### **UN-SPIDER**

Space-based Information for Disaster Management and Emergency Response

What information exists?

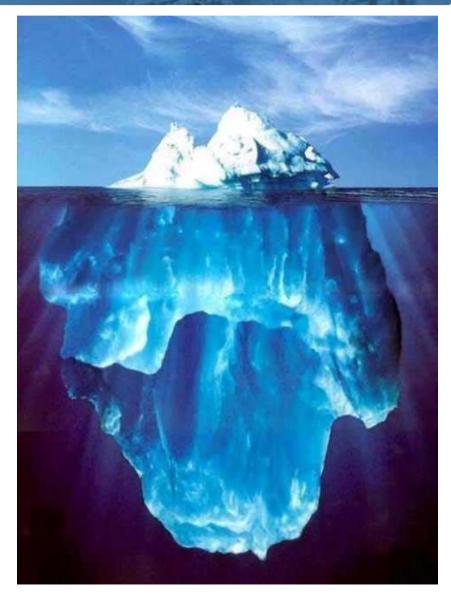
Where can it be found?

How can it be accessed?

How is the quality?

What are the costs?

What is the timeliness?







Need for an information gateway to space-based information for Disaster Management support: the UN-SPIDER Knowledge Portal

# UN-SPIDER Objectives and Tasks (A/AC.105/894)

A Gateway to Space-based Information for Disaster Management Support

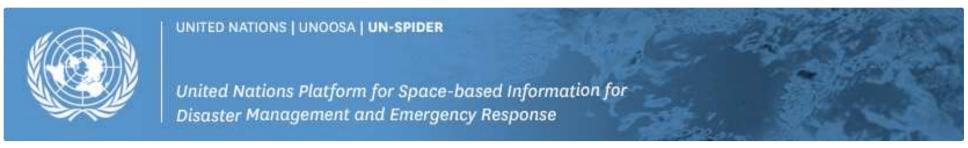
- 1. Compilation of Information
- 2. Access to Information
- 3. Awareness Raising
- 4. Outreach Activities
- 5. Regional and Country Profiles

A **Bridge** to Connect the Disaster Management and Space Communities

- 6. Support to Communities of Practice
- 7. Knowledge Management and Transfer
- 8. Platform for Fostering Alliances

A Facilitator of Capacity Building and Institutional Strengthening

- 9. Support to National Activities
- 10. Support to Establishing National Planning and Policies
- 11. Support to Capacity Building



# The UN-SPIDER Knowledge Portal...

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



How can Space Technology help in a current or recent disaster?
How does it support the disaster management community?

SpaceAid

Current disaster information, SpaceAid Updates, access to imagery and other Space-based information

### **Organisational mechanisms:**

Processes' description, workflow charts (Charter, SpaceAid Framework, ...)

#### Each cell of Matrix:

- general comment (principle of application, technical workflow charts, benefits, restrictions, maps if applicable)
- case studies, best practices
- providers' links

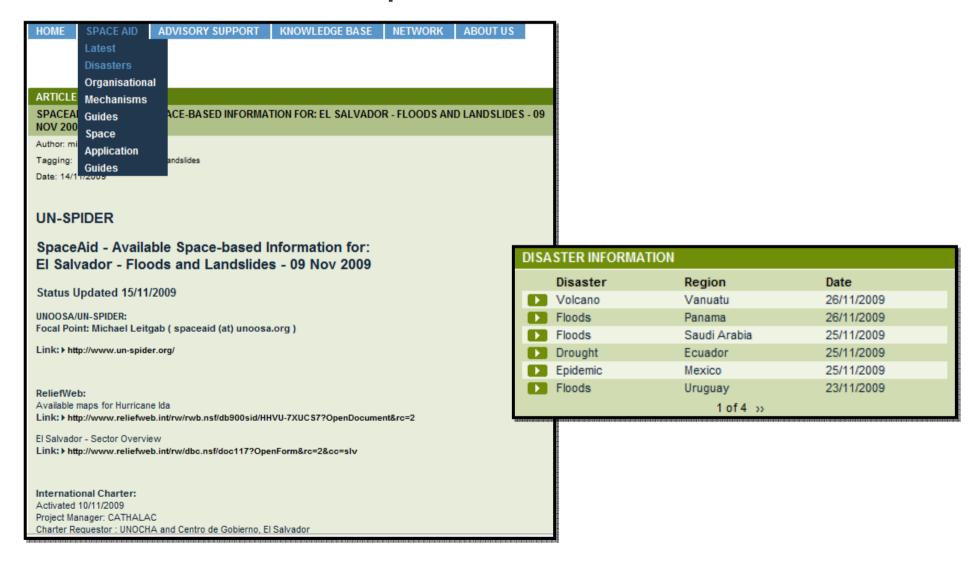
**Latest Disasters** 

Organisational Mechanisms Guides

Space Application Guides (Search Matrix)

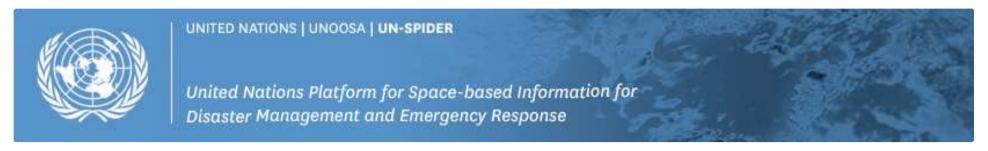


### ...access to information: SpaceAid





What can be done with Space Technology? **Advisory** And how? **Support** • CB Framework **Capacity Building** • E-Learning Modules Training opportunities **Technical Advisory** • TAM Guidelines Missions TAM Reports (approved)



### ...outreach and support to national activities: Technical Advisory Missions





# What are the basics? In-depth information and guides

- Satellite mission profiles
- Mapping workflow
- SatCom devices
- SatNav devices
- Disasters Profiles
- DM cycle overview, DM manuals
- Atlas of Early Warning Systems
- Disaster Medicine overview
- · Epidemics overview
- Organisations / initiatives profiles
- Definitions, abbreviations

**Knowledge Base** 

**Technology Guides** 

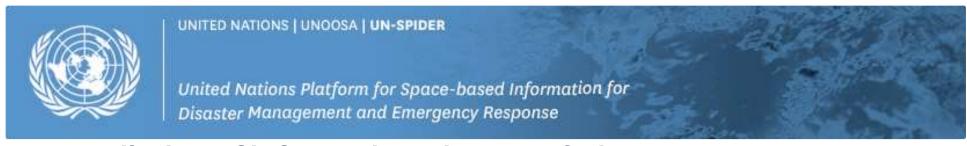
Disaster Management Guides

**Health Support Guides** 

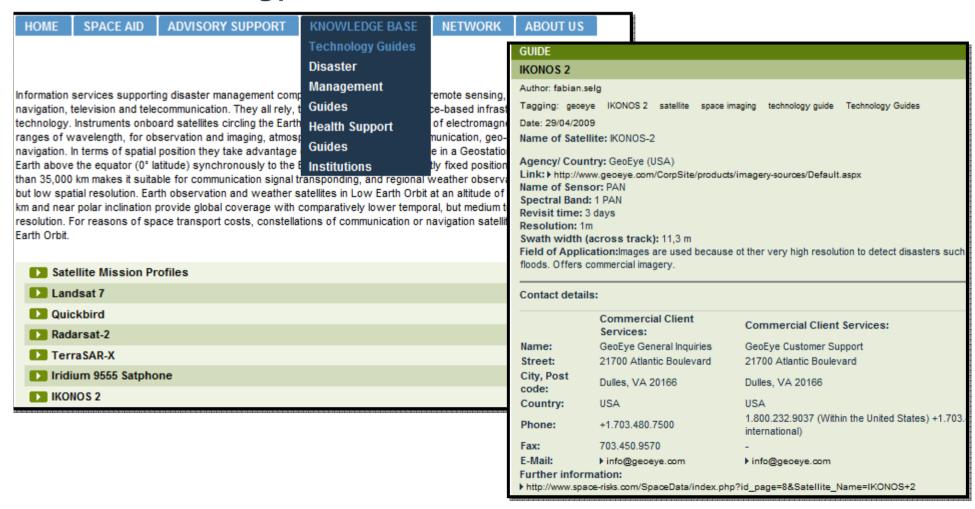
**Institutions** 

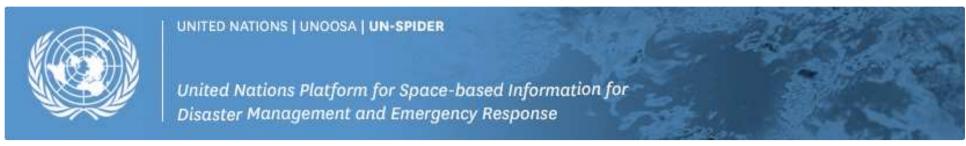
**Glossary** 

**Archive** 



# ...compilation of information: the Knowledge Base •Technology Guides





# ...compilation of information: the Knowledge Base •Disaster Management Guides

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HOME SPACE AID ADVIS	ORY SUPPORT	KNOWLEDGE BASE	NETWO	ORK ABO	OUT US				
		<b>Technology Guides</b>							
		Disaster							
		Management							
GUIDE		Guides							
WILDFIRE		Health Support							
Author: fabian.selg		Guides							
Tagging: bushfire crown fire disastrative guide human induced surface fi	•	Institutions	ent Guides	disaster profile	e fire ground	2 502 502 502 502 502 502 502 502 502 50			
Date: 29/04/2009									
What is a wildfire?  A wildfire is an unplanned, unwanted caused by slash and burn land clearilightning or extreme drought. During of when prevailing winds disperse the	ing, clearing of plantat dry seasons fires usu	tions following logging of ally reach a peak and ca	erations, an	d by natural e	vents such as				
Characteristics/Measurements: There are three different classes of forest, moving slowly and killing or da forest floor. Crown fires spread rapid usually signaled by dense smoke that	amaging trees. A grou dly by wind and move	and fire is usually quickly by jumpin	ME SP	ACE AID	ADVISORY	SUPPORT	KNOWLEDGE E	ASE NETWORK	ABOUT US
Impacts/Causes of injury and damage:  Destruction of vegetated and eventually inhabited areas and construction secological and economical losses.  A major wildland fire can leave a large amount of scorched and barren land conditions for decades. If the wildland destroyed the ground cover, then expressed and other emissions contain pollutants that can cause significantly the long-term effects contain destruction of timber, forage, wildlife habitating the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction of the long-term effects contain reduced access to recreational areas; destruction effects contain re		nd construction si into e is help d and barren land	stablished p		s, operational p			sed information has to t erview information on th	
			Wildfire						
		e, wildlife habitats	Tsunami	i					
and economic resources <sup>5</sup> .	2 200033 10 100104101	· · · · · · · · · · · · · · · · · · ·	Earthqua	ike					
Emergency action:			Cold Wav	/e					
Control Techniques: Bushfires are us with vehicle -mounted equipment (in a									



- The UN-SPIDER network
- Community interaction: comments, questions, chat, input

**Supporting regional networks** 

**Providing contact to national stakeholders** 

#### **Platform for Communities of Practice:**

- Content / document sharing
- Discussion
- Comments

**Facilitating exchange of expertise** 

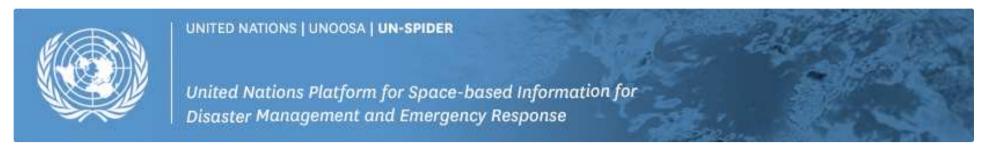
Network & Communication

Regional Support
Offices

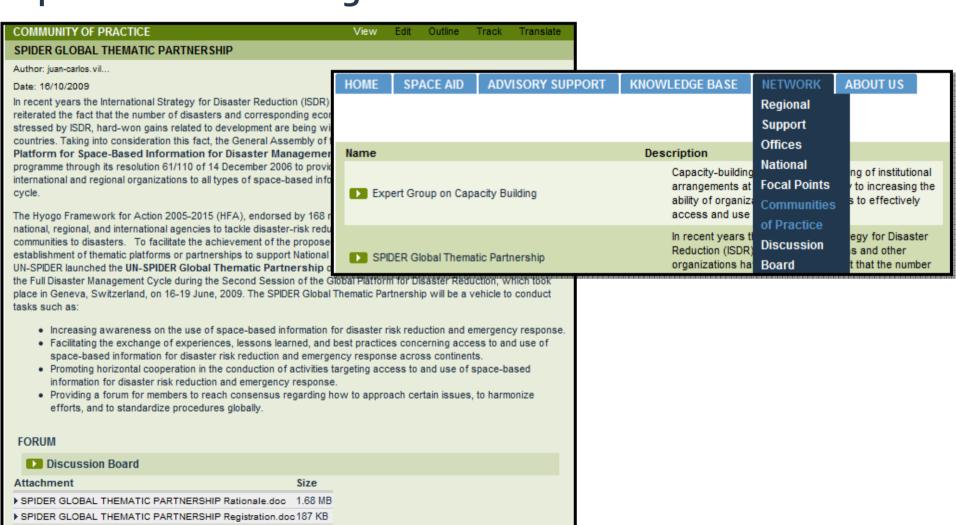
National Focal Points

Communities of Practice

**Discussion Board** 



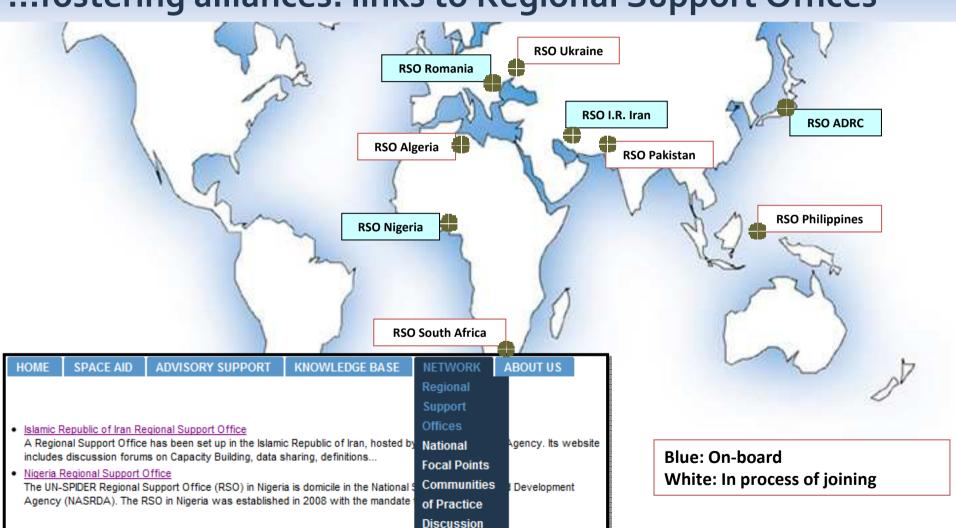
### ...platform for fostering alliances: Communities of Practice



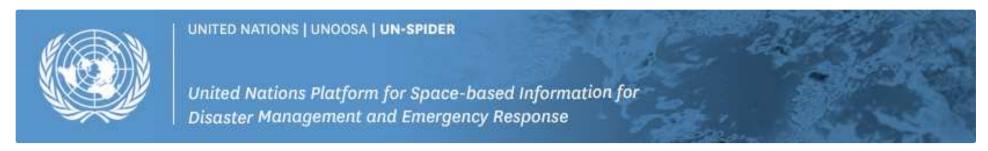
75 reads



...fostering alliances: links to Regional Support Offices



Board

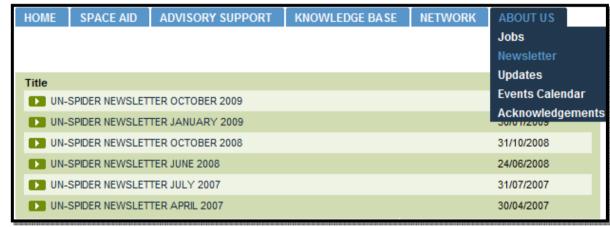


### ...fostering alliances: Contact Data Base





### ...information dissemination: Newsletters...



### **Events Calendar...**

