

# OPENDATE OF S OPENKNOWLEDGE Workshop





## UNOOSA - UN-SPIDER and GEO Knowledge Hub - leveraging Open applications in delivering training in countries

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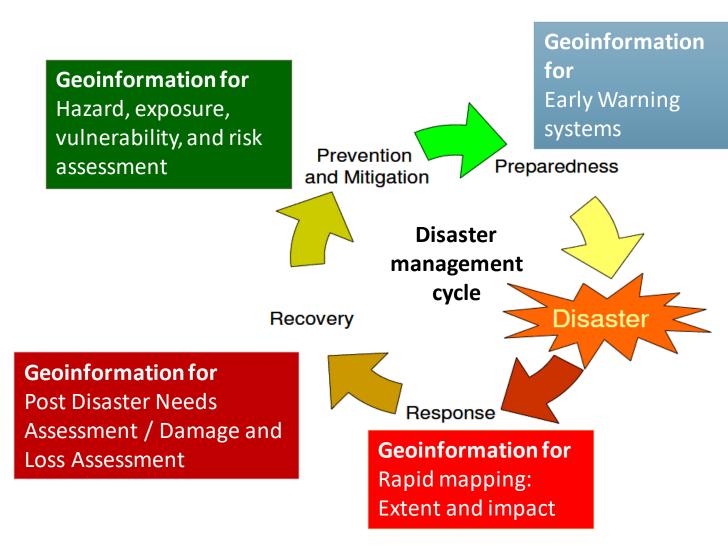
#### **UN-SPIDER Mandate within UNOOSA**



United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)

Ensure that all countries have access to and develop the capacity to use all types of space-based information (EO, GNSS, SatComms) to support the full disaster management cycle

United Nations Resolution 61/110, Dec. 2006



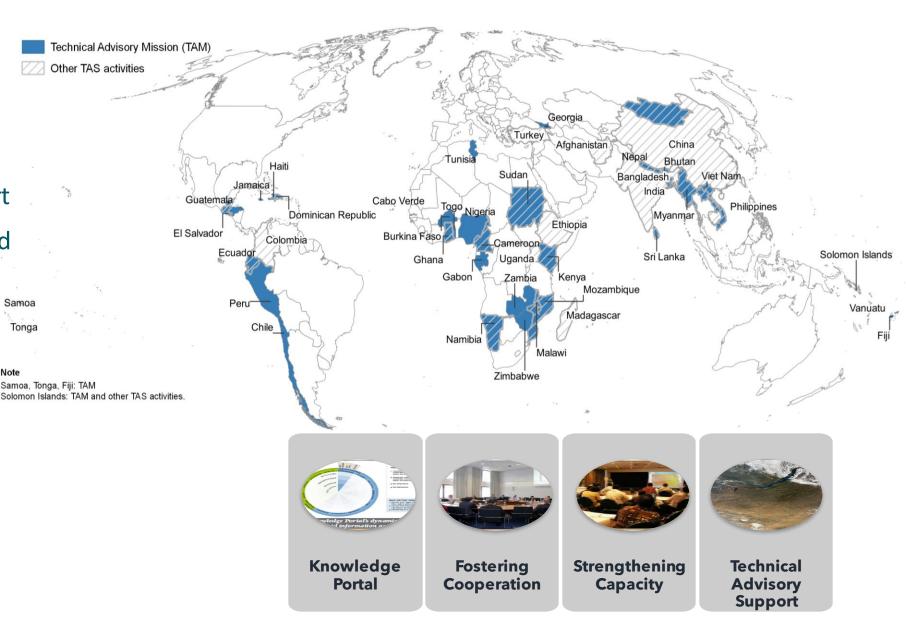
### **UN-SPIDER to-date**



- 55 (LMI/SID) States benefited from technical advisory services and capacity building
- 41 formal Technical Advisory Missions and follow up support
- Over 100 technical support and expert missions

Note

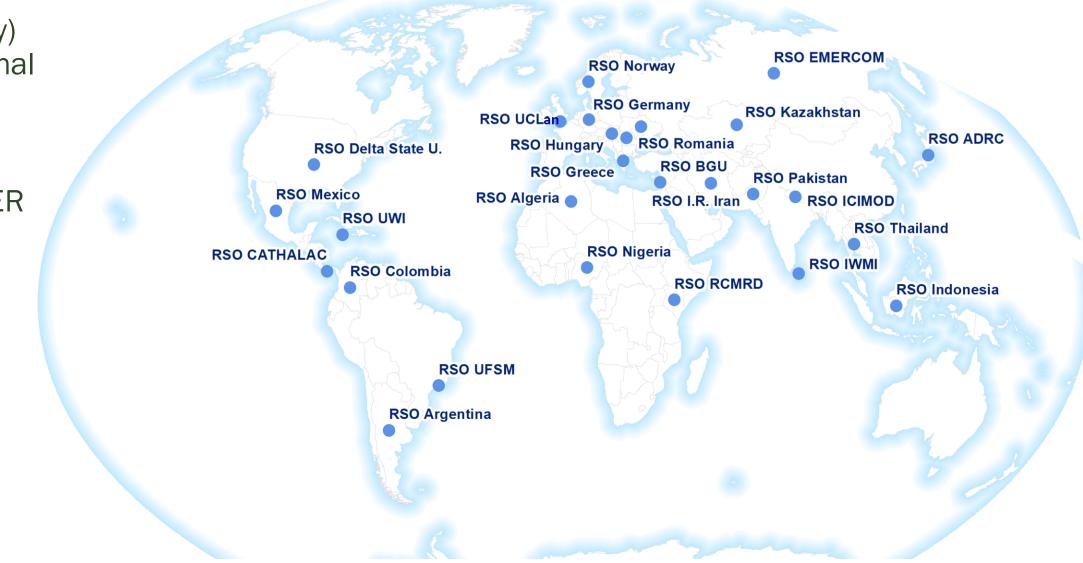
- ON DEMAND only!
- Countries sponsored with data support, training workshops and relevant conferences
- Emergency Response support with satellite data provision and mapping in over 33 countries



#### We are not doing it alone...



(voluntary) 27 Regional Support Offices to UN-SPIDER



#### How UN-SPIDER engages with Member States - example



Sri Lanka: build capacity for National Spatial Database Infrastructure (NSDI), Sendai Framework monitoring tools and for support during emergencies

Staff of government agencies of Sri Lanka mobilised to UN-SPIDER events



### **UN-SPIDER Knowledge Portal**



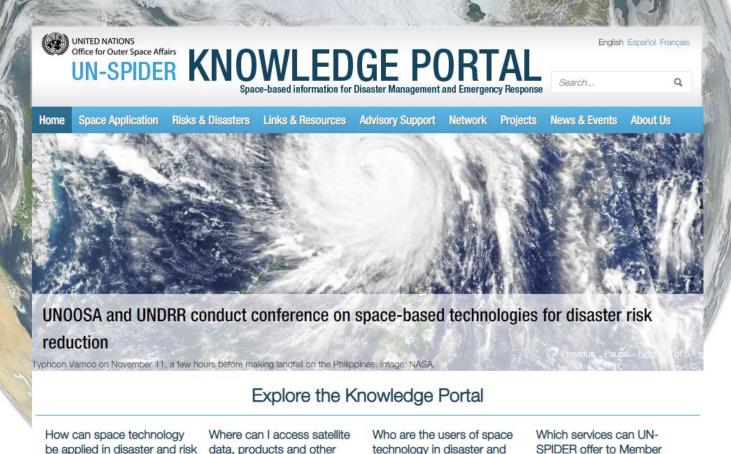
Gateway to space-based information

Available in English, Spanish and French

More than 9,100 content items in 2020

40,000 visitors per month on average since the year 2020

Step-by-step procedures to process satellite imagery



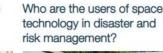
bider.org/news-and-events/news/unoosa-and-undrr-conduct-conference-space-based-technologies-



management?



resources?







#### **UN-SPIDER as Capacity Builder**



#### Capacity-building and

#### institutional strengthening

Training courses on the use of Earth observation in disaster management – over 1,500 national experts trained since 2008!

Procedural guidelines

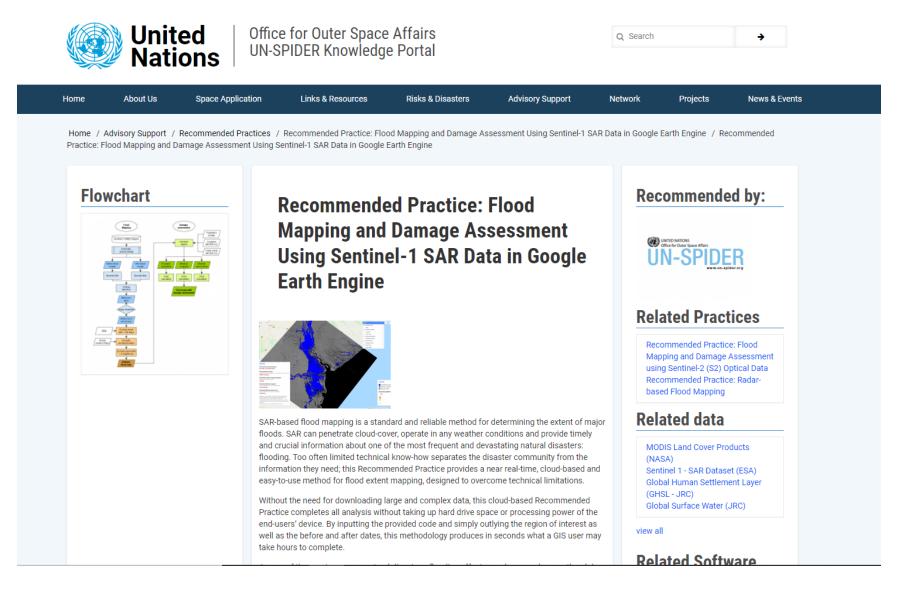
**Recommended Practices** 

Massive open online courses



#### **Recommended practices with open data**





#### **UN-SPIDER and GEO Knowledge Hub**



- Cooperating with GEO since 2016 to replicate Knowledge Portal records with GEO Portal/Hub; automatic exchange of relevant information and data resources
- Harvesting approach tested and applied; to be reviewed
- Two-way resource exchange beneficial to enrich knowledge pool for the UN-SPIDER national capacity building

Expanding Un-SPIDER series of recommended practices and step-by-step procedures using open data and open software tools through GEO Knowledge Hub as possible

Closer cooperation and coordination as a future target



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