UNITED NATIONS
Office for Outer Space Affairs

SPACE4SDGS

UN-SPIDER Regional Support Office Meeting

12th UN-SPIDER RSO Meeting

14-16 November 2022

Content Overview

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- Introduction to Knowledge Portal content
- KP reach and recent additions
- Recommended Practices as examples of RSO contributions
- Spanish version as example of RSO contributions
- Opportunities for future RSO contributions
- Planned online learning environment

Introduction to Knowledge Portal

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- "**Knowledge management** is at the core of UN-SPIDER activities.
- By systematically and continuously **compiling the knowledge and available resources held by individuals and institutions**, UN-SPIDER aims to transfer **lessons learned, highlight innovations and foster collaborative practices**.
- The communities involved in the field of work of UN-SPIDER include many **different actors**:
  - disaster responders, disaster risk specialists, policymakers, remote sensing experts, space technology providers, academics and researchers."

- "The UN-SPIDER knowledge portal (www.un-spider.org) continues to be one of the **cornerstones of the programme** as it hosts **information on all activities implemented by the programme as well as by the disaster management, emergency response and space communities."**

Introduction to Knowledge Portal

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English Español Français

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UN-SPIDER Knowledge Portal

Search

Home | About Us | Space Application | Links & Resources | Risks & Disasters | Advisory Support | Network | Projects | News & Events

NASRDA, UN-SPIDER and ZFL Organize an Interinstitutional Workshop in Nigeria

The National Space Research and Development Agency (NASRDA), UN-SPIDER and the Centre for Remote Sensing of Land Surfaces (ZFL) of the University of Bonn organized a 3-day interinstitutional workshop to improve disaster preparedness in case of very large floods in Nigeria

Previous Resume Next

Explore the Knowledge Portal

How can space technology be applied in disaster and risk management?

Where can I access satellite data, products and other resources?

Who are the users of space technology in disaster and risk management?

Which services can UN-SPIDER offer to Member States?

Reach

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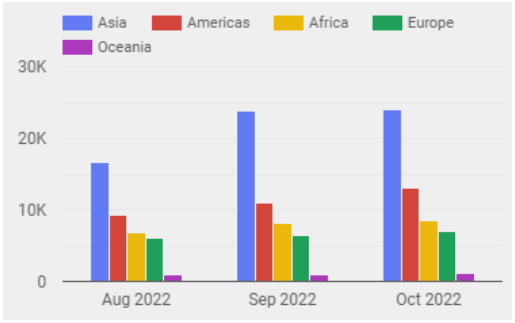
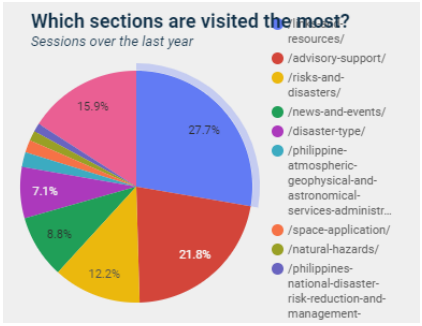
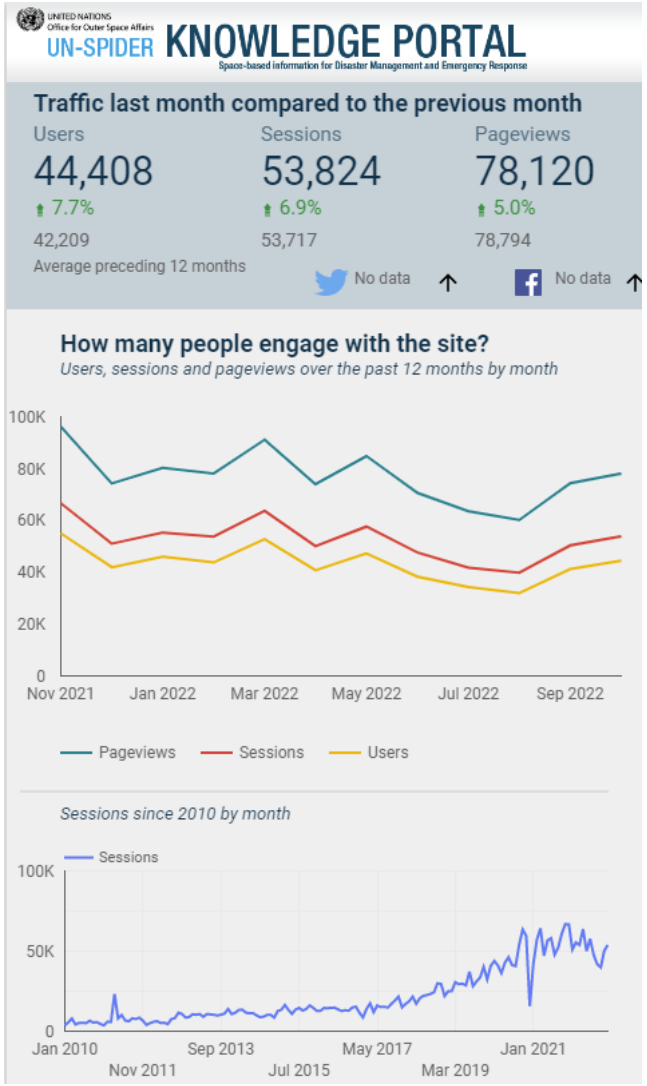
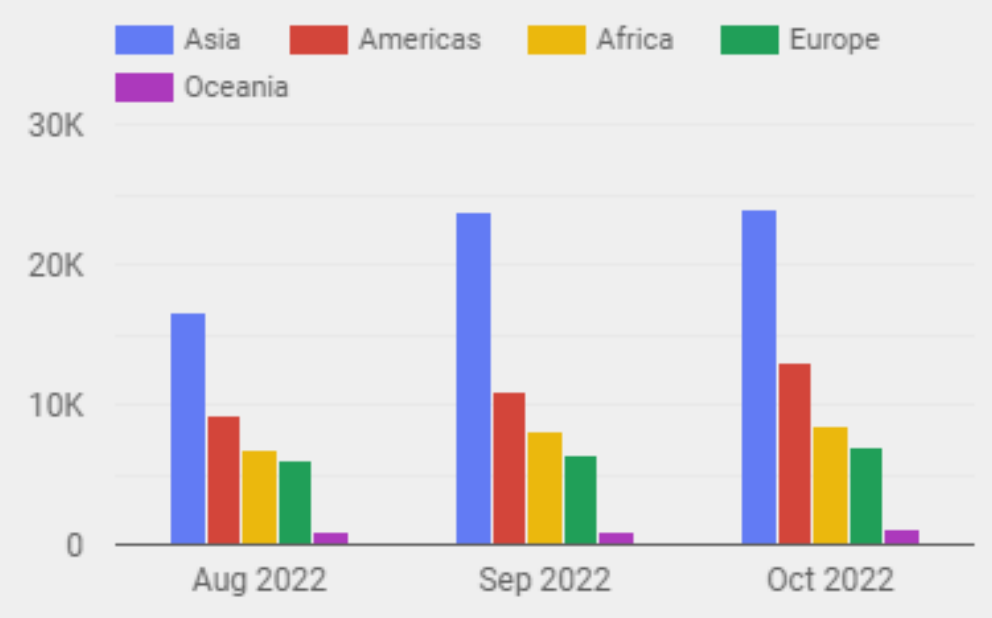
- Total number of content items increased from around 9,000 in 2021 to **9,200** in 2022
- Average number of users per month in 2022: **42,000**
- Total number of users Nov 2021 – Nov 2022: **495,000**

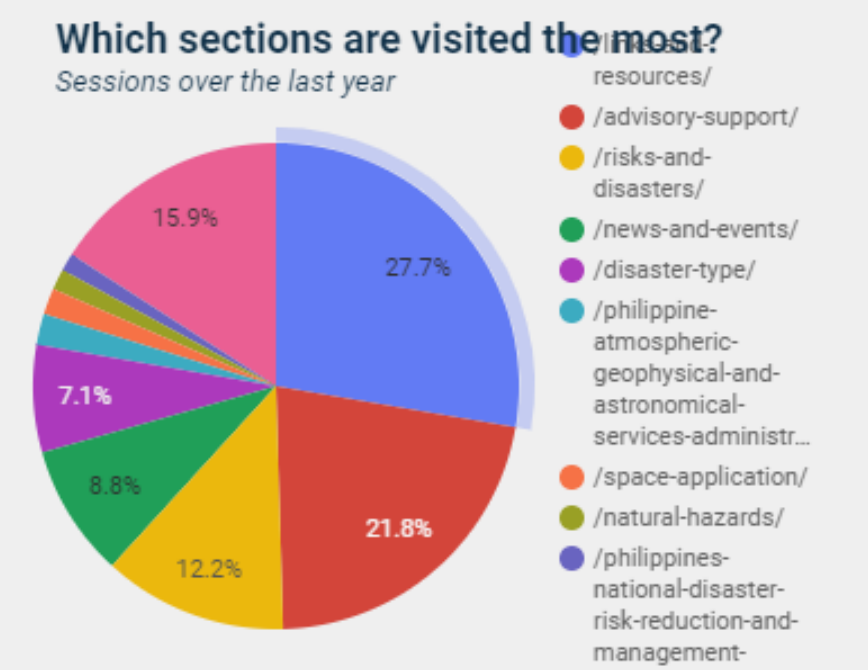
- … other data that helps us to understand **user needs and reach** of the portal…








Asia
Americas
Africa
Europe
Oceania
30K
20K
10K
0
Aug 2022
Sep 2022
Oct 2022


Which sections are visited the most?
Sessions over the last year
resources/
/advisory-support/
/risks-and-disasters/
/news-and-events/
/disaster-type/
/philippine-atmospheric-geophysical-and-astronomical-services-administr...
/space-application/
/natural-hazards/
/philippines-national-disaster-risk-reduction-and-management-
27.7%
21.8%
12.2%
8.8%
7.1%
15.9%

Recent Additions

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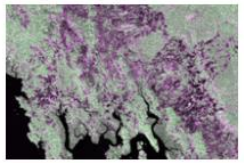
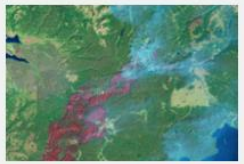
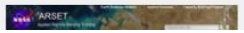
- New section: (on-demand) **Online Learning Resources**

Preview	Title	Provided by
JNCC	Accessing and Using Synthetic Aperture Radar (SAR) Data	Joint Nature Conservation Committee (JNCC)
	A Resilient Future: Science and Technology for Disaster Risk Reduction	École polytechnique fédérale de Lausanne
	Advanced Webinar: Forest Mapping and Monitoring with SAR Data	NASA ARSET
	Advanced Webinar: Investigating Time Series of Satellite Imagery	NASA ARSET
	Advanced Webinar: Radar Remote Sensing for Land, Water, & Disaster Applications	NASA ARSET
		

Recent Additions

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- New section: **Practical Uses**

Practical Uses

In recent years, the several space agencies have adopted open data policies that allow practitioners to access their satellite imagery for subsequent processing. With the support of its Regional Support Offices and other Centres of Excellence, UN-SPIDER has developed several Recommended Practices to process satellite imagery to generate specific types of maps.

The space and geospatial communities have also developed products and services with the aim of contributing to disaster risk reduction, preparedness, response, and recovery efforts; as well as to address challenges related to climate change. Such contributions are ultimately expected to contribute to efforts worldwide to achieve the sustainable development goals, the targets of the Paris Climate Change agreement and those included in the Sendai Framework for Disaster Risk Reduction 2015-2030.

UN-SPIDER is joining efforts with its network of Regional Support Offices and other partners to present examples of practical uses of space-based products including the maps elaborated with the UN-SPIDER Recommended Practices and those products and services implemented by the Space community.

Each example provides an overview of the practical use of a product or a service in the framework of disaster risk management, as well as in standard operating procedures employed in response and recovery efforts.

If you have questions or wish to share your own experience regarding these Practical Uses, please contact us.

Browse All Practical Uses

Hazard Type: - Any -

Software

Related dataset

Apply

Title	Software used	Related dataset
Sendai Framework Ad hoc indicator C-2Fo		MODIS Fire Products (NASA)

Recent Additions

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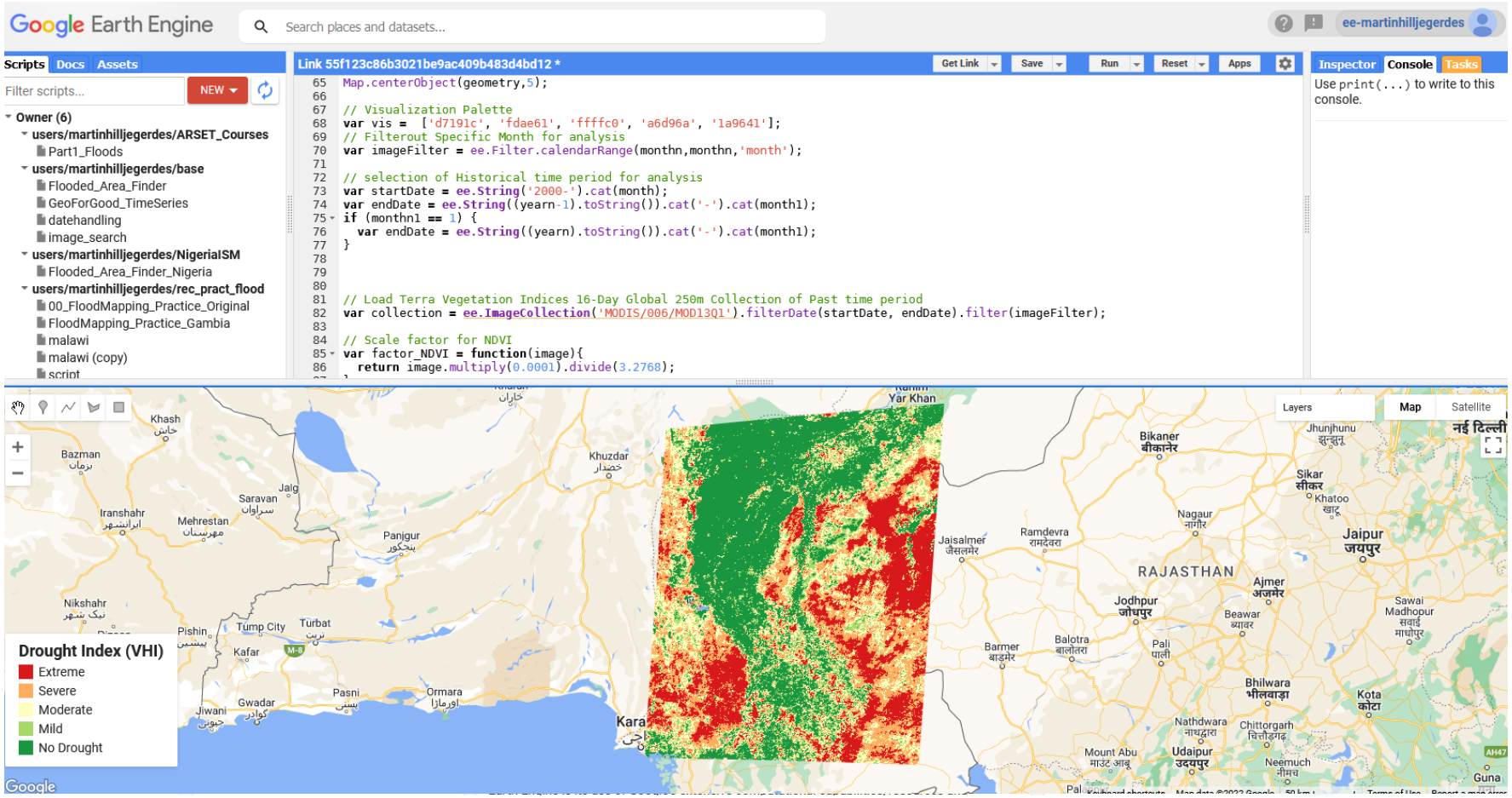
- New Recommended Practice: **“Agriculture Drought Monitoring and Hazard Assessment using Google Earth Engine” (SUPARCO)**



Recommended Practices as examples of RSO contributions

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- Many of our Recommended Practices were created **in collaboration with our RSO partners**!

Browse Recommended Practices

Hazard Type: - Any -

Related Software:

Related Dataset:

Sort by: Title

Order: Asc

Apply

Title	Hazard Type	Software used	Related dataset
Recommended Practice: Agriculture Drought Monitoring and Hazard Assessment using Google Earth Engine	Drought	Google Earth Engine (Google)	MODIS Vegetation Product (NASA)
Recommended Practice: Burn Severity Mapping	Forest Fire	RStudio, QGIS, Google Earth Engine (Google), Python	Landsat 8 (NASA), Earth Explorer (USGS), Sentinel 2 - Imagery (ESA)
Recommended Practice: Disaster Preparedness Using Free Software Extensions	Earthquake, Flood, Tsunami, Volcanic Eruption	QGIS	MODIS Level 1, Atmosphere and Land data products (NASA), OpenStreetMap (Geofabrik), Global Flood Awareness System (GLoFAS - Copernicus EMS), Database of Global Administrative Areas (GADM), WorldPop
Recommended Practice: Drought monitoring using the Standard Vegetation Index (SVI)	Drought	R CRAN(Comprehensive R Archive Network), Python, RStudio, Google Earth Engine (Google)	MODIS Vegetation Product (NASA), Crop monitoring - GEOGLAM (GEO)
Recommended Practice: Drought monitoring using the Standardized Precipitation Index (SPI)	Drought	Google Earth Engine (Google)	Climate Hazard group InfraRed Precipitation with Stations (CHIRPS - UCSB, USGS)
Recommended Practice: Drought monitoring using the Vegetation Condition Index (VCI)	Drought	ENVI (Exelis), R CRAN(Comprehensive R Archive Network), Python, RStudio	MODIS Vegetation Product (NASA), Crop monitoring - GEOGLAM (GEO)
Recommended Practice: Earthquake Urban Damage Detection Using Sentinel-1 Data	Earthquake	QGIS, Sentinel Application Platform (SNAP)	Sentinel 1 - SAR Dataset (ESA)

Spanish version
as example of RSO contributions

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English **Español** Français

Inicio Sobre nosotros Noticias y Eventos

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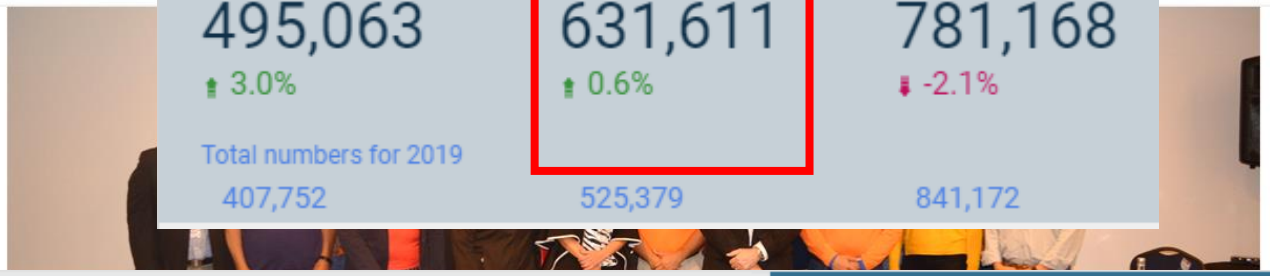
UN-SPIDER KNOWLEDGE PORTAL
Space-based information for Disaster Management and Emergency Response

Total numbers for 2021

Users	Sessions	Unique Pageviews
495,063	631,611	781,168
↑ 3.0%	↑ 0.6%	↓ -2.1%
Total numbers for 2019		
407,752	525,379	841,172



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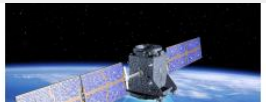
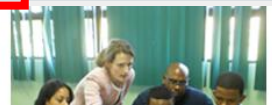
UN-SPIDER KNOWLEDGE PORTAL
Space-based information for Disaster Management and Emergency Response

Yearly statistics
Oct 1, 2021 - Oct 31, 2022

Sessions from		Sessions on	
Developing countries	TAS countries	Spanish version	French version
482.4K	142.5K	75.9K	18K
↑ 2.6%	↑ 6.4%	↑ 19.0%	↑ 16.1%



Opportunities for future RSO contributions

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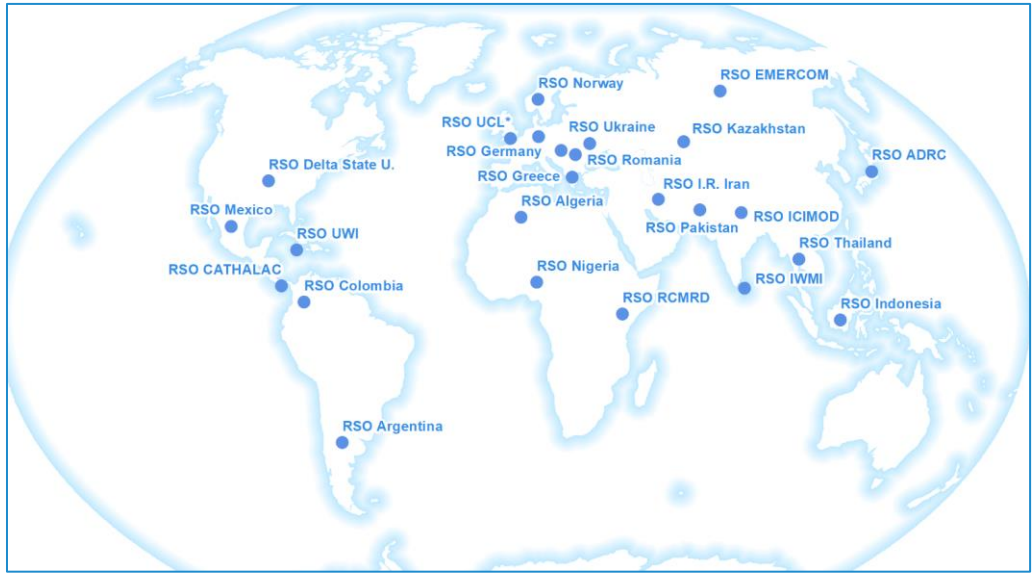
- **Feedback on the Knowledge Portal**
  - Ideas for content, Usability etc.
  - Reviews, Corrections
- **New content for the Knowledge Portal**
  - Additions to sections
  - News and Event announcements
  - Inform us about trainings (on-demand, online, in-person…)
  - User Stories
  - Recommended Practices
  - Practical Uses
- **Designing and setting up an e-learning platform**
- **Contact:**
  - Martin.Hilljegerdes@un.org
  - Juan-carlos.Villagran@un.org



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Online self-learning environment

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- Idea and vision for the future – UN-SPIDER 2030 Agenda
- Linked to or implemented in the Knowledge Portal

- On-demand / self-paced / not instructor-led
- With support of partners / projects

- Tailored to our target users – Disaster Management community
- No duplication of efforts

- Learn from COVID-19 experiences
- Learn from and inspired by “Role Models”

SESSION 1 : donner son prénom, son nom, sa nationalité, sa ville/son pays de résidence

In this session, you will learn how to **introduce yourself**, talk about **where you live** and **where you come from** and **what your nationality is**.

DÉCOUVREZ !

Ecoutez le dialogue.

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Thank you

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