

"GP-STAR"



The Group on Earth Observations

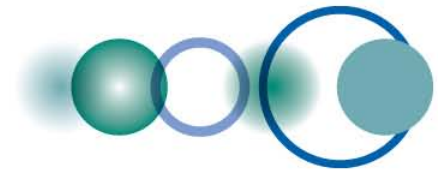
Expert meeting

Vanessa Aellen – GEO Secretariat

1-2 December 2016

Bonn, Germany

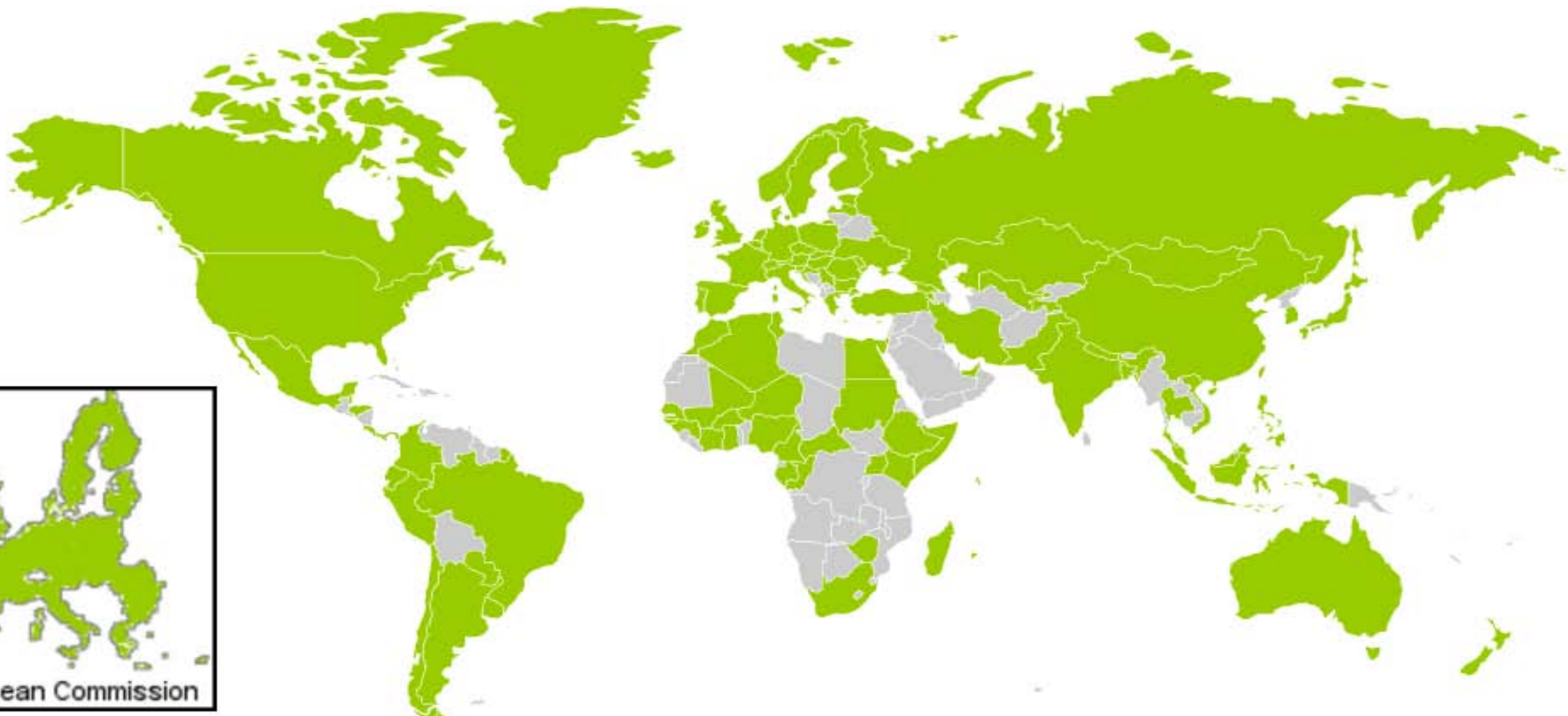


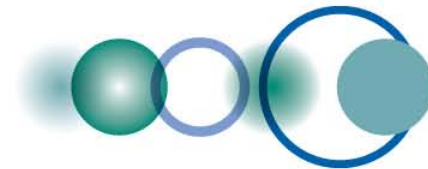


Introduction to GEO

Voluntary partnership of Governments & Organizations

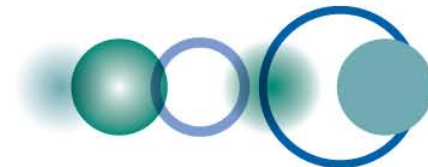
103 member-states



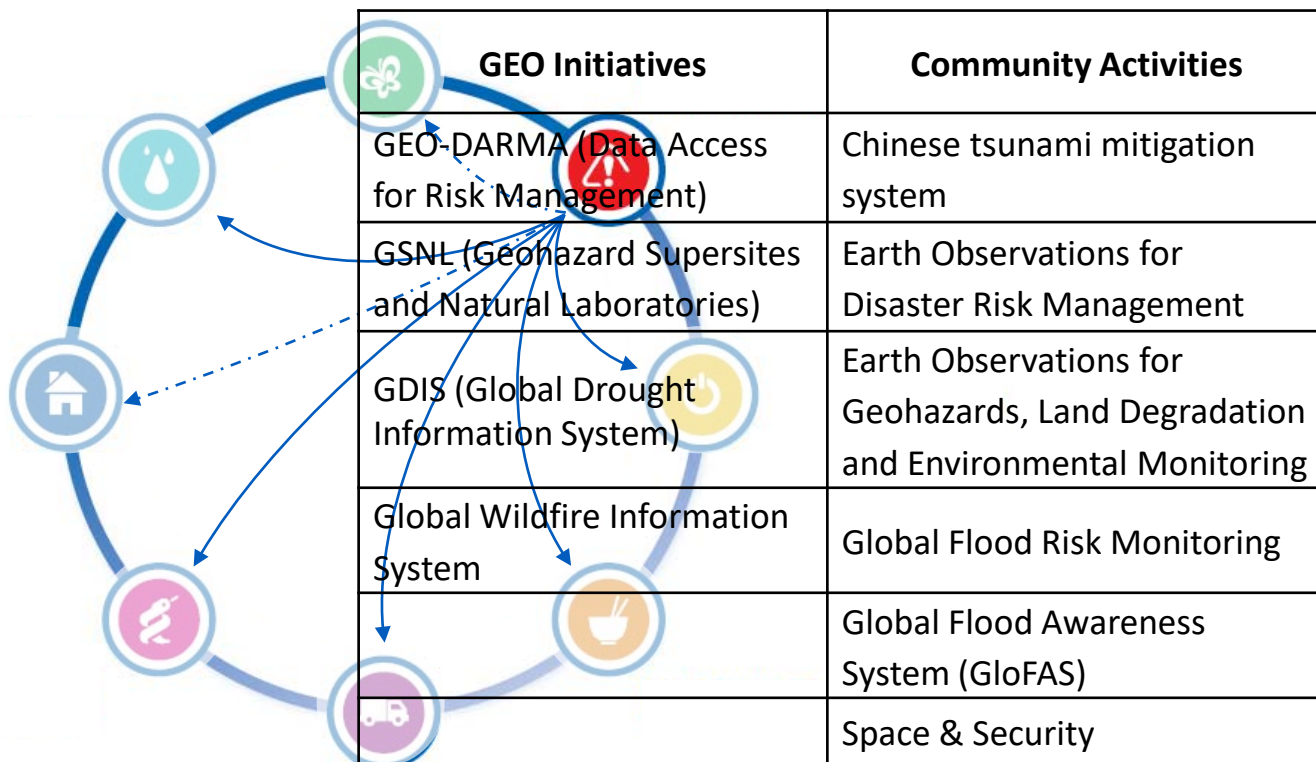


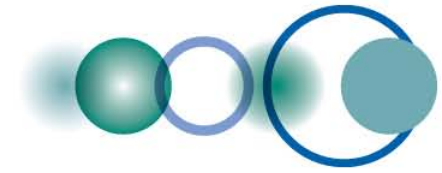
8 Societal Benefit Areas





DRR-SBA links to other SBAs





GCI

International Data Providers*

Environment



Food & Security



Satellites



Biodiversity



Disasters



Energy



Water



Health



Urban



Regional and National Providers*



Private Sector Providers

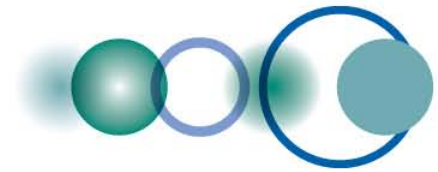


*152 Data Providers



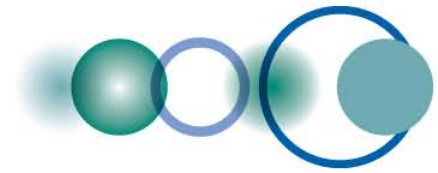
DRR within GEO

- Working to expand the use of satellite imagery and surface data for reducing disasters risk
- Developing decision-support tools and applications for the full cycle of disaster management
- Working in close collaboration with national space agencies
 - Through the Committee on Earth Observation Satellites (CEOS), the space coordination arm of GEO



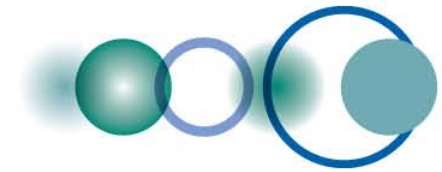
GP-STAR

- **Mission of GP-STAR from GEO's perspective**
 - Confirmation of the White paper agreement (reference for us but ready to update)
- **Contributing activities, projects, programmes**
 - Support of the implementation plan
GEO-DARMA, GSNL, ...
 - Available to assess additional contribution from other GEO activities
- **Contributions to Outcomes (procedures, products, information, knowledge, know-how)**
 - Value proposition of GEO: three areas relating to EO:
 1. *Access to data info and knowledge (portal)*
 2. *Organising of a Knowledge base to gather user needs*
 3. *End-to-end solution and covering elements of value chain (observation to decisions)*



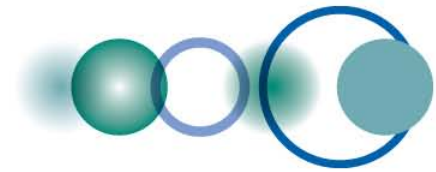
Term of Reference

« The partnership committed to fostering the use of Earth observation as well as Space-based Technologies and Applications in the context of the Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework). In doing so, it will support the implementation of the Sendai Framework through, for example, providing advice to governments, organizations, and projects on the use of space technologies and applications in disaster risk reduction efforts, and the provision of relevant publications and discussion fora. The partnership shall integrate international, regional and national organizations involved in space science and technologies, Earth observation, disaster risk reduction and civil protection. »



Contribution/interest

COUNTRY / REGION	Earthquake	Tsunami	Mass movement	Volcanic eruption	Storm	Flood	Extreme temperatures	Drought	Fire	locust swarms	Non-Earth Objects	Space weather	Landslides
global ¹													x
global ^{1,2}	x												
global ¹ , Iceland, Italy, Ecuador, Hawaii, NL ²				x									
global ^{1,3,4,5}						x							
China ⁶		x											
Global, especially BRICS ^{5,7,8}								x					
Global ⁹									x				

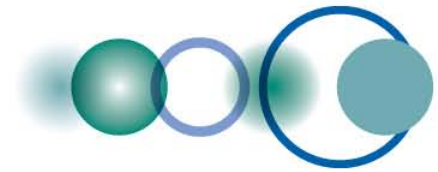


GEO-DARMA

Data Access for Risk Management

One of the major initiatives supported by space agencies as follow-on action to the “Sendai Framework for Disaster Risk Reduction 2015-2030”.

- Establish an inclusive, comprehensive process to address local DRR requirements by using EO technologies efficiently.
- Increasing capacity to prepare, forecast, mitigate, manage & recover from disasters;
- Understanding of disaster risk brought by maintaining and strengthening in-situ and remotely-sensed Earth and climate observations
- Enhancing the access to, and the sharing and use of, data and information obtained through such observations



The GEO-GSNL Initiative

Geohazards Supersites and Natural Laboratories

An international partnership aiming to improve, through an **Open Science** approach, **monitoring and research** on seismic/volcanic interest areas called **Supersites**, providing better **information support for DRR activities in Prevention and Crisis management**.

The partnership

- The scientific community
- The in situ data providers



- The satellite data providers



Thank you !

→ GEO 2017-2019 Work Programme Symposium
Pretoria, May 12th & 13th

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