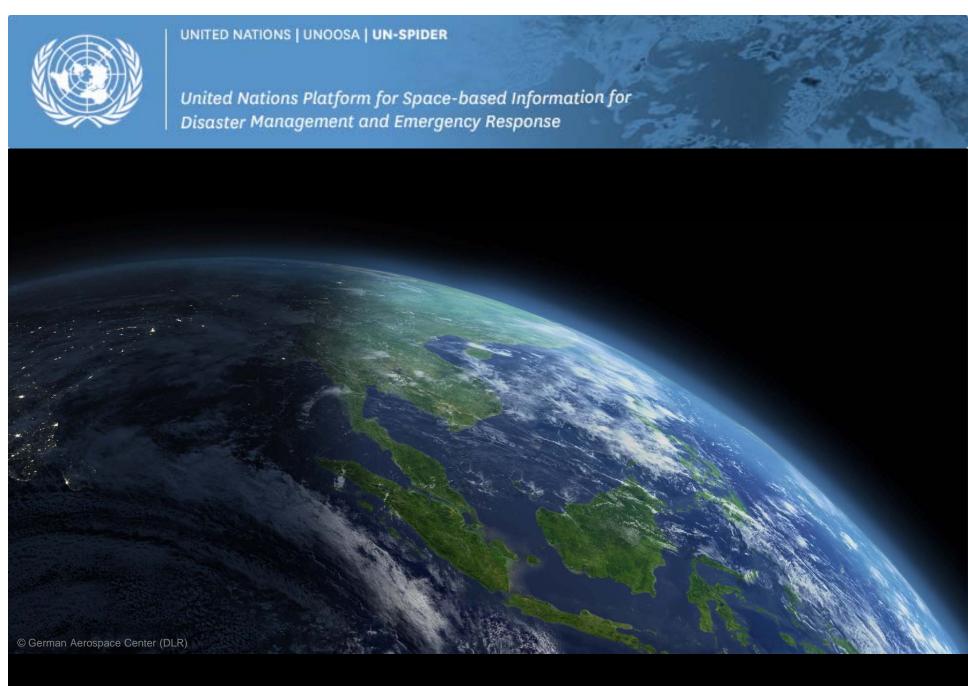




The UN-SPIDER Programme



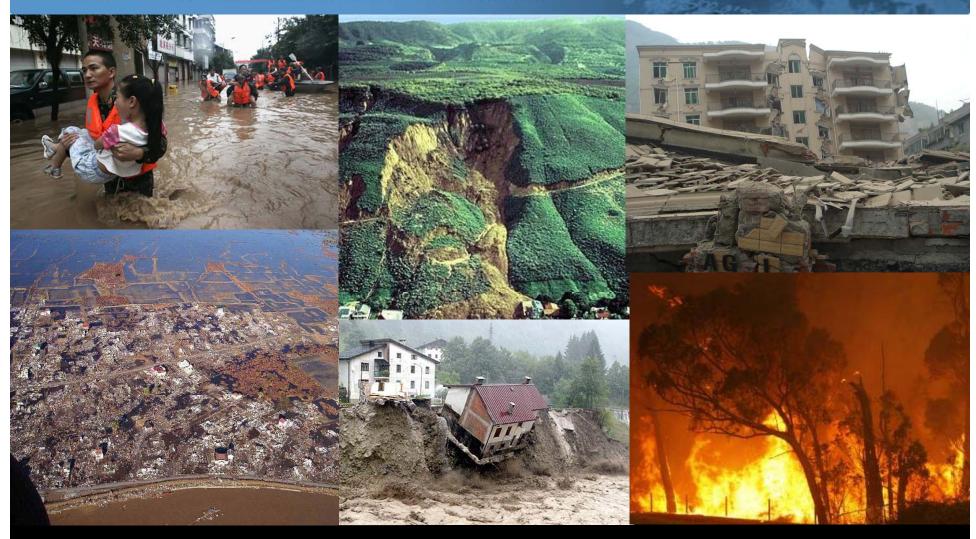


The Space-Community perspective...



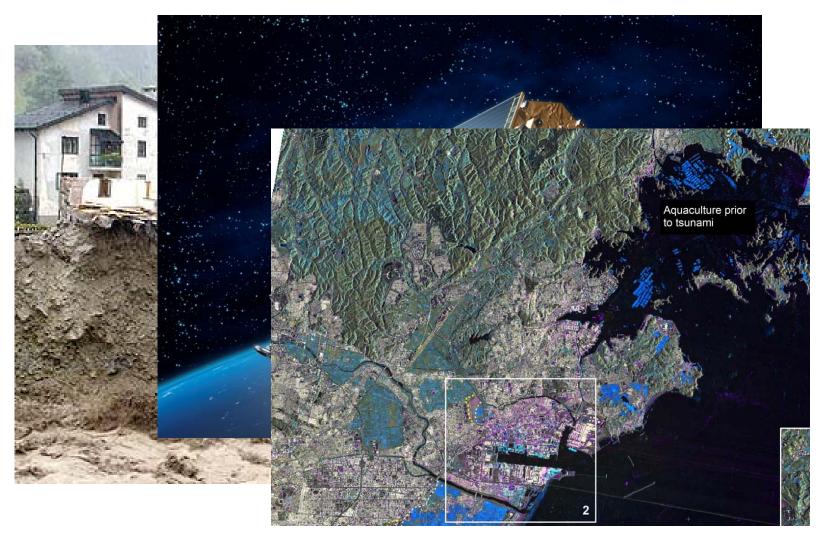
UNITED NATIONS | UNOOSA | UN-SPIDER

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



...and the Disaster Management Community reality!

Bridging the gap





Space-based Information

Satellite communications

- to warn people at risk (remote areas)
- to connect a disaster area to the outside world

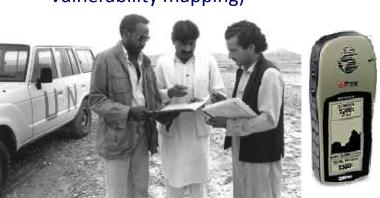


Images from **Earth observing satellites**

mapping disaster areas (overview, damage assessment), data layers for GIS applications (early warning, risk and vulnerability mapping)



- positional information on events
- support to relief forces







UNITED NATIONS | UNOOSA | UN-SPIDER

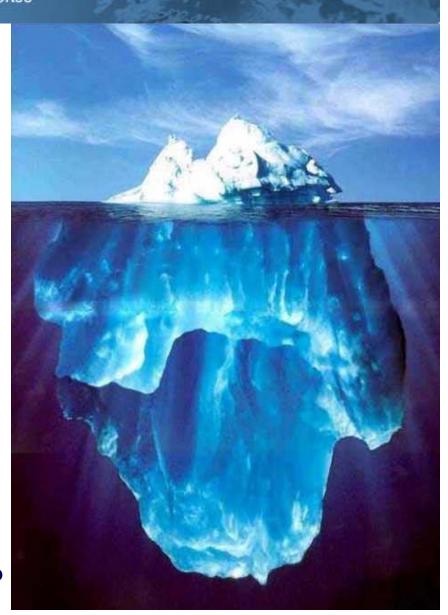
United Nations Platform for Space-based Information for Disaster Management and Emergency Response

Questions about "Space-based Information" from the user perspective





What information exists?
Where to find?
How to access?
What are the costs?
What is the timeliness?
What is the quality?





UN-SPIDER: Mission and Mandate

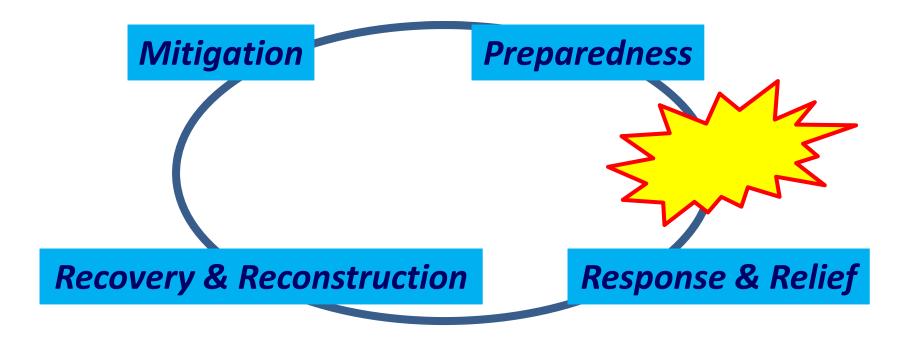
On 14 December 2006 the United Nations General Assembly, established UN-SPIDER as a programme implemented by the United Nations Office for Outer Space Affairs (UNOOSA), with the following **mission statement**:

"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."

- Especially 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

(A/RES/61/110)

The Disaster Management Cycle



Network

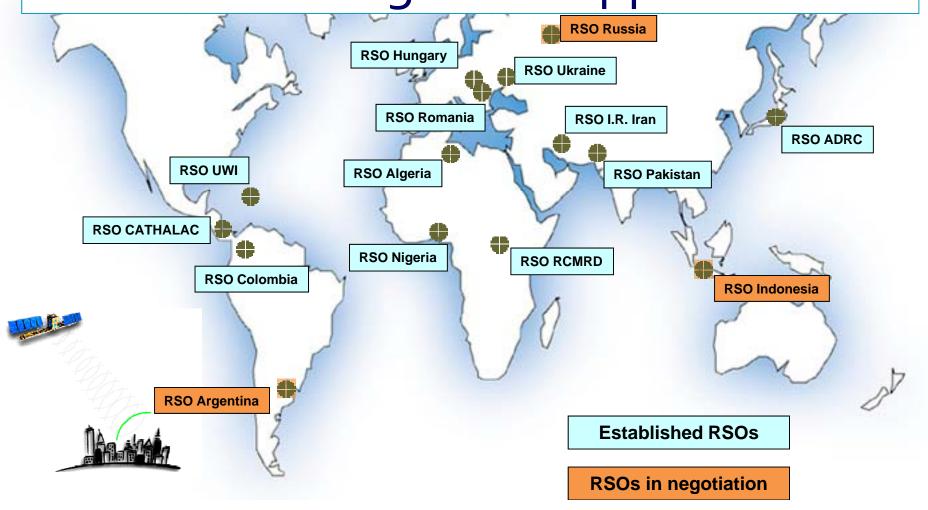
- UN-SPIDER Team in 3 offices
- Network of 12 Regional Support Offices
- 42 National Focal Points

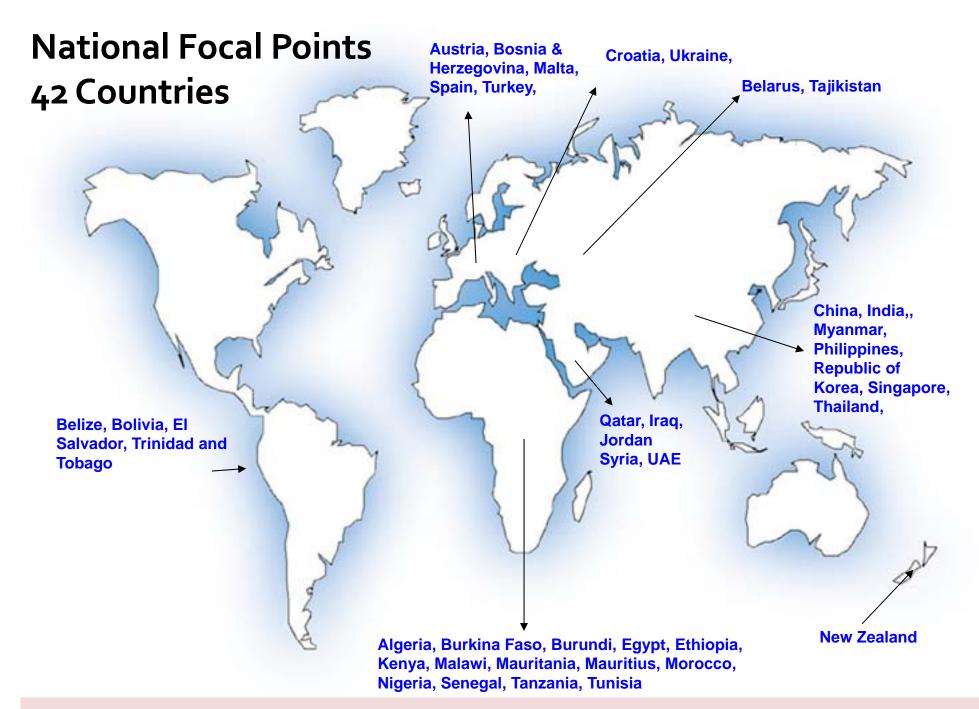






UN-SPIDER Regional Support Offices







How we work



Knowledge
Management &
Knowledge Portal

Outreach and Capacity Building



Technical Advisory Support



International Networks & Communities







Knowledge Portal

A web portal for information, communication, and process support. A platform which supports knowledge management, capacity building and technical advisory support

www.un-spider.org



UN-SPIDER Knowledge Sources:

UN-SPIDER Network
Internet
Workshops, conferences,
expert meetings
Crowd sourcing activities
Publications
Joint projects



UN-SPIDER World

Find all kind of news, events, resources, contact points about what, where and with whom we're working on a single map



http://www.un-spider.org/un-spider-world

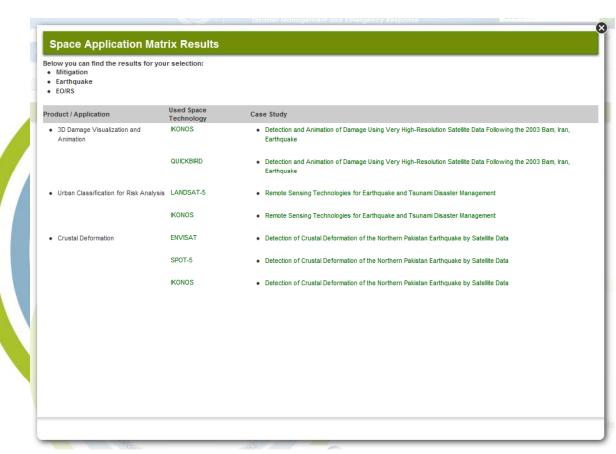


Space Application Matrix

Search tool for case studies on usage of space-based technology

Usage:

- 1. Select disaster type
- 2. Select space technology
- 3. Select disaster management cycle phase





Major Outreach Activities 2011

- Crowdsource Mapping for Preparedness and Emergency Response: Expert Meeting I, Vienna, Austria, 5 – 6 July
- Crowdsource Mapping for Preparedness and Emergency Response: Expert Meeting II, Geneva, Switzerland, 16 November
- Regional Training Activity, Ouagadougou, Burkina Faso, 26 – 30 September
- United Nations International Conference on Space-based Technologies for Disaster Risk Management: Beijing, China, 22 – 25 November
- Support to Regional Events





Technical Advisory Support

- What national capacity exists to use space-based information?
- How are institutions working together to support disaster risk management through space-based information?
- Where are constraints/gaps which restrain the use of space-based information for disaster risk management

Technical Advisory Missions

Technical Support

Facilitation of direct cooperation



Technical Advisory Support (2010-2011)





Disasters Supported in 2010-2011

- Benin
- Burkina Faso
- Chile
- China
- Cook Islands
- Gaza oPt
- Guatemala
- Iran
- Japan
- Haiti
- Horn of Africa

- Kazakhstan
- Kenya
- Madagascar
- Moldova
- Myanmar
- Namibia
- Pakistan (3x)
- Panama
- Philippines
- Senegal

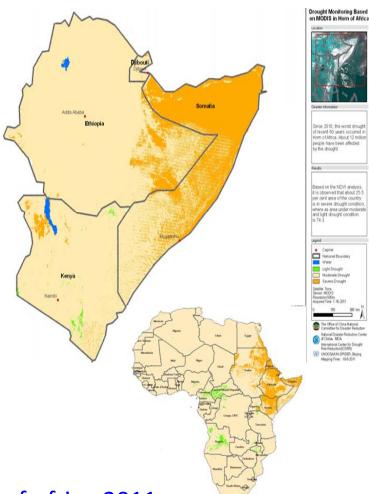
- Solomon Islands
- Sri Lanka
- South Sudan
- Tajikistan
- Thailand
- Tonga
- Turkey
- Uganda
- Ukraine (2x)

Support to the Horn of Africa

Regions of Somalia, Kenya, Ethiopia and Djibouti are severely affected by extreme drought, forcing large numbers of people to migrate in search of humanitarian assistance.

Involvement of UN-SPIDER:

- Collaborated with major international and regional partners
- Established a resource page on the Knowledge Portal



http://www.un-spider.org/horn-of-africa-2011

UN Office for Outer Space Affairs

Some information

- Established 1962
- ~40 staff members
- Main office in Vienna, branch offices of UN-SPIDER in Beijing and Bonn
- Part of UN Office in Vienna and the Secretariat (UNOV)
- Headed by Director Mazlan Othman (since 2007)

UN Office for Outer Space Affairs

Work topics

- Promotes international cooperation in the peaceful uses of outer space
- Serves as the secretariat for the UN Committee on the Peaceful Uses of Outer Space (UN COPUOS)
- Maintains the UN Register of Objects Launched into Space

Involved in capacity building for

- Remote sensing
- Satellite navigation & meteorology
- Tele-education & basic space science



Structure of the UN-SPIDER team

Interdisciplinary team (geography, international relations, biology, computer sciences, physics, political sciences)



- 3 JPOs
- 4 staff seconded from other agencies
- 3 consultants
- 2-8 interns



THANK YOU!

Luc.St-Pierre@unoosa.org





http://facebook.com/UNSPIDER