



UNITED NATIONS | UNOOSA | UN-SPIDER

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

The UN-SPIDER Programme

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

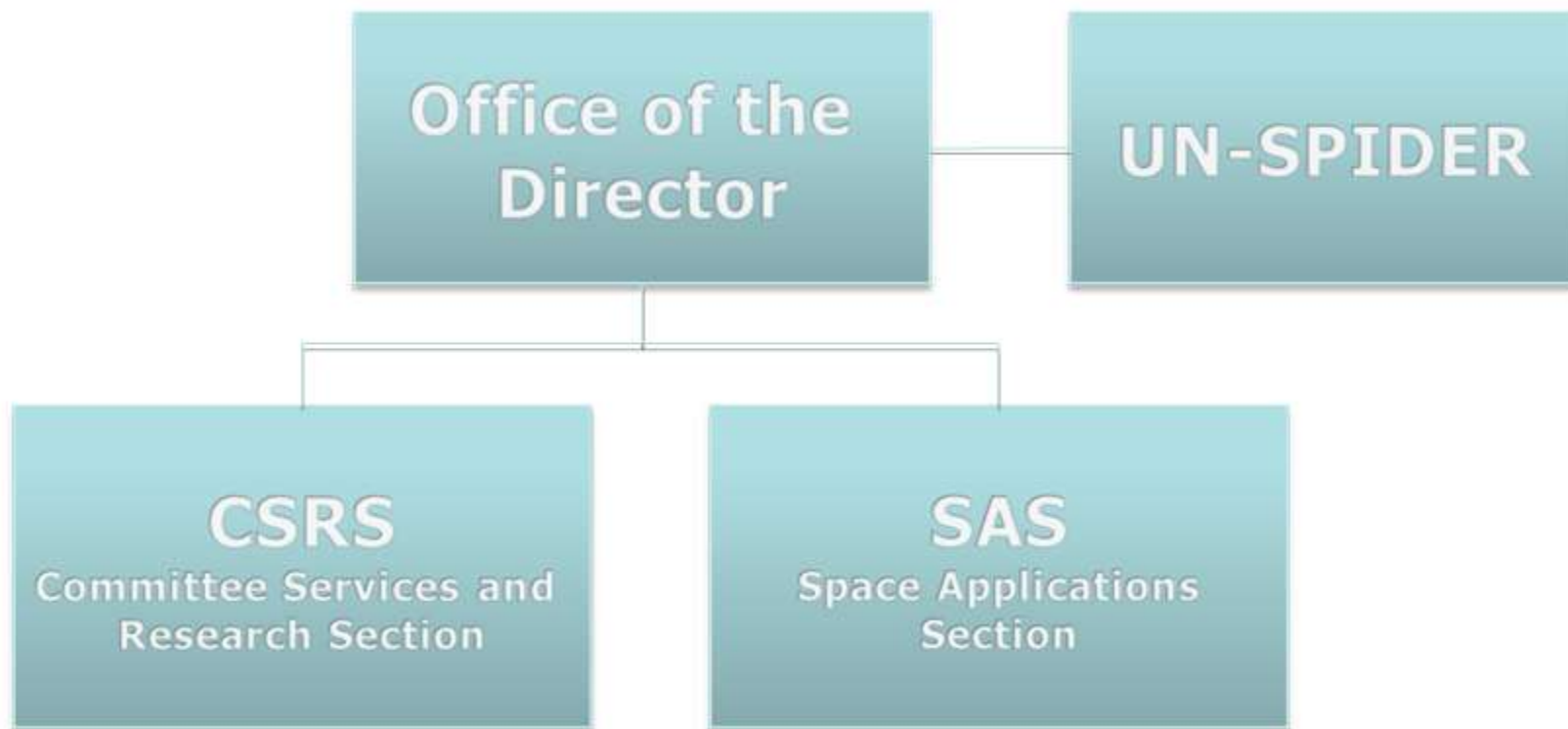
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UN Office for Outer Space Affairs





UN-SPIDER - Mandate (A/RES/61/110)

UN-SPIDER is a platform which facilitates the use of space-based technologies for disaster management and emergency response.

The United Nations General Assembly, in its resolution A/RES/61/110 of 14 December 2006, established UN-SPIDER as a programme implemented by the **United Nations Office for Outer Space Affairs (UNOOSA)**, with the following mission statement:

“Ensure that all countries and international and regional organizations have access to and develop the capacity to use all types of space-based information to support the full disaster management cycle.”

UN-SPIDER TEAM

UN-SPIDER in Vienna

UN-SPIDER Beijing Office

UN-SPIDER Bonn Office





Rationale - UN-SPIDER

- Disaster managers and geo-spatial community need a better coordination
- Access to the space-based information is often a challenge to the Member States
- DM plans/policies do not emphasize use of space based information
- Disaster management community needs
 - Technological awareness
 - Capacity building
 - Opportunities to access data

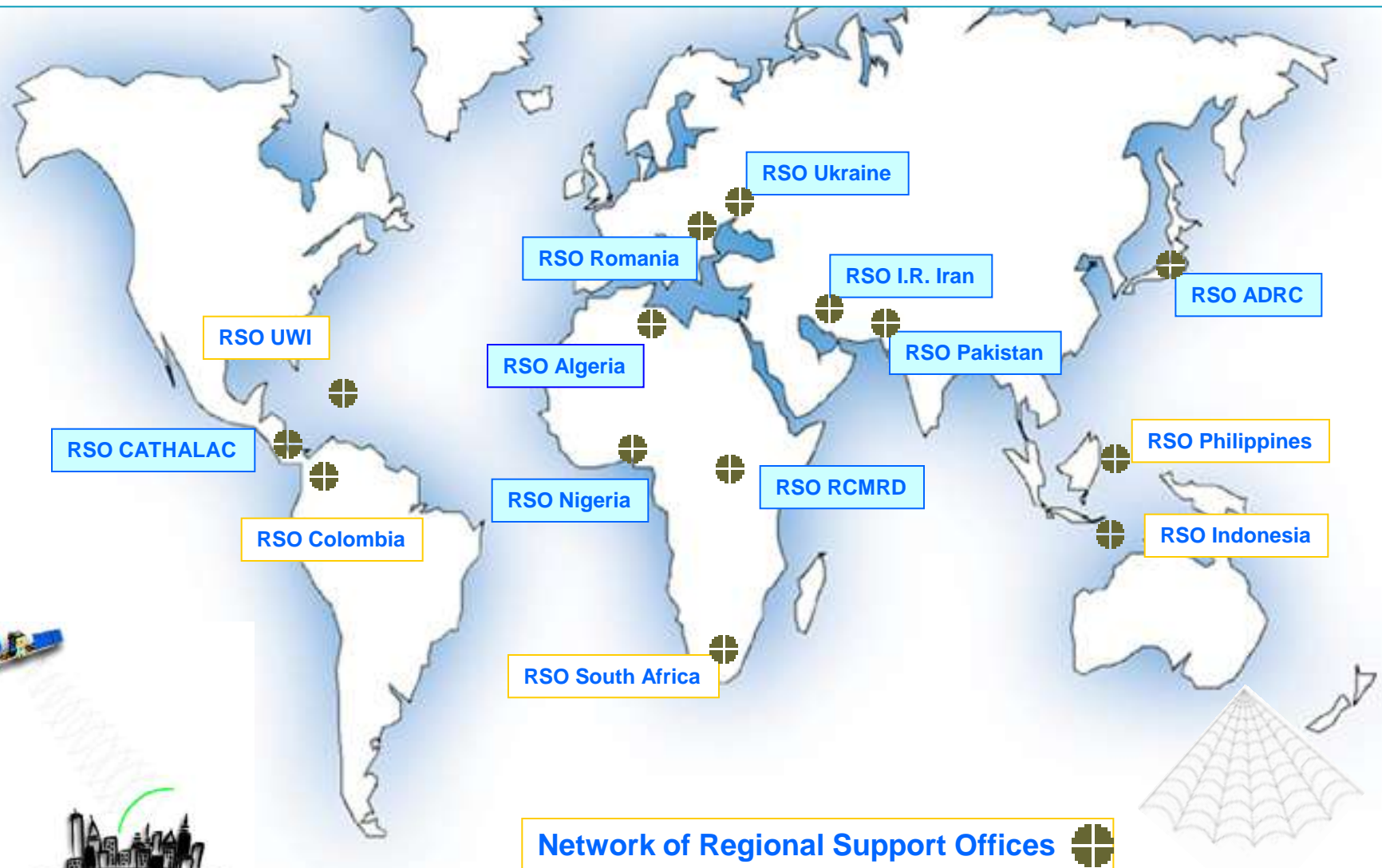


UN-SPIDER functions through the Network

- International and Regional Initiatives/Institutions
- Network of **Regional Support Offices (RSOs)**
- National Focal Points nominated by Member States

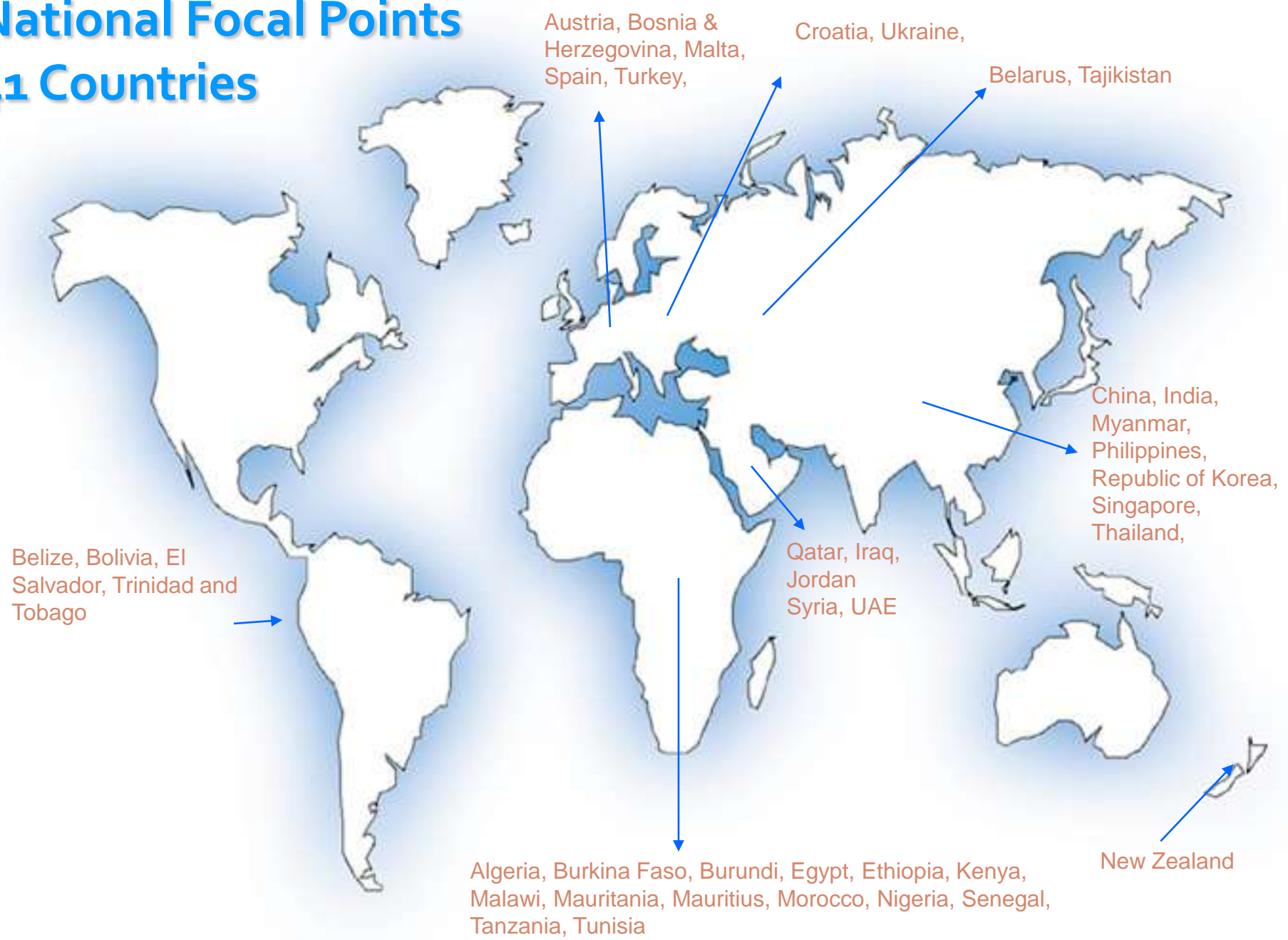


UN-SPIDER Regional Support Offices



National Focal Points

41 Countries



UN-SPIDER Activities



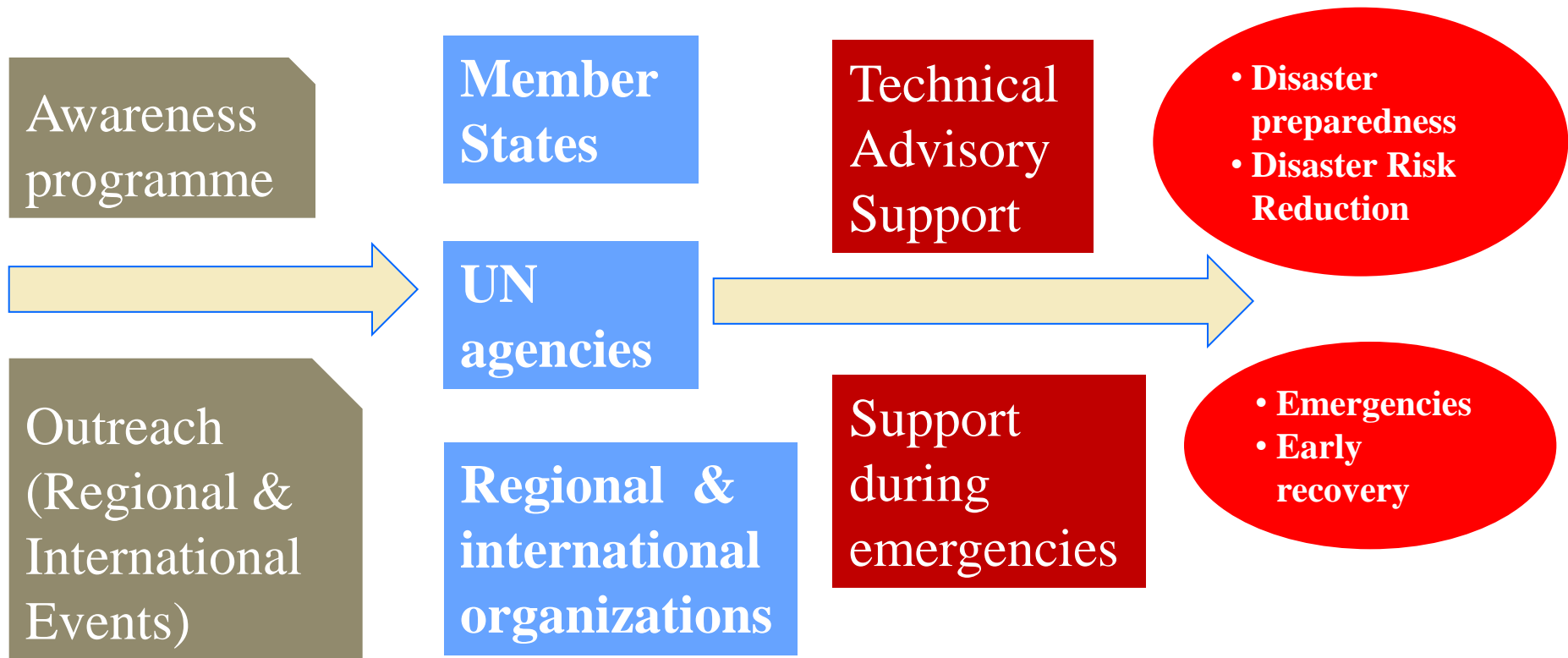
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United Nations Platform for Space-based Information for
Disaster Management and Emergency Response



Global Networking & Community Building





Technical Advisory Support





Technical Advisory Mission

Advocates updating disaster management plans/policies with focus on space-based information

- Togo (July 2009)
- Fiji (December 2009)
- Jamaica (December 2009)
- Ecuador (January 2010)
- Maldives (April 2010)
- Burkina Faso (November 2008)





Technical Advisory Mission

Brings together National Disaster Management Authorities and all stakeholders to create national platform to streamline spatial databases and promote use of space based information

- Togo (July 2009)
- Fiji (December 2009)
- Jamaica (December 2009)
- Ecuador (January 2010)
- Maldives (April 2010)
- Burkina Faso (November 2008)





Technical Advisory Mission

Enables country to access international mechanisms through UN-SPIDER (International Charter, SAFER, Sentinel Asia etc.)

- Togo (July 2009)
- Fiji (December 2009)
- Jamaica (December 2009)
- Ecuador (January 2010)
- Maldives (April 2010)
- Burkina Faso (November 2008)





Technical Advisory Mission

Involves UN agencies within the country and region in promoting use of space based information for DRR

- Togo (July 2009)
- Fiji (December 2009)
- Jamaica (December 2009)
- Ecuador (January 2010)
- Maldives (April 2010)
- Burkina Faso (November 2008)





Coordination meetings

Sensitize Government officials and UN agencies, generate awareness and provide essential information to access space based information

- Kenya
- Afghanistan
- Philippines
- Guatemala





Capacity building

Short training workshops in India
jointly with NIDM

Plans to organise more capacity
building programmes with
UNOOSA supported Regional
Centres for Space Science
Technology Education and other
partners

Curriculum for e-learning in
progress



Sitting (L-R) : Mr. Amir Ali Khan (Course Coordinator), Mr. Ganesh Kumar Jimoo, Mr. Aamir Ali Mir, Ms. Sreeraj S. Nair (Course Coordinator), Mr. Shirish Ravan (UN-SPIDER), Prof. N. V. C. Menon (Member NDMA), Prof. Santosh Kumar, Mr. Syed Nazmul Huda, Prof. Chandan Ghosh. Standing (L-R) : Mr. Anil Kumar, Mr. Shiv Narayan Sahu, Dr. (Mrs.) G. P. Kapoor, Dr. R. Dharmaraju, Mr. Rakesh Soni, Mr. M. Mahadevaiah, Mr. B. N. Mishra, Mr. Moon Chandra Deka, Dr. G. M. Dar, Mr. A. K. Ray, Dr. Satendra, Mr. Dilip Kumar Singh.



Knowledge Portal

A web portal for information, communication, and process support.

A platform supports knowledge management, capacity building, technical advisory support and SpaceAid.

www.un-spider.org



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Contact Profile

v0.7beta

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WHAT IS UN-SPIDER

UN-SPIDER aims at providing **universal access** to all types of space-based information and services relevant to disaster management by being a **gateway** to space information for disaster management support; serving as a **bridge** to connect the disaster management and space communities; and being a **facilitator** of capacity-building and institutional strengthening.

UN-SPIDER Promotional Video



Click again for watching the movie in a new window.

NEWS




DISASTER INFORMATION

Disaster	Region	Date
▶ Floods	Kenya	01/05/2010
▶ Earthquake	Northwest China	14/04/2010
▶ Floods	Kazakhstan	12/03/2010
▶ Floods	Mozambique	09/03/2010
▶ Earthquake	Eastern Turkey	08/03/2010
▶ Landslide	Uganda	01/03/2010

1 of 3 >>

SPACE APPLICATION MATRIX (preview)

UN-SPIDER KNOWLEDGE PORTAL



Using the Space Aid Matrix will allow you to interactively explore the possibilities of integrating space technology within disaster management.

It is a user-friendly and efficient tool for navigating through the Knowledge Portal

SPACEAID: LATEST DISASTERS



- ▶ Chile Earthquake
- ▶ Haiti Earthquake

VISUAL GLOBE (coming soon)



▶ Enter Visual Globe

CALENDAR

< May 2010 >

S	M	T	W	T	F	S
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

next events...



Emergency Support: The SpaceAid Framework

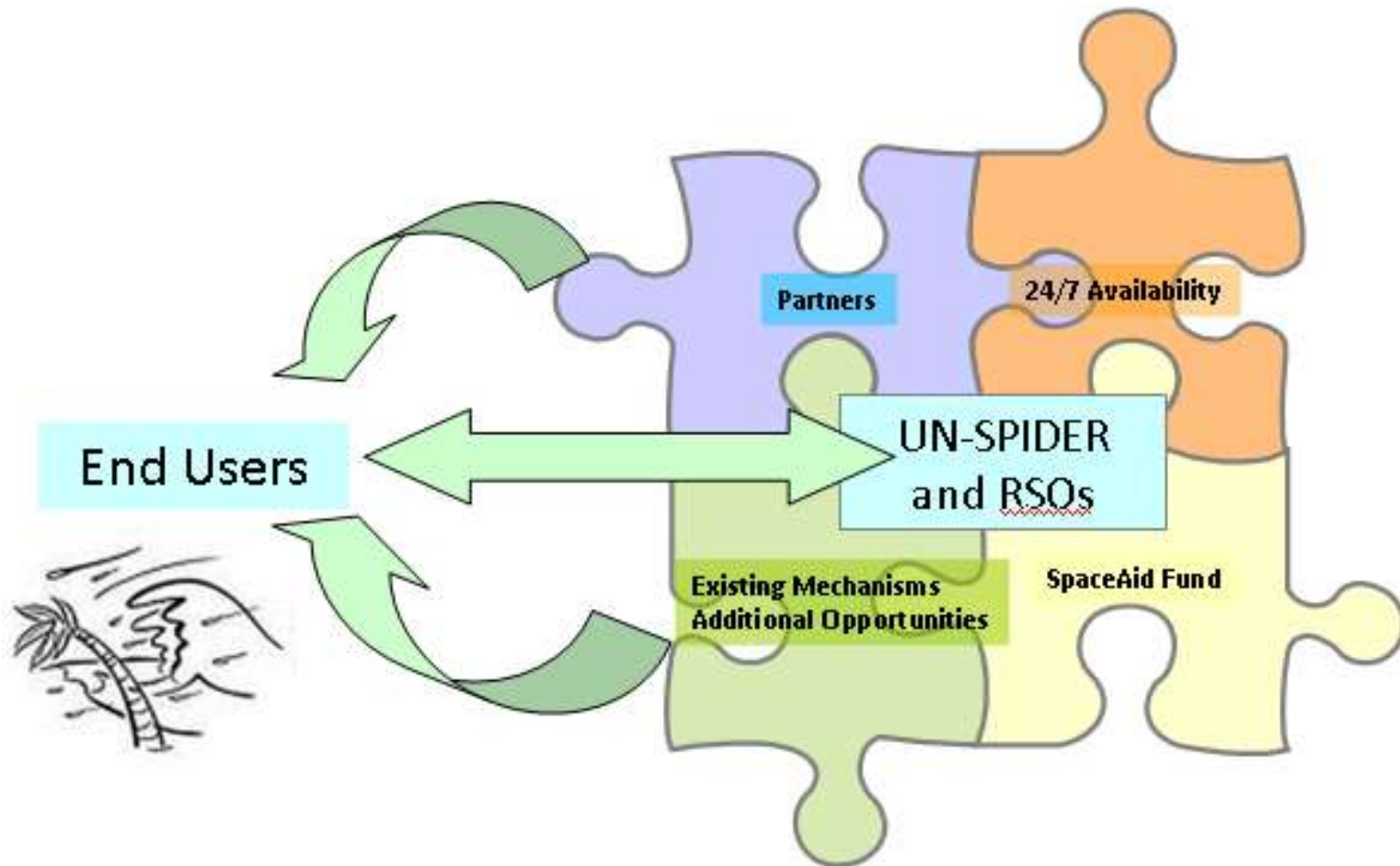
Single window to access all international mechanisms

Ensure all countries and international and regional organisations are able to access and use all types of space-based information for humanitarian and emergency response.

**24/7 Hotline for National Focal Points
and UN (telephone, email or fax)**



The SpaceAid Framework





SpaceAid – Events Supported in 2009-2010

2010 – Chile, China, Cook Islands, Gaza oPt, Guatemala, Haiti, Kazakhstan, Kenya, Madagascar, Pakistan (2x), Solomon Islands, Sri Lanka, Tajikistan, Tonga, Turkey, Uganda, Ukraine (2x)

2009 – Afghanistan, Bangladesh, Burkina Faso, El Salvador, Fiji (2x), Guatemala, Indonesia, Iran (I.R of), Italy, Lao PDR, Morocco, Namibia (2x), Philippines, Samoa, Senegal, Tajikistan, Vietnam



Outreach Activities - 2010

- UN-SPIDER Regional Workshop "Building Upon Regional Space-based Solutions for Disaster Management and Emergency Response for Africa" in **Addis Ababa** from 6 – 9 July 2010
- **Fourth international UN-SPIDER workshop, on disaster management and space technology: from concept to application, Bonn, Germany, 12 – 14 October 2010**





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