



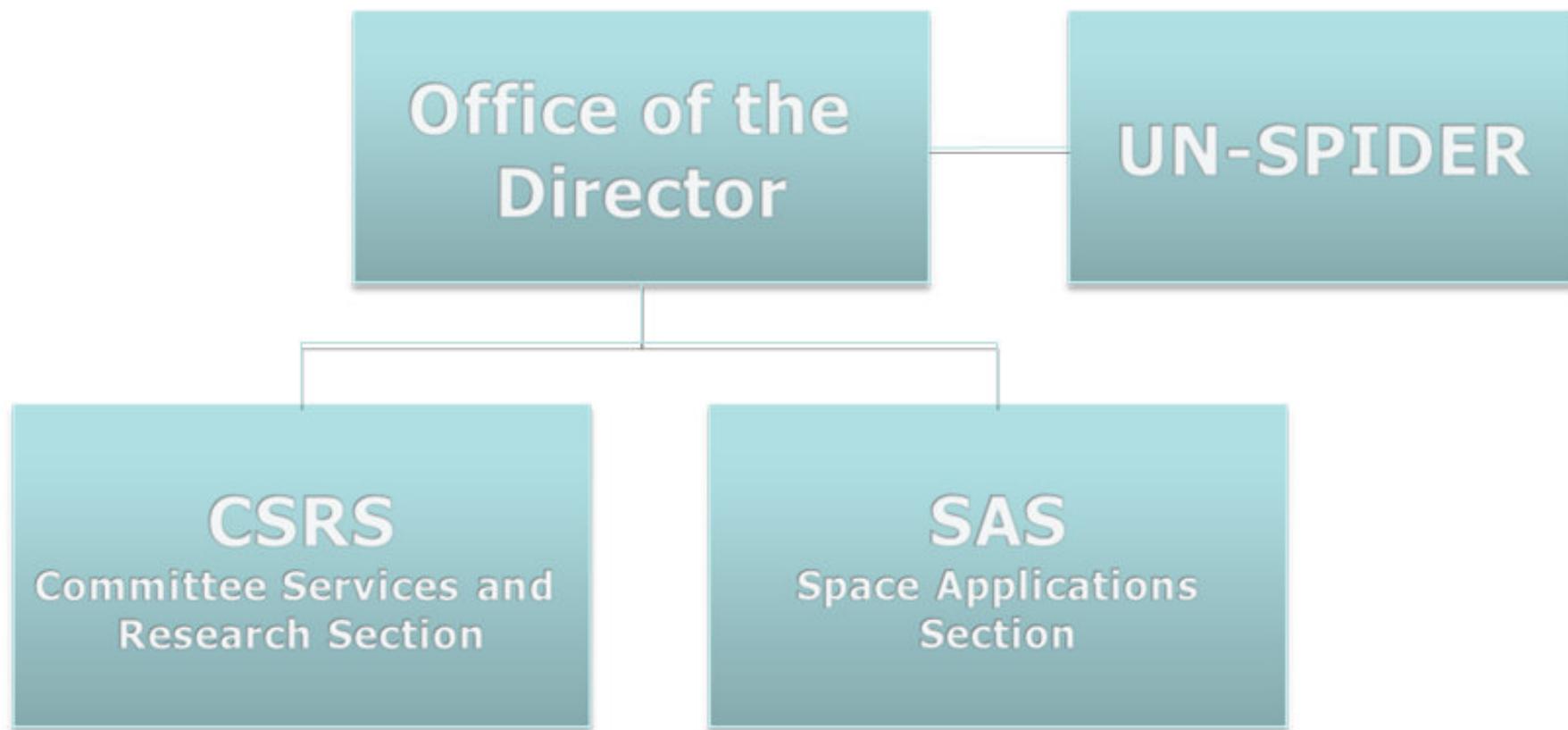
UN-SPIDER

2008 Activities



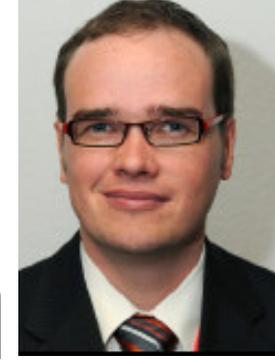


UN-SPIDER within OOSA





UN-SPIDER Team





Available Reports

- **A/AC.105/929** - Report on activities carried out in 2008 in the framework of the United Nations Platform for Space-based Information for Disaster Management and Emergency Response
- **A/AC.105/927** - Outreach activities carried out in 2008 in the framework of the United Nations Platform for Space-based Information for Disaster Management and Emergency Response

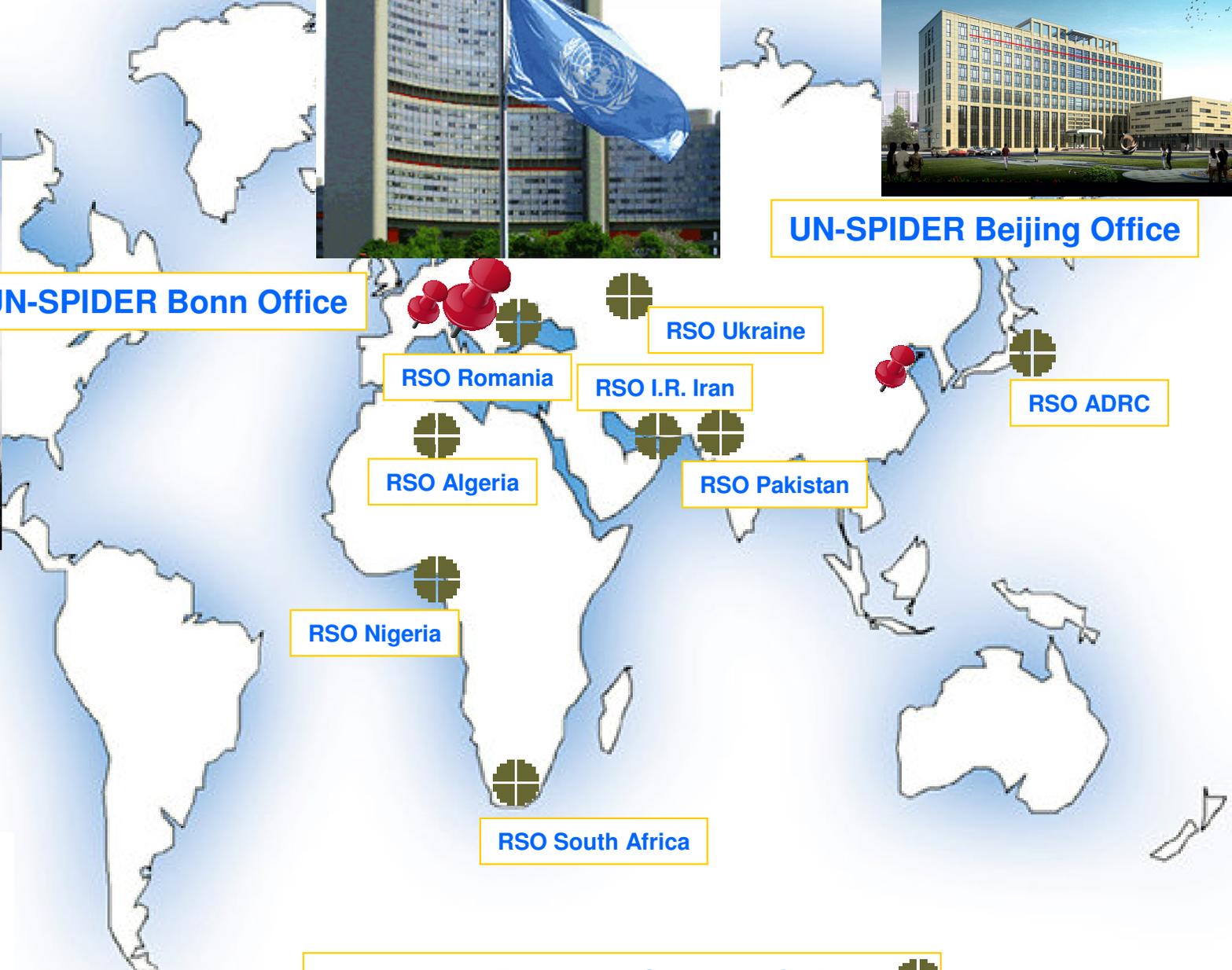
OOSA/Staff in Vienna



UN-SPIDER Beijing Office



UN-SPIDER Bonn Office



RSO Ukraine

RSO Romania

RSO I.R. Iran

RSO ADRC

RSO Algeria

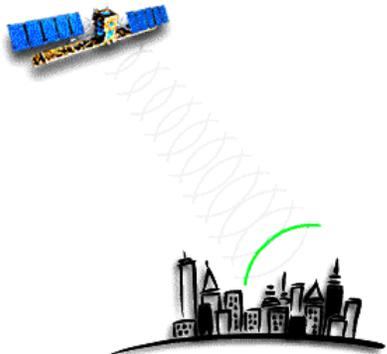
RSO Pakistan

RSO Nigeria

RSO South Africa

Network of Regional Support Offices 

or Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)

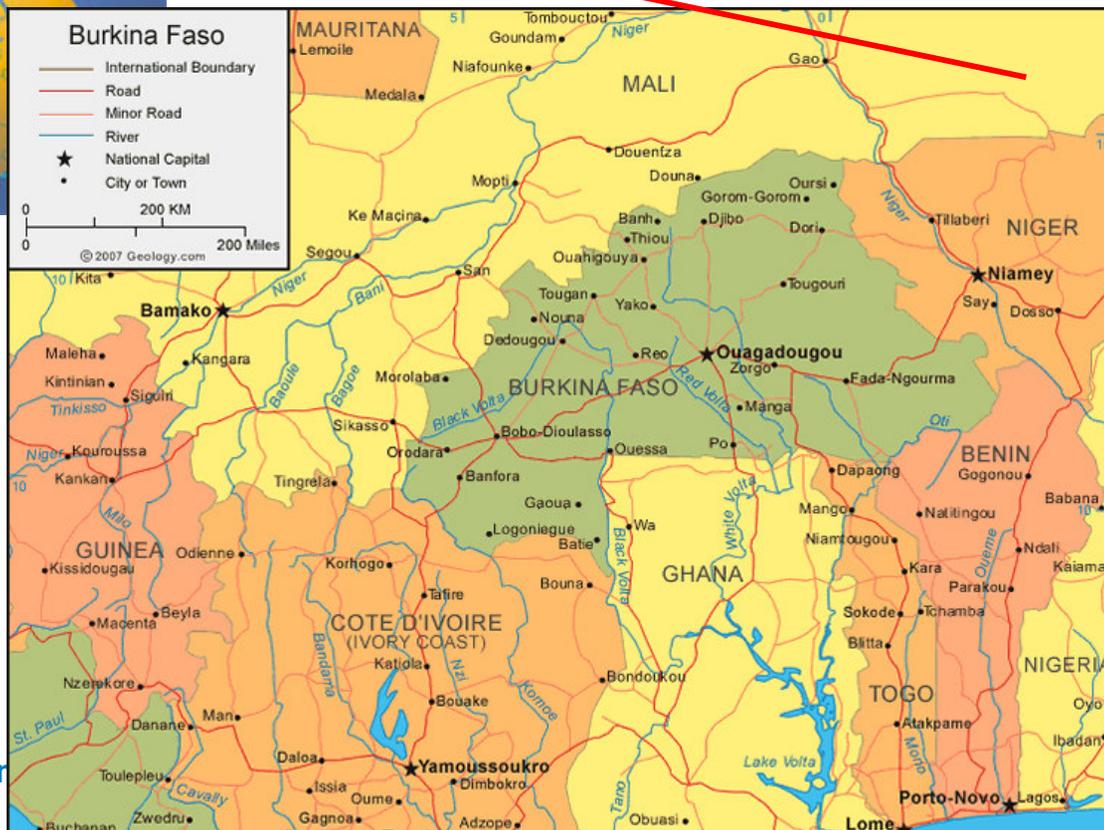




Technical Advisory Mission to Burkina Faso



- June 2008: request by COPUOS member Burkina Faso
- August 2008: Preparatory meeting in Ouagadougou
- Technical Advisory Mission 17 to 21 November 2008





Technical Advisory Mission to Burkina Faso

Mission team:

- Said Benali (Agence Spatiale Algérienne)
- Mario Hucteau (Centre National d'Etudes Spatiales, France)
- Catherine Lefebvre UNOCHA Regional Office West Africa)
- Joerg Szarzynski (UN-SPIDER)
- Martin Raithelhuber (UN-SPIDER)

National counterpart:

- SP/CONEDD
(Min. of Environment)





Technical Advisory Support to Namibia

- Support access to Charter mechanism during emergency
- Provide expert advice on suitable imagery for flood situation under cloud cover
- Facilitate link to non-Charter image providers
- Receive and evaluate user feedback
- Support development of training course based on user needs assessment
- Conduct technical advisory mission with field visit and training course

**ers and jobs
people across 22
Africa countries.**
The abrupt termination of services has left Namibian investors in GTV Namibia "absolutely devastated".

ers say they feel betrayed by the process of liquidation, especially that they have not been in the loop until Friday. The shareholders are in discussions with their legal team to secure the rights and interests of

Namibian subscribers and creditors. GTV Namibian director, Josephat Mwatotele, said although they are mindful of the liquidation process in the UK, GTV Namibia's first priority is to ensure that

the closure of GTV Namibia is done according to Namibian laws and constitution. GTV came to Africa in 2007, starting with Kenya and ending with Namibia, attracting a growing following thanks to the

Namibia Seeks to Enhance Floods Management

By Petronella Sibeena

WINDHOEK – Namibia has appealed to the International Charter "Space and Major Disasters" for support so that the country can receive satellite images to help respond timeously to floods, especially in the northern parts of the country.

A year after floods devastated regions in the northern parts, namely Oshana, Oshikoto, Ondangwa and Oshana, Namibia still lacks modern equipment crucial in providing data that can be used to avert floods and the devastating consequences. Satellite images will enable relevant authorities to quickly gauge the magnitude of such disasters in future.

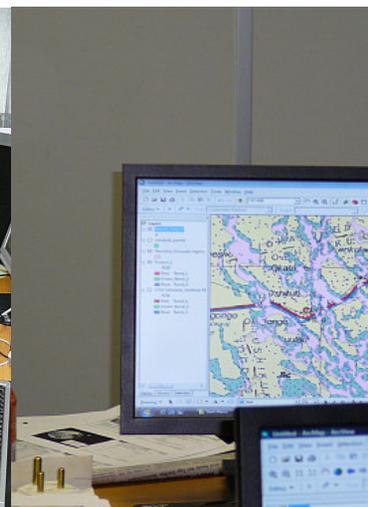
The satellite images will not only provide authorities a synthetic view of the flood over a wide part of the prone areas, but will also help in assessing prevention and response plans.

On Friday, officials from relevant government ministries, the United Nations Office for Outer Space Affairs and the German Aerospace Centre met in the capital for a national stakeholders workshop and hands-on training on Remote Sensing Data Interpretation Technology for Flood Mapping in northern Namibia.

Martin Neumann of the German Technical Cooperation to Namibia (GTZ) told *New Era* that the satellite imagery, provided free of charge

FLOODS Page 2

Tel.: 061-273300; Fax: 061-235419; Private Bag 13364, Windhoek; e-mail: ne





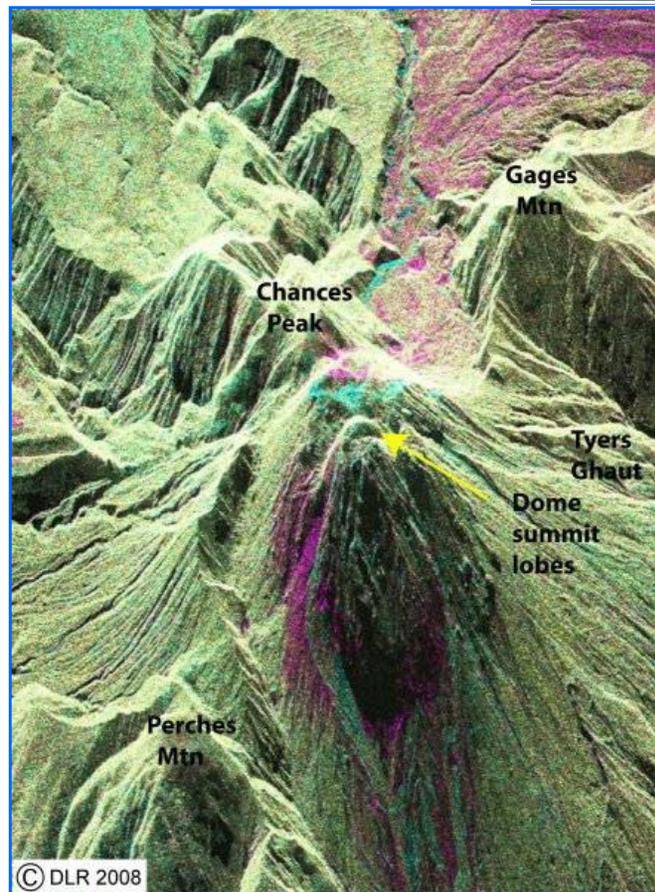
Montserrat: July 2008

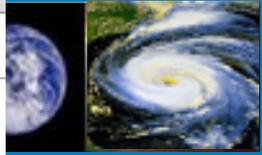
Seismic activity of Soufriere Hills Volcano, 28 July

- Stability concerns after partial dome collapse
- risk of further dome collapses and impact on inhabited areas led to *CHARTER* activation
- based on the data, stability risk judged improbable, planned evacuation could be skipped

“If I hadn’t been at the UN-SPIDER Meeting in Barbados, none of this would have happened.”

Roderick Steward
Acting Director, Montserrat Volcano Observatory






UNITED NATIONS | UNOOSA | UN-SPIDER

[Contact](#) [Profile](#) [Login](#)

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

[HOME](#) [NEWS](#) [SPACE AID](#) [KNOWLEDGE BASE](#) [COMMUNICATION](#) [ABOUT US](#) [YOUR LIST](#)

[Advanced Search](#) [Visual Globe](#)

WHAT IS UN-SPIDER?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce tristique. Cras ipsum urna, semper vitae, aliquet eget, rutrum sed, pede. Morbi at sapien. Etiam cursus fincidunt est. Praesent et mauris. Nullam sodales, nulla et facilis lobortis, libero enim posuere lacus, vitae convallis sapien odio in

DISASTER INFORMATION

Disaster	Region	Time
▶ Hanna (Cyclone)	Dominican Republic, Haiti	3 hours ago
▶ Karina (Cyclone)	East Pacific	29.08.2008
▶ Ike (Cyclone)	Atlantic	24.08.2008
▶ Josephine (Cyclone)	Atlantic	21.08.2008
▶ Gustav (Cyclone)	United States	21.08.2008
▶ Nime (Cyclone)	Atlantic	13.08.2008



- NEW ON UN-SPIDER** [View all](#)
- 

18.09.2008 / Spring School on Spatial Solutions for Disaster Management in Brazil From 8 to 12 September 2008, ... [▶ Read more](#)
 - 

11.09.2008 / Supporting national disaster management in Burkina Faso. Following a request of the Government of ... [▶ Read more](#)
 - 

10.09.2008 / International conference on 'Global Change and Water Resources in West Africa. More than 200 researchers, ... [▶ Read more](#)

SPACE AID MATRIX



YOUR SELECTION

- DISASTER TYPE TSUNAMI
DISASTER CYCLE PREPAREDNESS
SPACE TECHNOLOGY SAT NAV [default](#)
- DISASTER TYPE RELIEF (HUMAN)
DISASTER CYCLE MITIGATION
SPACE TECHNOLOGY SAT NAV [default](#)
- No Selection
- No Selection

[view selection](#)

USER INSTRUCTIONS

- Choose your Type of Disaster (The matrix will rotate)
- Choose the Disaster Cycle in combination with the Space Technology
- Choose up to 4 cases and view your selection.

[▶ Enter Space Aid Matrix](#)

- GUIDES**
- [▶ Mechanisms Guides](#)
 - [▶ Capacity Building Guides](#)
 - [▶ Space Aid Guides](#)
 - [▶ Technology Guides](#)
 - [▶ Disaster Management Guides](#)
 - [▶ Health Support Guides](#)
 - [▶ Person Guides](#)
 - [▶ Case Studies](#)
 - [▶ Glossary](#)

EVENTS CALENDAR [View all](#)

October

			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		

13. / 14. / 15.10.2008 Disaster Management and Space Technology - Bridging the Gap



Second United Nations International UN-SPIDER Bonn Workshop ... [▶ Read more](#)

NEWSLETTER

Monthly News from UN-SPIDER? Subscribe to the newsletter.

[▶](#)

RSS FEED

UN-SPIDER via RSS Feeds 



U
O



UNITED NATIONS | UNOOSA | UN-SPIDER

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

Contact Profile Login

HOME NEWS SPACE AID KNOWLEDGE BASE COMMUNICATION ABOUT US YOUR LIST

Mechanisms Guides | Capacity Building Guides | Space Aid Guides | Space Aid Matrix

Search... Advanced Search Visual Globe

Home / Space Aid / Space Aid Matrix

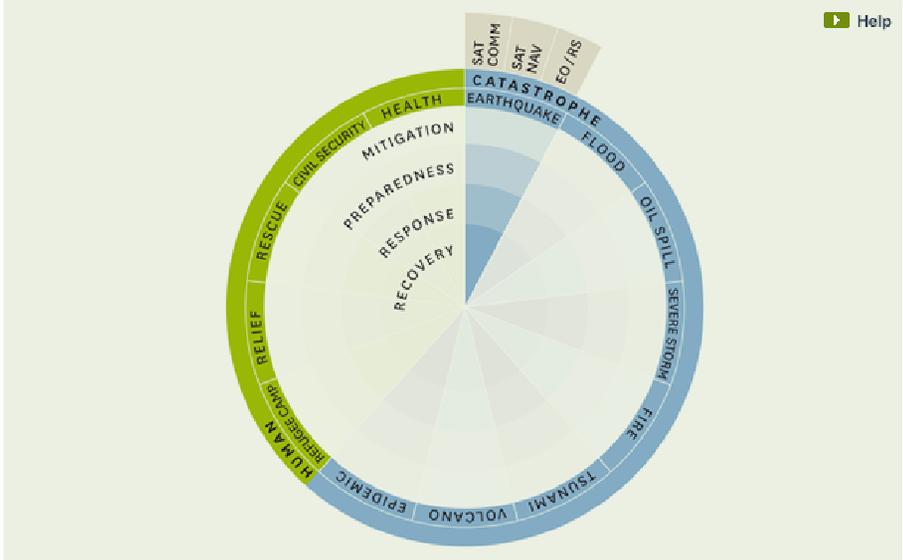
SPACE AID MATRIX

USER INSTRUCTIONS

Step 1: Choose your Type of Disaster (The matrix will rotate).

Step 2: Choose the Disaster Cycle in combination with the Space Technology.

Step 3: Choose up to 4 cases and view your selection.



RESULTS (9)

DISASTERS (3)

- Cyclone: Norbert (October 2008)
- Hurricane: Ike (September 2008)
- Hurricane: Gustav (August 2008)

DOCUMENTS (4)

- News Article: NASA Satellite Captures Image of Cyclone Norbert Flooding
- Report: Lessons Learned from Hurricane Ike Evacuation
- Model: GIS Risk Assessment Model for Hurricanes in the Caribbean
- Case Study: Cyclone Nargis – Multiple Imagery Provider Coordination

CONTACTS (2)

- Kerry Emanuel, Professor, Meteorology, MIT
- Wen-Chau Lee, Scientist, National Center for Atmospheric Research

SPACE AID MATRIX TRAILER

Play movie

GLOSSARY View all

Earth Observation (EO/RS)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce tristique. Cras ipsum urna, semper vitae, aliquet eget, rutrum sed, pede. Morbi at sapien. Etiam cursus tincidunt est. Praesent et mauris ...

Read more

Satellite Navigation (Sat Nav)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce tristique. Cras ipsum urna, semper vitae, aliquet eget, rutrum sed, pede. Morbi at sapien. Etiam cursus tincidunt est. Praesent et mauris ...

Read more

Satellite Communication (Sat Com)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce tristique. Cras ipsum urna, semper vitae, aliquet eget, rutrum sed, pede. Morbi at sapien. Etiam cursus tincidunt est. Praesent et mauris ...

Read more



UN-SPIDER Communication & Collaboration Features Workspace Management

Navigation Bar

Posting

Members

Documents

The screenshot shows the UN-SPIDER workspace interface. On the left, there is a navigation bar with sections: 'Grundlagen Interfacedesign', 'NEUER INTERFACEDISIGN', 'MITGLIEDER', 'WORTSÄTZE', and 'PRÄSENTATIONEN'. Red arrows point from the text labels on the left to these sections. The main content area displays a post by Stephan Thiel, dated 30.05.2006, with a satellite image of a coastline and a diagram of musical notes. Below the post, there are several other posts from Prof. Berts Müller, Vanessa Schoenaker, and Marco Rahn, each with a date and time. The interface includes a search bar at the top right and a login section.

UN-SPIDER Newsletter

October 2008 Vol. 2/08

In this issue:

Disaster Management

Montserrat Volcano >> Page 1
South Asia Floods >> Page 3

Technical Advisory Missions

Burkina Faso >> Page 1

UN-SPIDER Workshops

Caribbean/Barbados >> Page 2
Pacific/Fiji >> Page 2
International/Bonn >> Page 3

Regional Support Offices

Setting Guidelines >> Page 3

Capacity Building

Brazil Spring School >> Page 4

Staffing

Lorant Czarán >> Page 4

Awareness Raising

African Ambassadors >> Page 5

Outreach

Iran Workshop >> Page 5
UN-wide Meeting >> Page 5

Outside Workshops

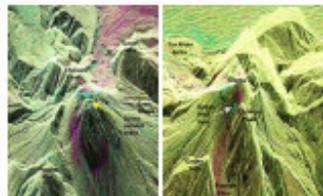
European Congress DM >> Page 6
IDRC 2008 >> Page 6

UN-SPIDER Connects Disaster Managers with Satellite Imagery Providers

Assists Satellite Imagery Acquisition for Volcanic Activities in Montserrat and Flooding in Southeast Nepal/Indian Bihar

ON 26 JULY 2008, seismic activity at the Soufriere Hills Volcano started to increase in Montserrat, a British Overseas Territory in the Caribbean. This volcano has been intermittently active for 13 years. On 28 July, an explosion took place on the west side of a large lava dome at the summit. The dome partially collapsed, and there was a strong possibility that the explosion had caused instability in the rest of the dome, with the possibility to cause further collapses and endanger inhabited areas of the island.

The Montserrat Volcano Observatory (MVO) is part of Montserrat's disaster management system and plays an important role in providing early warning to the authorities of a possible eruption of the volcano. Staff at the MVO, however, were not able to make any assessment of the sta-



Before-and-after false-colour satellite radar images of the volcanic dome

bility of the dome this time, due to persistent clouds obscuring the volcano. Aerial surveys or optical satellite imagery could not penetrate the clouds. An additional challenge was to obtain a set of comparable before-after images that would allow the staff to analyse the terrain and determine the extent of change in the volcanic dome.

(see "Satellite Imagery" on page 3)

UN-SPIDER Readies Technical Mission to Burkina Faso

Will Advise Policymakers and Practitioners on the Use of Space-Based Information for Disaster Management

AT THE UNITED Nations Committee on the Peaceful Uses of Outer Space (COPUOS) meeting in Vienna in June



UN-SPIDER preparatory visit to a disaster management office in Ouagadougou, Burkina Faso

2008, the government of Burkina Faso made an official request to UN-SPIDER for a Technical Advisory Mission. The Mission, taking place from 12 to 21 November 2008, will assess Burkina Faso's existing use of space-based information for disaster management, identify potential areas where such information could play a greater role, and propose recommendations on how to improve Burkina Faso's utilization of this information.

The vulnerability of Western African countries such as Burkina Faso to climate and environmental change is likely to increase as demands on resources continue to rise in tandem with rapidly growing populations. The disaster management agencies in the region have to adapt to the increasing number of natural disasters, ranging between the poles of drought and flood. Additional impacts triggered by environ-

(see "Advisory Mission" on page 4)

12000 subscribers





2008 Outreach Activities Carried Out





UNITED NATIONS Office for Outer Space Affairs





Barbados



Fiji





UNITED NATIONS Office for Outer Space Affairs



2009 Activities



UNOOSA United Nations Office for Outer Space Affairs

Home

[What's new](#)
[Office for Outer Space Affairs](#)
[Meetings Calendar](#)
[Committee on the Peaceful Uses of Outer Space](#)
[Programme on Space Applications](#)

UN-SPIDER

[About UN-SPIDER](#)
[Events](#)
[Past Events](#)
[Newsletters](#)
[Contact us](#)

[International Committee on GNSS](#)
[Regional Centres for Space Science and Technology Education](#)
[Space Law](#)
[Register of Space Objects](#)
[Space Activities of States & International Organizations](#)
[Space Activities of the UN System \(UNCOSA\)](#)
[Reports and Publications](#)
[Special Events and Conferences](#)
[Links](#)
[Site Map](#)

Search the site:

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

News from UN-SPIDER ([previous stories](#))

UN-SPIDER Technical Mission and Training in Namibia



12 February 2009. The workshop provided an opportunity for participants to share their experience and knowledge. The workshop was held in Namibia, UN-SPIDER's first field mission. The workshop was a kick-off workshop for the UN-SPIDER Technical Mission and Training in Namibia. The workshop was held in Windhoek, Namibia, from 12 to 14 February 2009. The workshop was organized by UN-SPIDER and the National Institute for Space Research (NSRF) of Namibia. The workshop was a success and provided a good opportunity for participants to share their experience and knowledge. The workshop was held in Windhoek, Namibia, from 12 to 14 February 2009. The workshop was organized by UN-SPIDER and the National Institute for Space Research (NSRF) of Namibia. The workshop was a success and provided a good opportunity for participants to share their experience and knowledge.



UNOOSA United Nations Office for Outer Space Affairs

[Contact Us](#) [Sitemap](#) [Search](#)

Home

[What's new](#)
[Office for Outer Space Affairs](#)
[Meetings Calendar](#)
[Committee on the Peaceful Uses of Outer Space](#)
[Programme on Space Applications](#)

UN-SPIDER

[About UN-SPIDER](#)
[Events](#)
[Past Events](#)
[Newsletters](#)
[Contact us](#)

[International Committee on GNSS](#)
[Regional Centres for Space Science and Technology Education](#)
[Space Law](#)
[Register of Space Objects](#)
[Space Activities of States & International Organizations](#)
[Space Activities of the UN System \(UNCOSA\)](#)
[Reports and Publications](#)
[Special Events and Conferences](#)
[Links](#)
[Site Map](#)

Search the site:

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

Upcoming UN-SPIDER Events (to see recent events, click [here](#))

United Nations International UN-SPIDER Workshop: "Promoting the Use of Space-based Solutions for Disaster Management and Emergency Response", in Vienna, Austria, 2 to 4 June 2009

Third United Nations International UN-SPIDER Bonn Workshop: "From Concepts to Application", in Bonn, Germany, 21 to 23 October 2009

"6th UN-wide Meeting on the Use of Space Technologies for Emergency Response and Humanitarian Assistance", in New York, USA

(second half of 2009)

UN-SPIDER Regional Workshop "Promoting the Use of Space-based Solutions for Disaster Management and Emergency Response in Latin America", Ecuador

(second half of 2009)

UN-SPIDER Regional Workshop "Building Upon Regional Space-based Solutions for Disaster Management and Emergency Response for Africa", Addis Ababa, Ethiopia

(December 2009)

Upcoming Events Supported by UN-SPIDER

3rd Central Asia GIS Conference - GISCA'09, "GIScience for Environmental and Emergency Management in Central Asia" in Bishkek, Kyrgyzstan, 27-28 August 2009

II Escuela de Primavera sobre Soluciones Espaciales para el Manejo de Desastres Naturales y Respuestas de Emergencias (UN-SPIDER/GEOSS Spring School), Argentina

Organized by UN-SPIDER/GEOSS/CONAE/CRECTEALC (October 2009)



2010-2011 Activities – A/AC.105/C.1/2009/CRP.8

Mission Statement: 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.

- **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



UNITED NATIONS Office for Outer Space Affairs



**United Nations Office for Outer Space Affairs
UN-SPIDER**

www.unspider.org

Tel: (+43 1) 26060-4951

THANK-YOU