

UNITED NATIONS
Office for Outer Space Affairs




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 (UN-SPIDER) 1

UNITED NATIONS
Office for Outer Space Affairs




United Nations Office for Outer Space Affairs - UNOOSA

The Office is responsible for promoting international cooperation in the peaceful uses of outer space, to support the achievement of development goals for the benefit of humankind

The Office implements the decisions of the United Nations General Assembly and of the Committee on the Peaceful Uses of Outer Space and its two Subcommittees, the Scientific and Technical Subcommittee and the Legal Subcommittee.

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 2

UNITED NATIONS
Office for Outer Space Affairs




UN-SPIDER

- The United Nations General Assembly established the "United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)" as a programme within the United Nations to provide universal access to all types of space-based information and services relevant to disaster management. (A/RES/61/110)
- "Ensure that all countries and international and regional organisations have access to and develop the capacity to use all types of space-based information to support the full disaster management cycle"

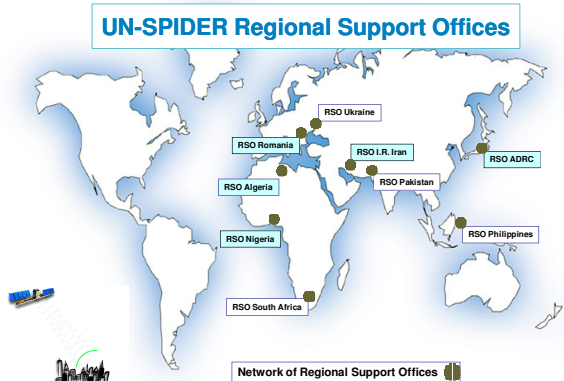
United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)

UN-SPIDER TEAM




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

UN-SPIDER Regional Support Offices



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

UNITED NATIONS
Office for Outer Space Affairs



UN-SPIDER

NFP

National Focal Points

- UN-SPIDER networks with all countries through the 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: 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.

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 6

UNITED NATIONS Office for Outer Space Affairs

HORIZONTAL COOPERATION

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.

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.

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.

UN-SPIDER Activities

OUTREACH AND CAPACITY BUILDING

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

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 7

UNITED NATIONS Office for Outer Space Affairs

UN-SPIDER in the South Asia

- Regional Support Office in Pakistan
- Planning regional workshop to cover climate change and disasters in Bangladesh
- Plan to participate in ISDR platform meet in Maldives
- Ongoing Technical Advisory Support to Bangladesh, Sri Lanka, Maldives

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 8

UNITED NATIONS Office for Outer Space Affairs

Technical Advisory Support

Awareness raising

Current use of Space-based Information for Disaster Management

Propose actions that will improve access and use to space based information

Define Capacity Building needs

Link NDMO and partners to the opportunities (national, regional, international)

Evaluate contribution of space based information to tsunami response and recovery

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

UNITED NATIONS Office for Outer Space Affairs

Technical Advisory Mission (TAM) in Togo in July 2009

- Identified recommendations to update disaster management plans
- Boosted efforts to establish NSDI**
- Strengthened links of Togo with regional and international initiatives for capacity building

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

UNITED NATIONS Office for Outer Space Affairs

Technical Advisory Mission (TAM) in Burkina Faso in November 2008

- Access to satellite image during September 2009 floods
- Fostered networking of experts at regional and international level to provide advice for monitoring of flood situation and formulate projects within Flash Appeal**
- Active capacity building efforts

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

UNITED NATIONS Office for Outer Space Affairs

Namibia: Pilot project on integrated flood management and water related vector borne disease modelling

- UN-SPIDER co-leading efforts with NASA's GSFC and NOAA's CREST (Sensor Web Initiatives)
- Derivation of flood forecasting models based on weekly EO-1, Formosat and QB collection
- Useful for next flooding season
- Technical experts meeting hosted in Bonn in October 2009

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

UNITED NATIONS Office for Outer Space Affairs

Ensuring Access to Existing Opportunities

Response

- SpaceAID** – A framework that ensures all countries and international and regional organisations are able to access and use space-based information for humanitarian and emergency response
 - 24/7 Hotline for NFPs and UN Agencies

Risk Reduction

- SPIDER Global Thematic Partnership** – established at the 2nd GPDRR. Working together to ensure access and use for disaster risk reduction.

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 13

UNITED NATIONS Office for Outer Space Affairs

SpaceAid Framework

- Facilitate fast access to space-based information for affected countries, international and regional organizations in the event of a disaster
- All types of space-based technology (navigation, communication, imagery etc)
- Framework operational 24 hours a day/ 7 days a week
- Service request through a hotline (telephone, email or fax)
- Work through Regional Support Offices, National Focal Points, UN Agencies and partner regional organisations.

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 14

UNITED NATIONS | UNOOSA | UN-SPIDER

United Nations Platform for Space-based Information for Disaster Management and Emergency Response v0.7beta

HOME NEWS SPACE AID KNOWLEDGE BASE COMMUNICATION ABOUT US

ARTICLE

UN-SPIDER UPDATE: PHILIPPINES - TYPHOON KETSANA - SPACE-BASED INFORMATION STATUS UPDATE

Author: Tony Lyu
 Tagging: typhoon Philippines Typhoon
 Date: 26 Sep 2009

UPCOMING EVENTS

Global Monitoring for Environment and Security (GMES) – exploring opportunities for cooperation with the United Nations
 November 12th, 2009
 Organized by: Jorge Sureda – European Geoinformation Network with support from (more...)

UN-SPIDER

SpaceAid - Available Space-based Information for: Philippines - Typhoon Ketsana - 26 Sep 2009

Status Updated: 16/10/2009

UNOOSA-UN-SPIDER:
 Focal Point: Tony Young Lyu (spaceaid[at]unoosa.org)

Links: <http://www.un-spider.org/>

ReliefWeb:
 Available maps: <http://www.reliefweb.int/rw/rwb.nsf/doc/04709w?form&cid=TC-2009-000205-PHL&rs=3>

User login
 Username:
 Password:

UNITED NATIONS Office for Outer Space Affairs

How to get information on UN-SPIDER

Check out:
<http://www.unspider.org>

Knowledge portal:
<http://www.un-spider.org>

UN-SPIDER Promotional Video:
<http://www.youtube.com/watch?v=pAnEZU5BIXM>

UN-SPIDER Knowledge Portal

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 16

UNITED NATIONS Office for Outer Space Affairs



United Nations Office for Outer Space Affairs

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

THANK-YOU

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) 17