United Nations Platform for Space-based Information for Disaster Management and Emergency Response

UN-SPIDER UNECA SWF

Applications for Disaster Risk Management and Emergency Response in Africa Addis Ababa, Ethiopia, 6 – 9 July 2010.



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



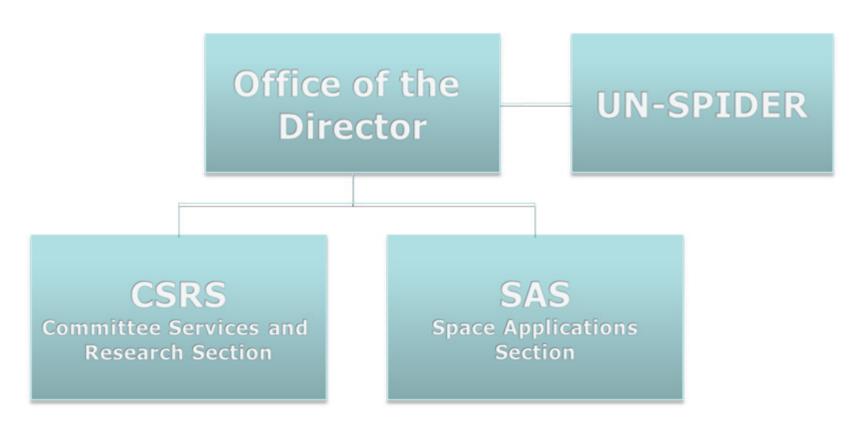
United Nations Platform for Space-based Information for Disaster Management and Emergency Response

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



United Nations Platform for Space-based Information for Disaster Management and Emergency Response

UNOOSA





United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Mission Statement

"Ensure that all countries and international and regional organisations have access to and develop the capacity to use all types of spacebased Information to support the full disaster management cycle"



United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Space Technologies for Disaster Risk Management

Satellite communications help warn people who are at risk, especially in remote areas. They help connect a disaster zone to the outside world. Also support telemedicine networks



Global navigation satellite systems enable us to obtain positional information on events that have to be mapped



Images from remote sensing satellites help assess the damage caused by disasters like earthquakes, volcano eruptions, oil spills and floods.



Photo Credit:UNHCR





Activities

Outreach and Capacity Building

- 1. Awareness Raising
- 2. Outreach Activities
- 3. Capacity Building

Horizontal Cooperation

- 4. Communities of Practice
- 5. Platform for Ensuring Cooperation
- 6. Knowledge Management and Transfer
- 7. Knowledge Portal

Technical Advisory Support

- 8. Country Profiles
- 9. Support at the National Level



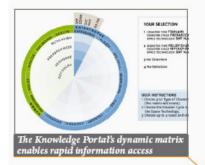
HORIZONAL COOPERATION

UN-SPIDER

Activities

Knowledge Portal

The UN-SPIDER Knowledge Portal is a web-based tool for information, communication and process support. Users can find and share case studies, guides and products through the portal.



TECHNICAL ADVISORY SUPPORT

Technical Advisory Support

UN-SPIDER provides support to countries in assessing national capacity and in evaluating disaster and risk reduction activities, policies and plans with regard to the use of space-based technologies.

Fostering Cooperation

UN-SPIDER bridges the gap between the space and disaster management communities. UN-SPIDER fosters alliances and creates forums where both communities can meet.



OUTREACH AND CAPACITY BUILDING

Capacity Building

UN-SPIDER facilicates capacity building and institutional strengthening, including the development of curricula and an e-learning platform (e-SPIDER).



United Nations Platform fc

...and many more



United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Networks

- UN-SPIDER Team
- Network of Regional Support Offices (RSOs)
- National Focal Points



United Nations Platform for Space-based Information for Disaster Management and Emergency Response

INITED NATIONS | UNCOSA | UN-SPIDER

United Nations Platform for Space-based Information for Disaster Management and Emergency Response



David Stevens Programme Coordinator

E-Mail david.stwens@uncosa.org Telephone +43 - 1 - 260 60 5631 David is responsible for the overall programme coordination. This includes ensuring that the plan of work is implemented as approved by the United Nations General Assembly, that all administrative and finandal procedures are followed closely, and that the staff is mobilised ind involved in carrying out their responsibilities. He is also responsible or providing technical advisory support to all countries and territories the Pacific Region.



Juan Carlo : Villagran de Leon Programme Officer

E-Mail Luan carlos villagran@uncosa.org Telephone +43 - 1 - 260 60 4158 Juan Carlos is reponsible for leading the implementation of the outreach and capadity building activities, which also includes awareness aising. He also coordinates our work with ISDR - International Strateov for Disaster Reduction, induction the clobal coordination of the SPIDER Global Thematic Partnership. He is also responsible for providing technical advisory support to all countries and territories in he Latin America and Carilthean Region



Lorant Czaran Programme Officer

E-Mail Iorant.czaran@uroosa.org Telephone +49 - 228 - 8150682 Lorant is responsible for leading the implementation of all horizontal cooperation activities which induces knowledge management nowledge portal, communities of practice, cooperation among itiatives and agencies and institutions as well as SpaceAid. He is also

the work of the Network of Regional Support Offices.

esconsible for the management of the UN-SPIDER Born office. Shirish Rayan Programme Officer

E-Mail shirishravan@unocsa.org Telephone +43 - 1 - 260 604198 Società is responsible for leading all Technical Advisory Support activities (technical advisory support to countries and the development of country profiles). He is also responsible for establishing the UN-SPIDER Beiling Office and will take over the management of this office. nce it is established. He is also specifically responsible for providing echnical advisory support to all countries in Asia and also coordinates



Robert Backhau : Senior Expert

E-Mail ert.hadihaus@uncosa.org Telephone +49 - 228 - 8150676 Robert coordinates our efforts on knowledge management and transfer: synerolies with relevant regional organisations and support at National level

Jaera Szarzinaki



Senior Expert E-Mail joorg.szarzynski@uncesa.org Telephone +49 - 228 - 81506 77 Josso develops and coordinates the communities of practice, including health and climate change mitigation. He also contributes to the development of the Knowledge Portal, cutreach activities, awareness aisim, and conditation with relevant regional cognisations in Africa.

ie is also responsible for providing technical advisory support to all untries in Milca



YUSUT Hascicek Senior Expert E-Mail yusuf.hascice/utjuncosa.org Telephone +19 - 228 - 815 0686 Yusuf is responsible for all our activities related to satell

communications, including establishing a framework to support emergency response. He also contribute to knowledge management and transfer, the knowledge contail and technical advisory support.



E-Mail young.lyu@uncosa.org Telephone +43 - 1 - 260 60 5190 Tony provides programme management support to UN-SPIDER. This includes staffing, internship programme, administration, finance, budget, procurement and fundaising. He is also responsible for developing spedilic programme strategies regarding information management, SpaceAid, communication and media.



Peter Stumpt Accoolate Expert E-Mail peter.stumpf@uncosa.org Telephone +49 - 228 - 81506 81 Peter is responsible for managing all IT infrastructure of the Programme and also for the development, implementation and Interance of the Knowledge Portal.

Michael Leitgab



Accoolate Expert

E-Msi midhad.leitqubtijunoosa.org Tekeptone +43 - 1 - 260 604422 Midhael provides programme management support to UN-SPIDER, including fundhaising and transce. He supprts outreach adivites, capadly building, development of count y profiles, support to technical advisory missions and information management. His responsibilities includes maintaining all ScaceAd information updated. He is also focal oint for interagency coordination with UNDP.

Natalle Epler Accoolate Expert

E-Mail natalie.epier@uroosa.org Telephone +49 - 228 - 815 06 83

Natalie leads awareness raising adfulties and is in charge of information compilation, E-Newsletters and updates on the Knowledge Portal. She also co-leads the contact database efforts and aids with fundaising She also supports inter-agency coordination and media management



Accistant

E-Msil ahmed.cmman@unoosa.org Teleptone 43 - 1 - 200 604977 Ahmed provides administrative support to the whole programme including badi-stepping the Born Office. He also leads the Programme efforts in the maintenance of the contact database. He also supports SpaceAid, fund-alsing and is responsible for maintaining the UN-SPIDER

section on the UNCOSA vebrite. Chris Nicholas



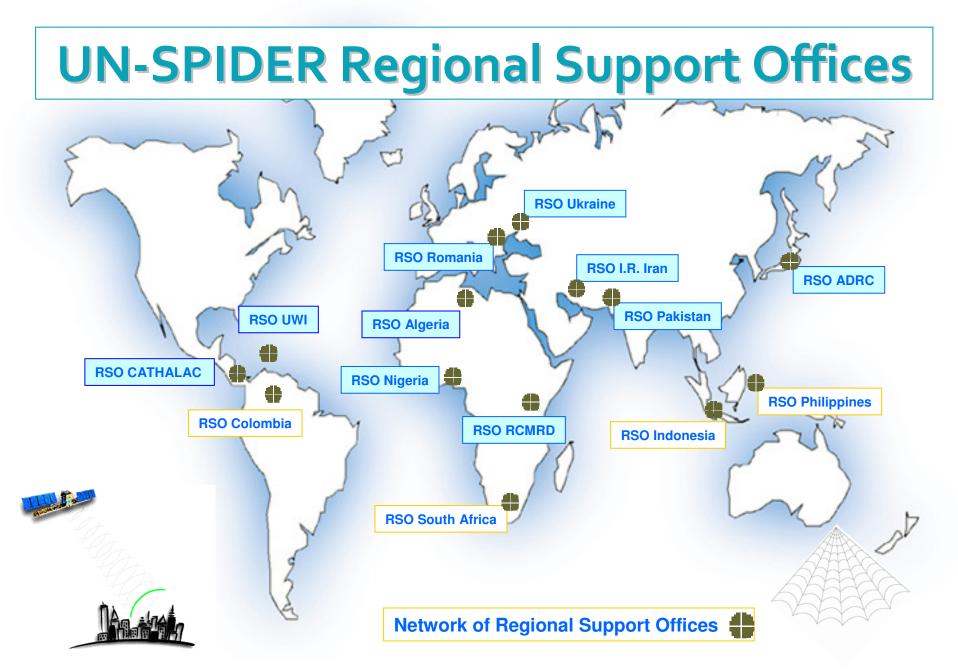
E-Mail dhrisnicholas@uroosa.org Telephone = +1 - 510 - 390 2960 UN-SPICER California-based consultant Onis is responsible for providing technical guidence to the definition and implementation of the Knowledge Portal. He also supports the implementation of web map

Michele Kasdano. Concultant



E-Mail michele kasdano@uncesa.org Telephone +49 - 228 - 81506 75 Michele provides expert support to the implementation of the Knowledge Portal, including information compilation and Knowledge Management and Transfer. She also develops operational frameworks to support the organisation of workshops and expert meetings as well as provides support to interagency coordination (specifically the United Nations Geographic Working Group – UNGIWG).







NFP – National Focal Points

- •UN-SPIDER supports all countries through National Focal Points (NFP). A NFP is a national institution, nominated by the Government of the respective country, representing the disaster management and space application communities
- •Role: to work with UN-SPIDER staff to strengthen national disaster management planning and policies and implement specific national activities that incorporate space-based technology solutions in support of disaster management.
- Nominations received from: Algeria, Austria, Belarus, Belize, Bolivia, Bosnia & Herzegovina, Burundi, China, Egypt, El Salvador, Ethiopia, India, Iraq, Jordan, Kenya, Malawi, Malta, Mauritania, Mauritius, Morocco, Myanmar, New Zealand, Philippines, Qatar, Republic of Korea, Senegal, Singapore, Spain, Syria, Tanzania, Thailand, Trinidad and Tobago, Turkey, UAE, and Ukraine.



Knowledge Management

1 The Knowledge Portal.

2 Communities of Practice: The SPIDER Global Thematic Partnership and the SPIDER Thematic Partnership for Africa



United Nations Platform for Space-based Information for Disaster Management and Emergency Response

The Knowledge Portal



WHAT IS UN-SPIDER?	DISASTER INFORMATION			VISUAL GLOBE
Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Fusce tristique: Cras ipsum urna, semper vitae, aliquet eget, rutrum sed, pede. Morbi at sapien. Etiam cursus tincidunt est. Praesent et mauris. Nullam sodales, nulla et facilisis lobortis, libero enim posuere lacus, vitae convallis sapien odio in	Disaster Hanna (Cyclone) Karina (Cyclone) Ike (Cyclone) Gustav (Cyclone) Nime (Cyclone) Nime (Cyclone)	Region Dominican Republic, Haiti East Pacific Atlantic Atlantic United States Atlantic	Time 3 hours ago 29.08.2008 24.08.2008 21.08.2008 21.08.2008 13.08.2008	Enter Visual Globe
NEW ON UN-SPIDER View all	SPACE AID MATRIX			GUIDES
18.09.2008 / Spring School on Spatial Solutions for Disaster Management in Brazil From 8 to 12 September 2008, D' Read more 11.09.2008 / Supporting national disaster management in Burkina Faso. Following a request of the Government of D' Read more	VURSUED VICE CALL OF		MANN PREEDENESS SAFTAAV sector SAFTAAV sector SAFTAAV sector View selection Colorant Operation with De man view your selection.	 Mechanisms Guides Capacity Building Guides Space Aid Guides Technology Guides Disaster Management Guides Health Support Guides Person Guides Case Studies Glossary
10.09.2008 / International con- ference on 'Global Change and Water Resources in West Africa. More than 200 researchers, Read more	EVENTS CALENDAR	13. / 14. / 15.10.2008 Disaster I Space Technology - Bridging I Control Control Contro		NEWSLETTER Monthly News from UN-SPIDER? Subscribe to the newsletter. E-Mail adress NSS FEED UN-SPIDER via RSS Feeds

United Nations Platform for Space-based

► Sitemap ► Terms of Use ► Privacy and Cookies



SPIDER Thematic Partnership

- 1 Established within the framework of partnerships and networks designed by ISDR to thrust the Hyogo Framework for Action.
- 2 Focusing on supporting National Platforms for Disaster Reduction begin set up by ISDR worldwide.
- **3** Targeting the use of space-based information for disaster risk reduction.
- 4 As a vehicle to achieve results that could not be achieved by individual institutions or agencies

5 Initial efforts conducted in Latin America and the Caribbean.



Outreach Activities

- **1** Communication and advocacy.
- 2 As a bridge to link the space and the disaster management communities.
- **3** To attract and involve practitioners and experts to activities UN-SPIDER is conducting.
- 4 As a gateway to provide Technical Advisory Support to countries.
- 5 To support the role of RSOs, NFPs, and partners, including space agencies, in outreach activities.



International and regional workshops and expert meetings organized in 2009:

- United Nations international UN-SPIDER workshop on building capacities to reduce disasters. Vienna, Austria, 2-4 June 2009.
- UN-SPIDER regional workshop on space applications for disaster-risk management and emergency response in Latin America. Quito, Ecuador, 29 Sept. to 2 Oct. 2009.
- 3rd international UN-SPIDER workshop on disaster management and space technology: from concept to application. Bonn, Germany, 21 - 23 Oct. 2009.
- UN-SPIDER expert meeting on managing disasters using space-based technology in Central Asia, Bishkek, Kyrgyzstan, 26 Aug. 2009.





17



United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Other events to be supported in 2010:

- (a) Second Hemispheric Encounter on Mechanisms and National Platforms for Disaster-Risk Management. Santa Marta, Colombia, April, 2010.
- (b) Exhibition in October, 2010, to mark the International Day for Natural Disaster Reduction.
- (c) Sixth Space Conference of the Americas, Mexico City, Mexico, Nov. 2010.
- (d) Participation of UN-SPIDER staff in events organized by partner institutions.
- (e) Supporting the mobilization of experts and practitioners to various regional and international events.

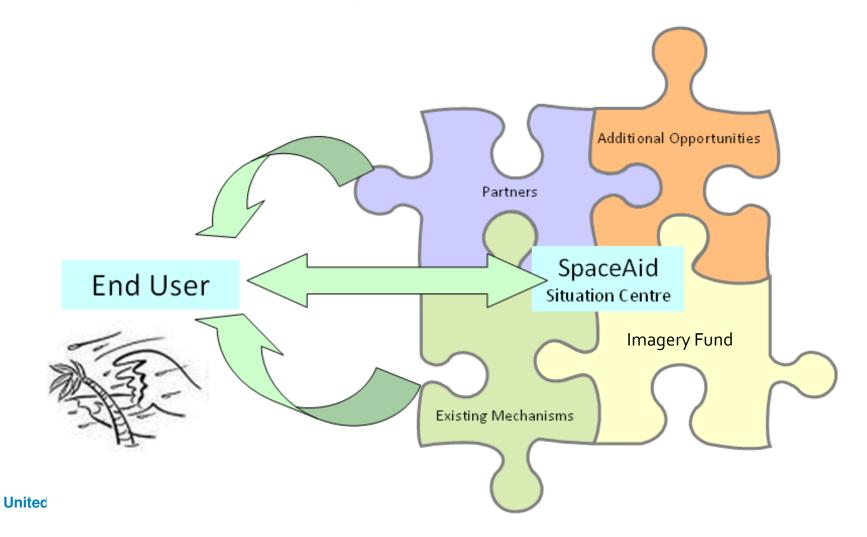


Technical Advisory Support

- Technical Advisory Missions to assess current capacities and needs in countries as a means for the countries to elaborate a Plan of Action to target those needs. Missions have been conducted to Burkina Faso, Namibia, and Togo in Africa. Other countries include Ecuador, Dominican Republic and Jamaica in the American Hemisphere; Fiji, Samoa, and Tonga in the Pacific, and Maldives in the Indian Ocean.
- Technical Advisory Support in case of disasters through the UN-SPIDER SpaceAid Framework and via activations of existing mechanisms such as the CHARTER, SENTINNEL ASIA, and space agencies and partners.
- Projects in selected countries: Namibia and Caribbean Flood Pilot Projects with National Partners, NASA, CSA, UN-SPIDER, and other agencies



The SpaceAid Framework





United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Capacity Building

The Capacity-Building Strategy can be stated as follows:

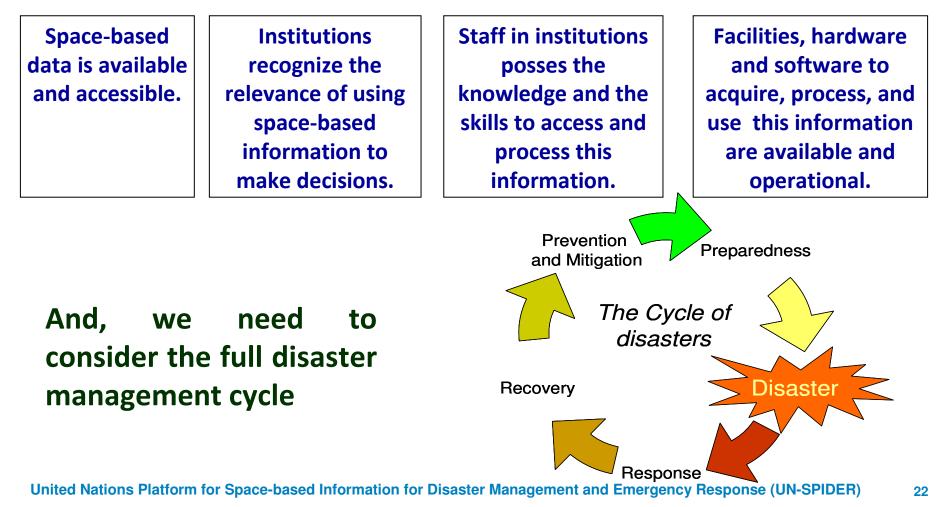


To increase the capacity of Networks of practitioners from the disaster management and space communities to use horizontal cooperation and vertical coordination as a means to access and to use all types of spacebased information to support the full disaster management cycle.

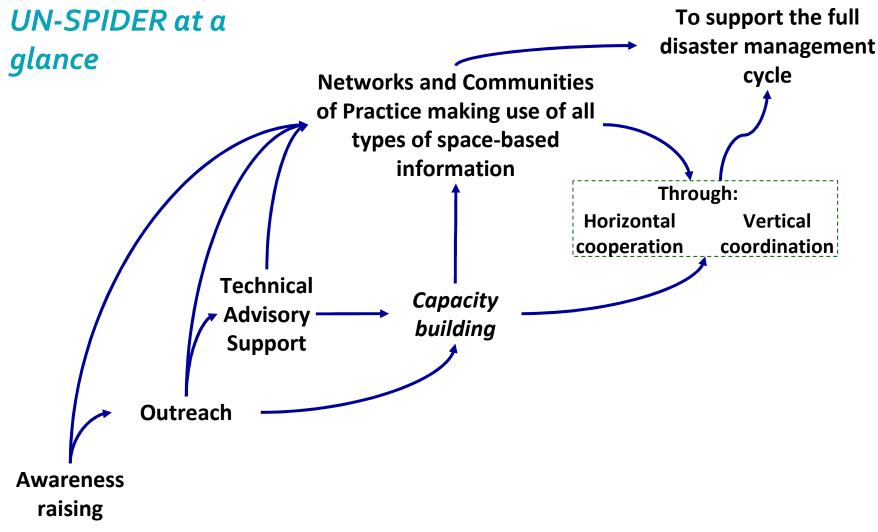


United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Four conditions required to possess the capacity to access and use spacebased information:









United Nations Platform for Space-based Information for Disaster Management and Emergency Response



United Nations Office for Outer Space Affairs



UN-SPIDER www.unspider.org E-mail: un-spider@unoosa.org

THANK-YOU