



ZFL of University of Bonn and UN-SPIDER: Joining forces to enhance the use of space-based information in Africa

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UN-SPIDER: Mission statement



„Ensure that all countries have access to and develop the capacity to use all types of **space-based information** to support the **full disaster management cycle.**“

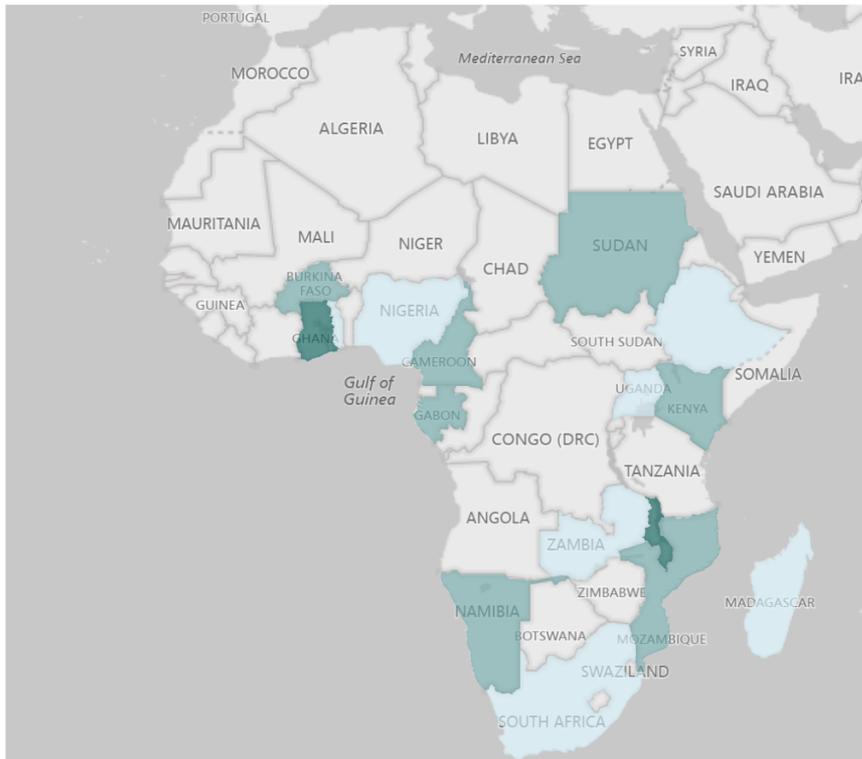
United Nations General Assembly
Resolution 61/110 (2006)



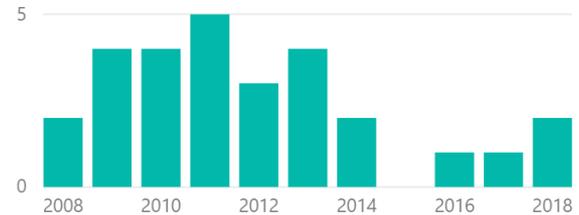
UN-SPIDER in Africa

28

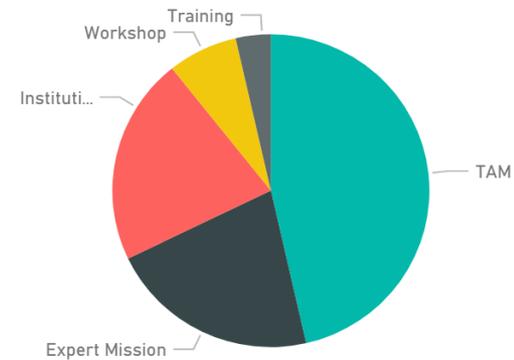
UN-SPIDER activities in Africa



Number of activities by year



Activity type



UN-SPIDER Regional Support Offices

Country	Regional Support Office
Algeria	Algerian Space Agency (Agence Spatiale Algerienne, ASAL)
Nigeria	National Space Research and Development Agency (NASRDA)
Kenya	Regional Centre for Mapping of Resources for Development (RCMRD)



University of Bonn Rheinische Friedrich-Wilhelms- Universität

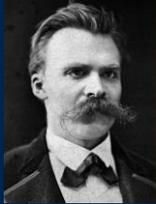
34.000 students
545 professors
2 nobel laureates
371 buildings incl. 2 castles



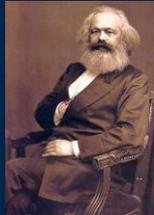
University of Bonn - established in 1818



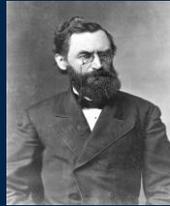
Heine



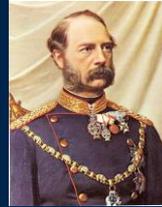
Nietzsche



Marx



Schurz



Christian IX



Adenauer



Benedict



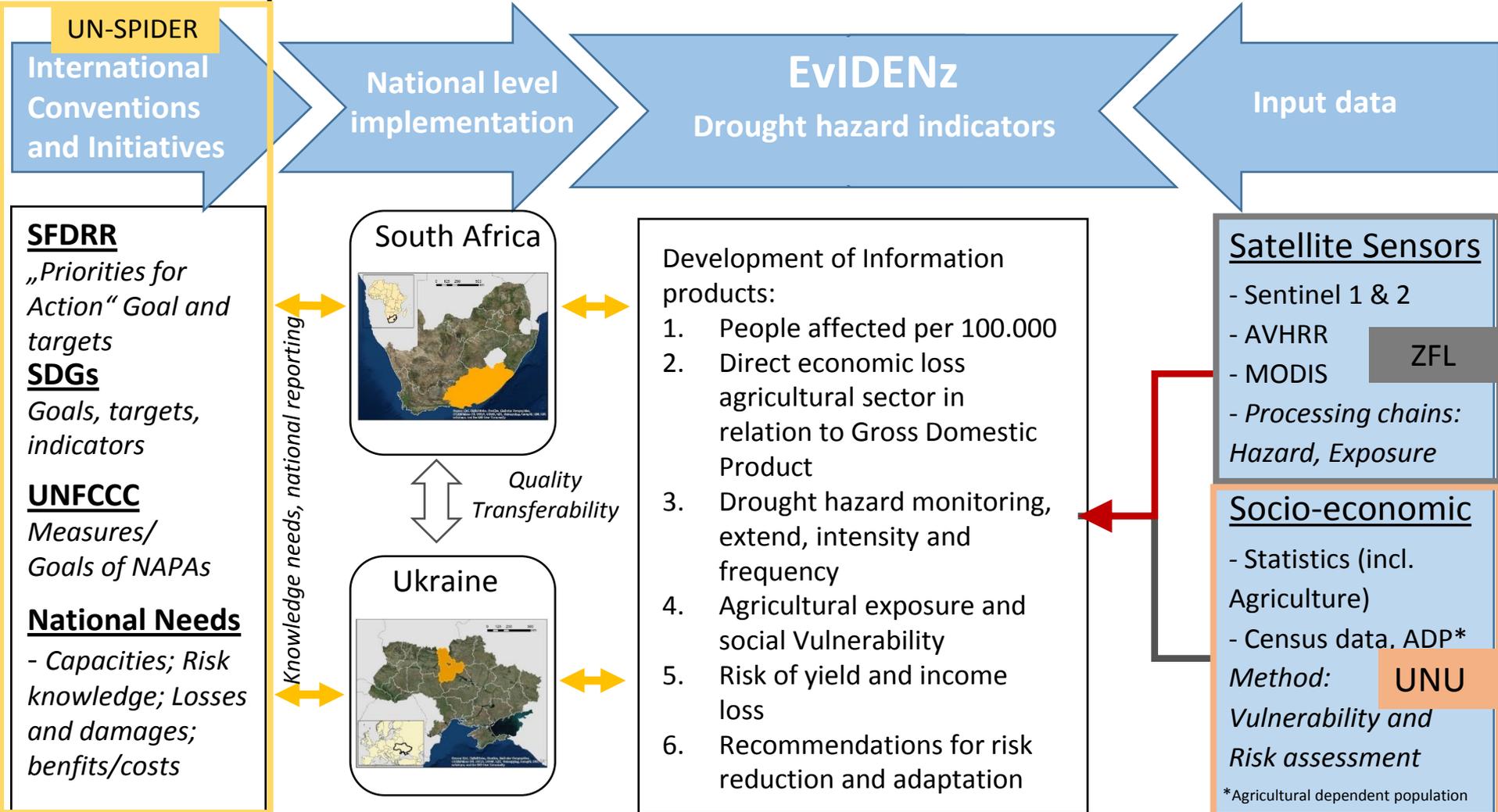
Thiele-Eich

ZFL - established in 2001

Center for Remote Sensing of Land Surfaces
Interdisciplinary Research Center for
Earth Observation and Spatial Analysis

EvIDENz Project – A model for cooperation

A: Schematic representation of EvIDENz elements



SPEAR Project

Space-based Earth Observation Applications for Emergency Response and Disaster Risk Reduction

University of Bonn & UN-SPIDER

Duration 1.1.2019 – 31.12.2013

Funded by DLR

SPEAR aims to understand needs, develop solutions and strengthen national capacities in using space-based information for disaster monitoring and prevention in Africa in line with international and regional frameworks.



Awareness Raising & Outreach

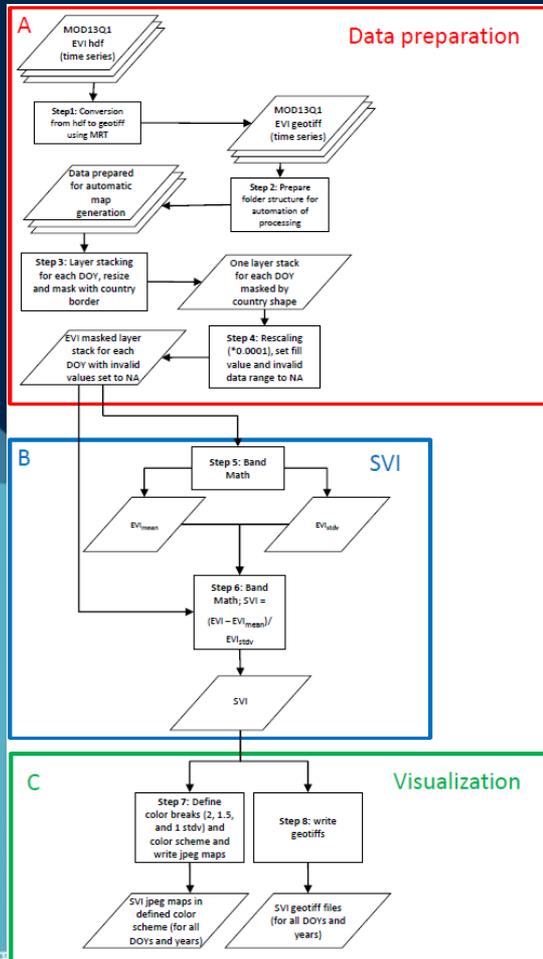


- Elaboration and dissemination of awareness raising material (flyers, Newsletters, brochures).
- Organization of International Conferences in Bonn and Regional Expert Meetings in Africa.



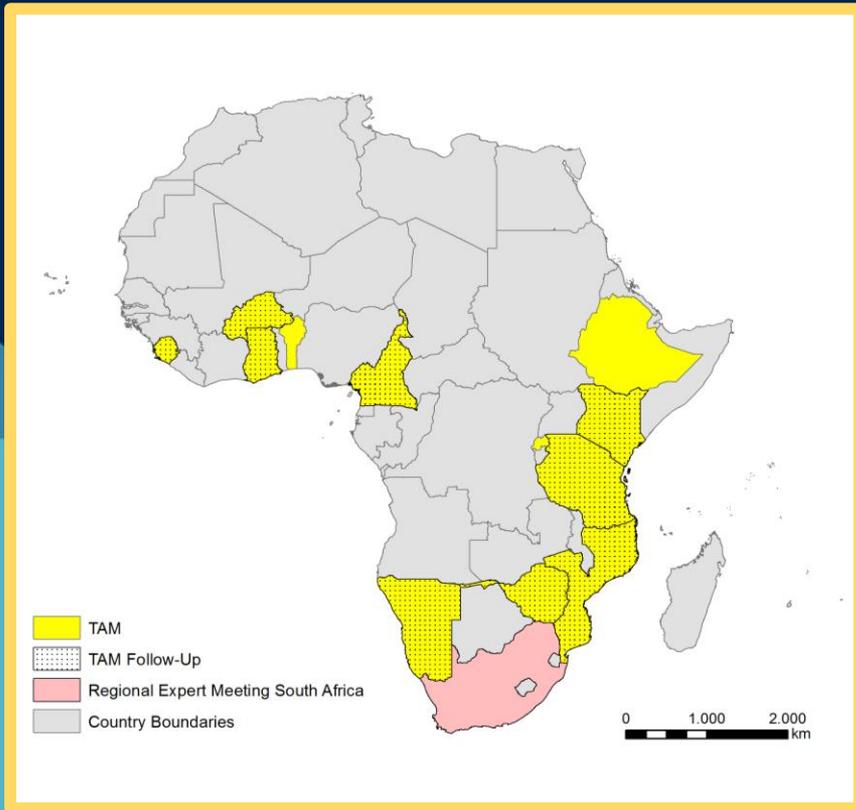
- Participation in events organized by partners including DLR, UNISDR, UN-SPIDER Regional Support Offices, CEOS, Space Agencies, etc.

EO based methods, tools and applications



- Development of Earth observation tools in close collaboration with partners in Germany, Europe, and Africa.
- Development of toolboxes for risk assessment, early warning, disaster response, and recovery.
- Enhanced use of products such as DEM, GUF and GHSL.
- Cloud-based computing solutions.

Technical Advisory Support

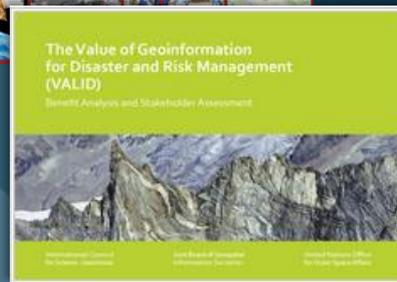
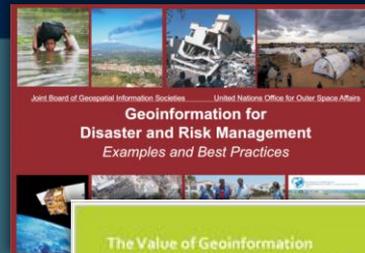
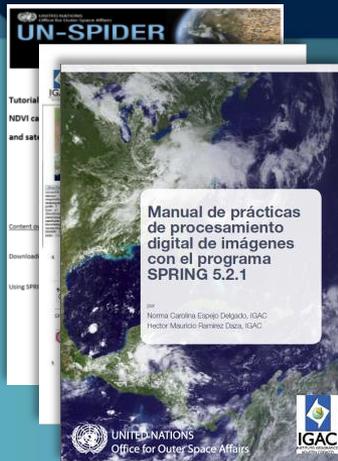


- Conduction of Technical Advisory and Institutional Strengthening Missions to countries in Africa.
- Conduction of training activities.
- Institutionalizing the use of space-based information in disaster management activities.

Knowledge Management



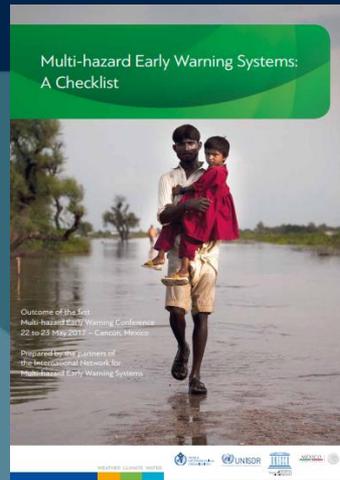
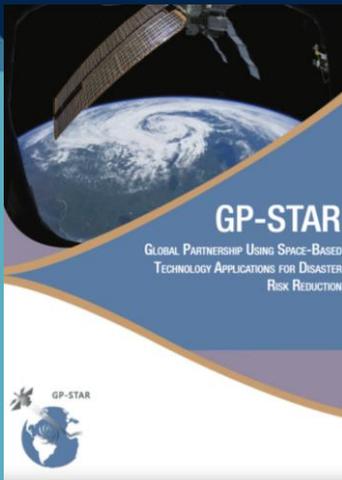
- Enhancing the UN-SPIDER Knowledge Portal.
- Design and implementation of an e-learning environment.
- Guidelines for use of new tools and methods.



Strategy & Partnerships



- Enhancing the role of the UN-SPIDER Regional Support Offices and National Focal Points.
- Coordinating activities of GP-STAR and contributing to IN-MHEWS.
- Widening cooperation among German, European, African institutions.





Thank you

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