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Office for Outer Space Affairs



Mapping RSO expertise

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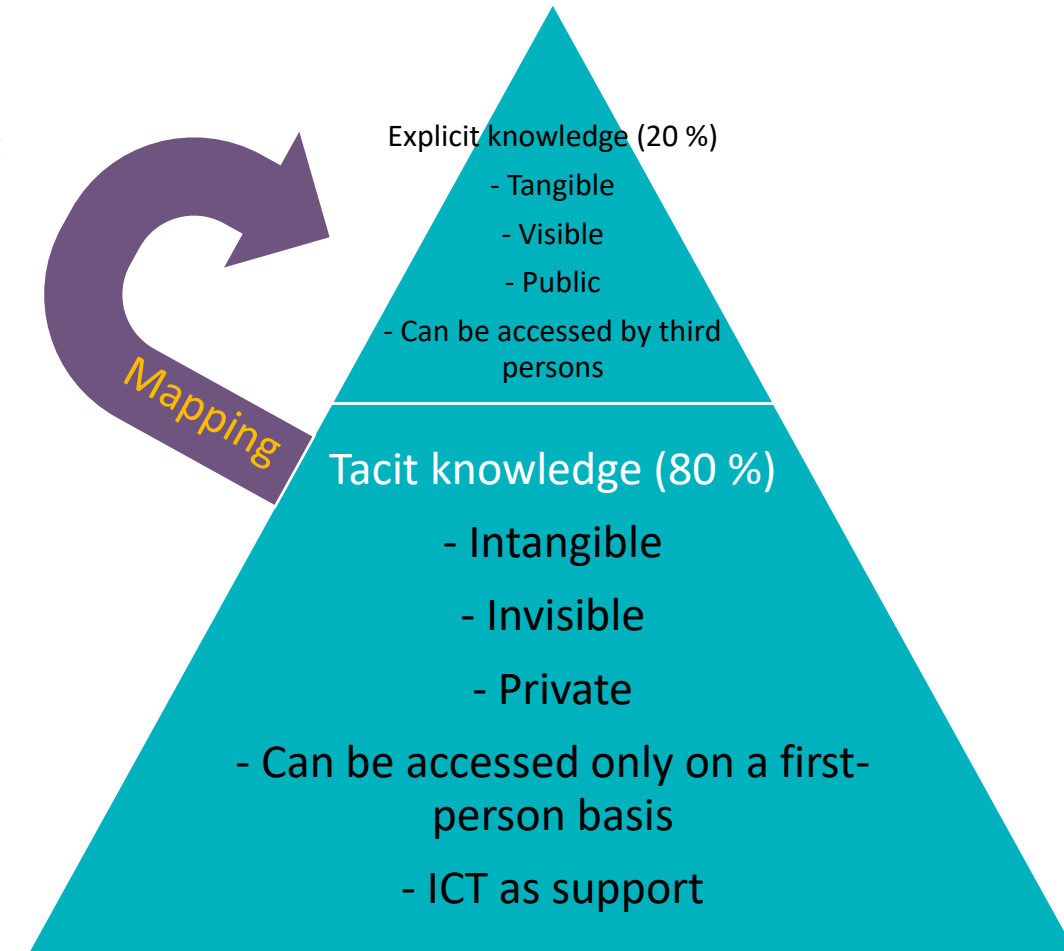
Objectives



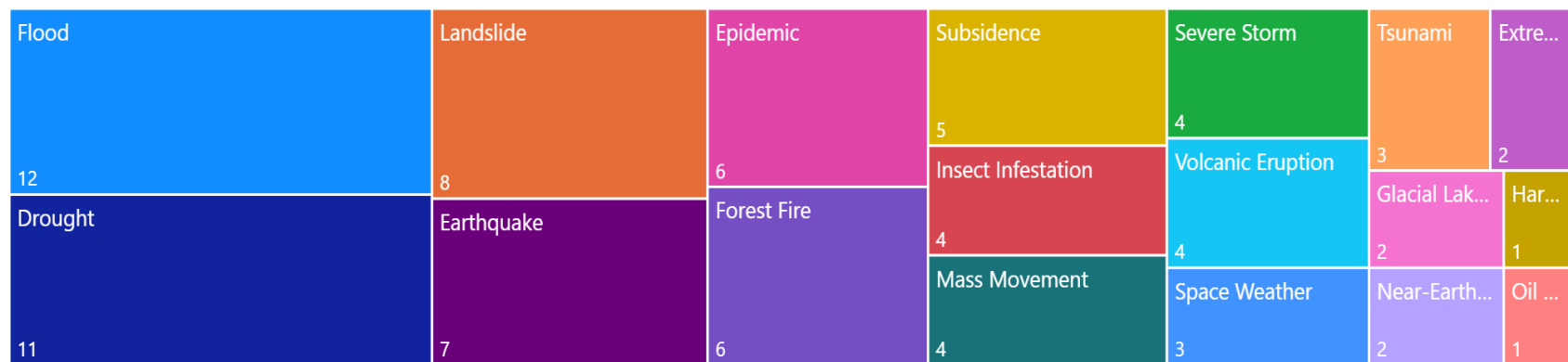
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- ❑ Better understand expertise, products and resources available in the RSO network
 - ❑ ... to be able to meet user demands (e.g. disaster management agencies)
 - ❑ ... to put together teams for Technical Advisory Support activities
 - ❑ ... to identify resources to share on the Knowledge Portal
 - ❑ ... to develop joint projects
 - ❑ ... to know who to reach out on a specific issues
 - ❑ ...
- ❑ Currently, mostly tacit/implicit knowledge
- ❑ Surface and connect to other elements on the UN-SPIDER Knowledge Portal (provide meaning and context)

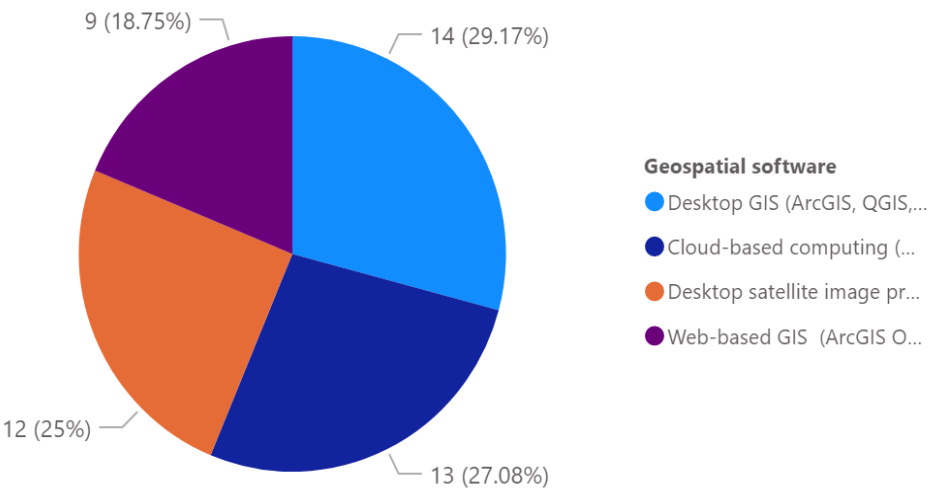


Hazards



Institution	Drought	Earthquake	Epidemic	Extreme Temperature	Flood	Forest Fire	Glacial Lake Outburst	Harmful Algal Bloom	Insect Infestation	Land slide	Mass Movement	Near-Earth Objects	Oil spill	Severe Storm	Space Weather	Subsidence	Tsunami	Volcanic Eruption
Asian Disaster Preparedness Center (ADPC)	Yes	Yes	No	Yes	Yes	No	No	No	No	Yes	No	No	Yes	No	No	Yes	No	No
CONAE	No	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	Yes
Delta State University	Yes	No	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No
Federal University of Santa Maria	Yes	No	No	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	No
ICIMOD	Yes	Yes	No	No	Yes	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No
Instituto Geográfico Agustín Codazzi IGAC	No	No	No	No	No	Yes	No	No	No	No	Yes	Yes	No	No	No	No	No	No
International Water Management Institute	Yes	No	No	No	Yes	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No
LAPAN	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
National Observatory of Athens (NOA)	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes
National Space Research and Development Agency	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	No	No
Romanian Space Agency	No	No	Yes	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	Yes	No	No
SUPARCO, Pakistan	Yes	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes
ZFL University of Bonn	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No	No	Yes	No

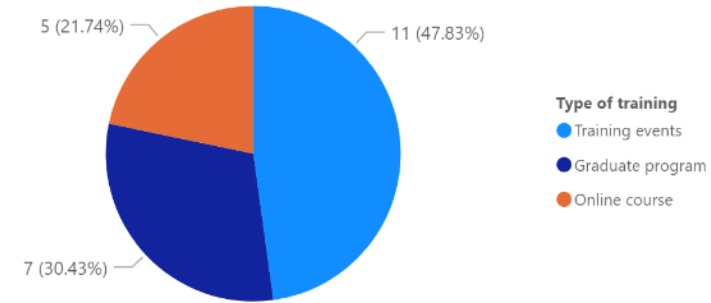
Software



Institution	Cloud-based computing (Google Earth Engine...)	Desktop GIS (ArcGIS, QGIS, ...)	Desktop satellite image processing software (ENVI...)	Web-based GIS (ArcGIS Online...)
Asian Disaster Preparedness Center (ADPC)				
CONAE				
Delta State University				
Federal University of Santa Maria				
GRID-Arendal				
ICIMOD				
Instituto Geográfico Agustín Codazzi IGAC				
International Water Management Institute				
LAPAN				
National Observatory of Athens (NOA)				
National Space Research and Development Agency				
Romanian Space Agency				
SUPARCO, Pakistan				
ZFL University of Bonn				

Training

What are the topics of the training activities that you currently offer?



Institution	Graduate program	Online course	Training events
Asian Disaster Preparedness Center (ADPC)			
CONAE			
Delta State University			
Federal University of Santa Maria			
GRID-Arendal			
ICIMOD			
Instituto Geográfico Agustín Codazzi IGAC			
International Water Management Institute			
LAPAN			
National Observatory of Athens (NOA)			
National Space Research and Development Agency			
Romanian Space Agency			
SUPARCO, Pakistan			
ZFL University of Bonn			



- General review of most pages required
- Connecting to other elements on the Knowledge Portal
 - UN-SPIDER activities (started)
 - Taxonomies (tags)
 - Disaster types (started)
 - Data sources, software
 - ...

Contributions to and participation in UN-SPIDER activities:

Title	Type	Year
Reunión Regional Virtual de ONU-SPIDER - Soluciones espaciales para la gestión para la reducción de riesgos y la respuesta en caso de desastres para América Latina	Event	2020
Introduction to UN-SPIDER resources for flood and drought mapping	Event	2020
Ecuador - Institutional Strengthening Mission	Advisory Support	2019
Peru - Technical Advisory Mission	Advisory Support	2019
Recommended Practice: Drought monitoring using the Standard Vegetation Index (SVI)	Recommended Practices	2016

Hazard-specific expertise:

[Insect Infestation](#)

[Epidemic](#)

[Forest Fire](#)

[Drought](#)

[Earthquake](#)

[Subsidence](#)

[Flood](#)

[Severe Storm](#)

UN-SPIDER Regional Support Offices with hazard-specific expertise



Argentina Regional Support Office



Colombia Regional Support Office



Germany Regional Support Office



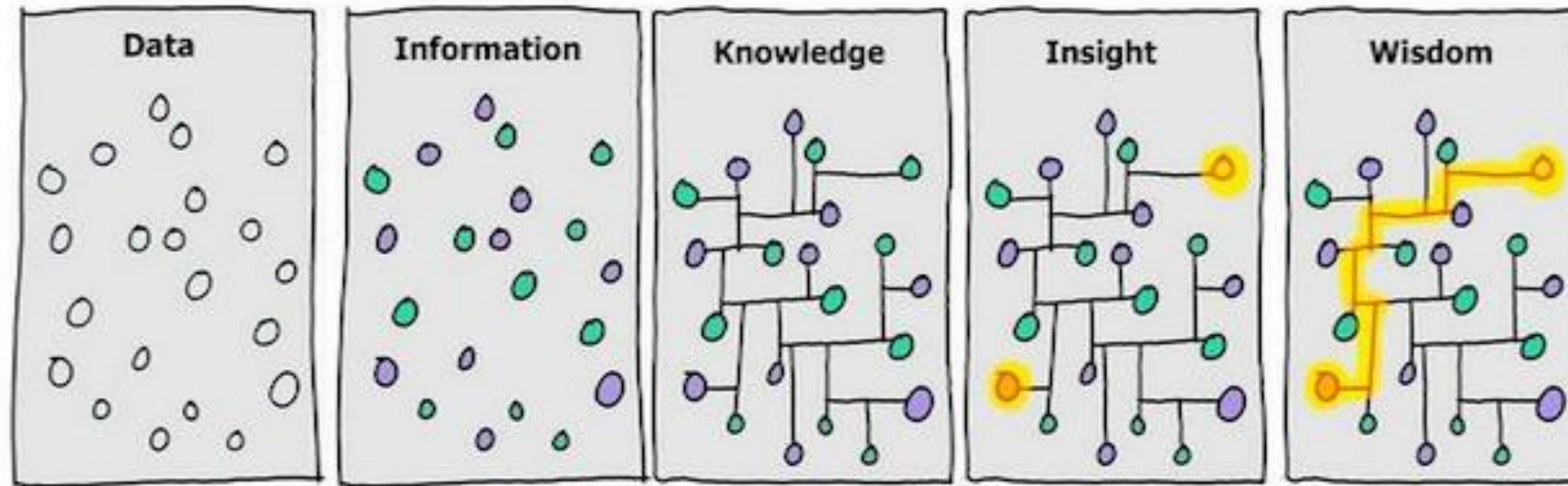
Greece Regional Support Office



Indonesia Regional Support Office



United States of America Regional Support Office



[Cartoon by David Somerville, based on a two pane version by Hugh McLeod.]

See: Russell L. Ackoff, "From Data to Wisdom," Journal of Applied Systems Analysis 16 (1989): 3-9.



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Thank you

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