



UNITED NATIONS
Office for Outer Space Affairs



German
Aerospace Center

Knowledge management strategies to improve access to and use of space-based information as a way to enhance the resilience of nations



Fifth UN-SPIDER Workshop on
Disaster Management and
Space Technology
24 – 26 April 2012



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Disaster Management and Emergency Response*

Topics we have been discussing these 3 days:

Knowledge management in the context of space-based information to enhance the resilience of nations through the use of information.

- Harmonizing the collaboration between portals and gateways as platforms to access space-based data and information to support all phases of the disaster cycle.
- International support to networks and mechanisms.
- Novel IT tools and infrastructure to support disaster-risk management and emergency response.
- The role of e-learning environments and the role of portals in supporting training efforts.



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The role of the UN-SPIDER Knowledge Portal in these efforts

- Serving as a 24/7 gateway to space-based information.
- Hosting content material on activities conducted by UN-SPIDER, its networks and partners.
- Serving as a gateway to portals operated by partners and other institutions.

The screenshot displays the UN-SPIDER Knowledge Portal website. The header features the United Nations logo and the text 'UNITED NATIONS | UNOOSA | UN-SPIDER' and 'United Nations Platform for Space-based Information for Disaster Management and Emergency Response'. A search bar is located in the top right corner. Below the header, a navigation menu includes links for 'HOME', 'SPACE APPLICATION', 'ADVISORY SUPPORT', 'KNOWLEDGE BASE', 'NETWORK', and 'ABOUT US'. A secondary menu highlights 'Capacity Building' (circled in red), 'Technical Support', and 'Technical Advisory Missions'. The main content area is divided into several sections: 'IN FOCUS' with a large banner for 'UN-SPIDER Expert Meeting on Crowdsourcing Mapping' and smaller news items; 'UN-SPIDER-WORLD' with a world map showing global events; 'NEWS AND UPDATES' with a list of recent news items; 'SPACE APPLICATION MATRIX' with a circular diagram and text describing its purpose; and 'NETWORK' with logos of various partner organizations.



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Complementary efforts carried out by UN-SPIDER related to Knowledge Management

- Elaboration of publications (booklets, News Letters, Updates, Reports).
- Provision of Technical Advisory Support.
- Facilitating the conduction of training activities and hosting material for such training activities in the Knowledge Portal.
- Conducting outreach activities to bridge the space community, the disaster-risk management and the emergency response communities.



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Benefitting from the support of experts:

- Core Group of Experts supporting the implementation of the Knowledge Portal.
- UN-SPIDER Expert Group on Capacity Building.
- Experts like you from key institutions who attend our workshops and provide us with valuable comments and suggestions.



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Key issues raised during the presentations and the discussions

End users:

Decision makers, professional staff in institutions, networks, general public.

Content in the portal:

From UN-SPIDER driven to user driven.

New trends:

Social media, geo-portals, novel applications.

The private sector and open software:

Innovative solutions to support disaster risk management and emergency response.



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Key challenges faced by UN-SPIDER

End users:

Multiple languages in all regions supported by UN-SPIDER.

Content in the portal:

Data?

Hazard , Vulnerability Maps? And if so, issues of scale and national/regional/local autonomy.

News from the communities?

New trends:

Which types of social media and best suited to achieve the mission of UN-SPIDER?

The private sector:

Finding the proper way to interact with the private sector ensuring transparency



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Next steps foreseen

Elaborating the Roadmap:

Using inputs from the discussion sessions during the workshop.

Using one-to-one discussions with representatives from the space community, from the disaster-risk management and emergency response communities

Using online surveys to gather feedback from the visitor to the portal

Implementation:

Incorporating suggested changes in structure and content material.

Implementing a monitoring and evaluation effort.



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Thanks for your attention

