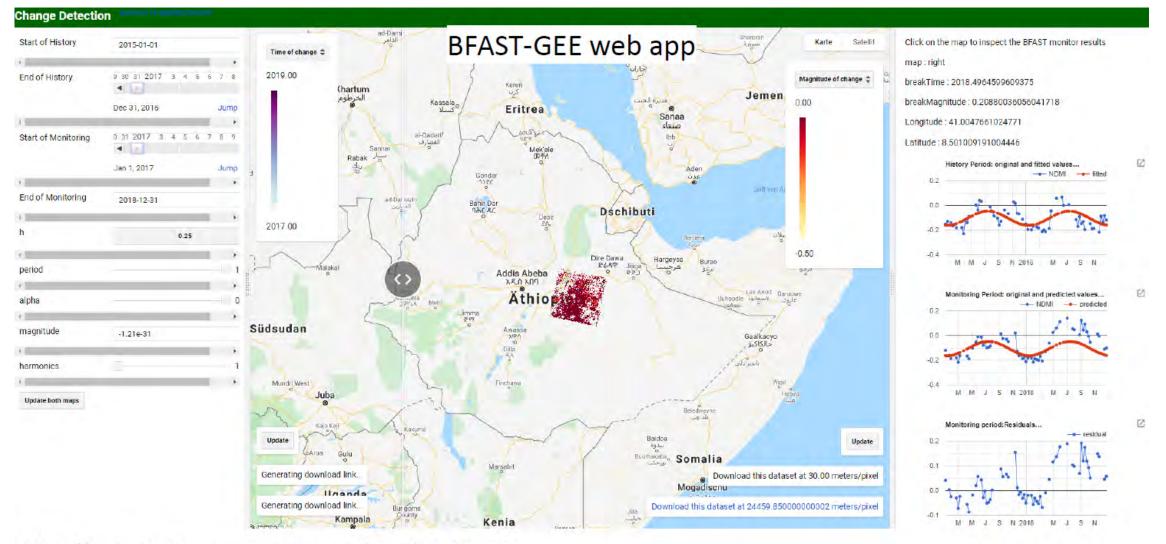


# SPEAR Team during Activation of the International Charter

### After the Activation



## Locust: Monitoring across-scales with free and open data and tools



UNIVERSITÄT BONN

https://andreim.users.earthengine.app/view/bfastmonitor

## Covid-19 impacts and adjustments



• 2020:

- Several planned missions to African countries and expert meetings could not take place
- Virtual alternatives have been implemented as compensation
  - Virtual expert meeting in July 2020 organized by ZFL and UN-SPIDER Bonn
  - Several telecons and training events with representatives of African countries performed by UN-SPIDER
  - Virtual training event planned with Sudan
- 2021:
  - Explore new ways to make use of virtual and online formats to replace inperson meetings
  - Support UN-SPIDER by strengthening e-learning capabilities of the knowledge portal

## Work Plan 2021



#### **SPEAR project activities continue in 2021**

- Support of UN-SPIDER Missions in Africa and Events in Bonn and Africa
  - If still no in-person meetings possible 2 alternative virtual events
- Identify potential partners and funding for development of e-learning components for the UN-SPIDER Knowledge Portal
- New Copernicus user uptake project together with DLR



- Improve uptake of Copernicus products and services in Africa for disaster management and disaster risk reduction
- Develop guidelines, training materials and courses that can also support UN-SPIDER missions and become part of the Knowledge Portal