

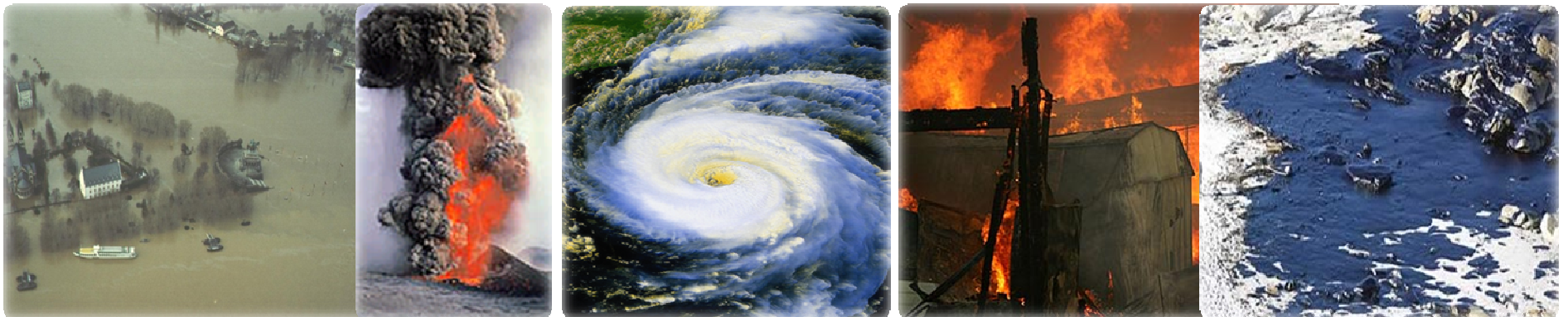


**UNITED NATIONS**  
**Office for Outer Space Affairs**



# **UN-SPIDER**

**Facilitating the use of space-based  
information through Capacity  
Building.**

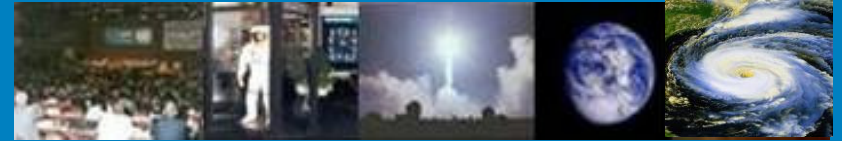




# **UN-SPIDER**

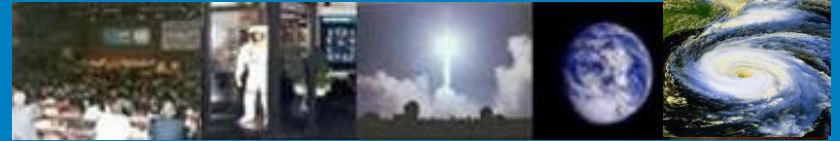
## **Mission Statement**

“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”



To fulfil this mission, **UN-SPIDER** has been established on three pillars:

<b>As a Bridge</b>	to foster alliances between the space and the disaster management communities.
<b>As a Gateway</b>	to promote the access to and the dissemination of information, including case histories and best practices.
<b>As a Facilitator</b>	of <b>Capacity Building</b> to increase the ability of organizations and individuals to effectively use space-based services for disaster risk management, preparedness, response, and recovery.



# Capacity Building

**The Capacity-Building Strategy can be stated as follows:**

To increase the capacity of **Networks of practitioners from the disaster management and space communities** to use horizontal cooperation and vertical coordination as a means **to access and to use all types of space-based information** to support the full disaster management cycle.



## Four conditions to possess the capacity to access and use space-based information :

Space-based data is available and accessible.

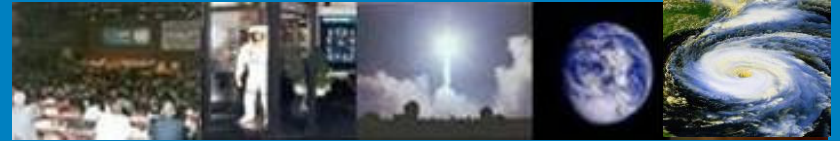
Institutions recognize the relevance of using space-based information to make decisions.

Staff in institutions possess the knowledge and the skills to access and process this information.

Facilities, hardware and software to acquire, process, and use this information are available and operational.

And, we need to consider the full disaster management cycle





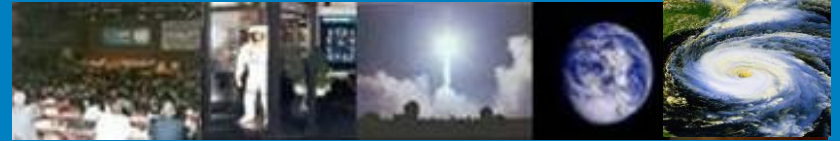
## **Capacity building in the framework of UN-SPIDER is suggested as:**

The process to facilitate the strengthening of the capacity of individuals and institutions related to the use of space-based information **to prevent, to mitigate, and to react** effectively to the challenges posed by natural hazards and humanitarian crises.

## **Capacity building would then include four types of activities:**

- **Providing policy-relevant advice to institutions and governments regarding the use of space-based (spatial) information to support the full disaster management cycle.**
- **Facilitating training of individuals on access to and use of such data.**
- **Facilitating access to infrastructure, hardware, and software, and services for space-based applications.**





## Training, in the context of UN-SPIDER, may be defined as:

A process to facilitate the **sharing of knowledge and skills** with the overall objective to continuously improve the capacity of individuals related to the use of space-based information **to prevent, to mitigate, and to react** effectively to the challenges posed by natural hazards and humanitarian crises.

(UN-SPIDER Salzburg Expert Meeting).



## **Basic Guidelines:**

- **Recognize existing capacities in developing countries.**
- **Build the Capacity Building segment with the support of an Expert Group on.**
- **Conduct capacity-building activities through RCSSTE and, Centres of Excellence and other national or regional training centres.**
- **Coordinate efforts with the network of RSOs and with the network of NFPs**
- **Coordinate efforts with the International Strategy for Disaster Reduction (ISDR), and with UN and other international agencies.**
- **Use a blended-learning approach based on e-learning and traditional training/learning approaches.**
- **Take advantage of training activities worldwide conducted by a variety of national, regional, and international agencies, through the set-up and dissemination of a database of training opportunities.**





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	<b>Definition</b>	<b>Organisation &amp; Frequency</b>	<b>Targeted Participants</b>
<b>Training Course</b>	<b>Provide in-depth training on a technical subject</b>	Training institution Recurring, 3days to 3 weeks	Technical staff Max. 30
<b>Summer School</b>	<b>Professional and/or academic training for a small group with different backgrounds</b>	RSO, NFP, Partner... Tbd, 1 or 2 weeks	Participants with different backgrounds Max. 40
<b>Seminar</b>	<b>Small group for intense discussion on a topic.</b>	by UN-SPIDER when needed duration flexible	Experts, usually similar group for a series of seminars Max. 25
<b>Workshop - Exercise</b>	<b>Small group for intense discussion on a topic.</b>	UN-SPIDER with partners	Technical staff from different backgrounds in selected cases, Max. 30



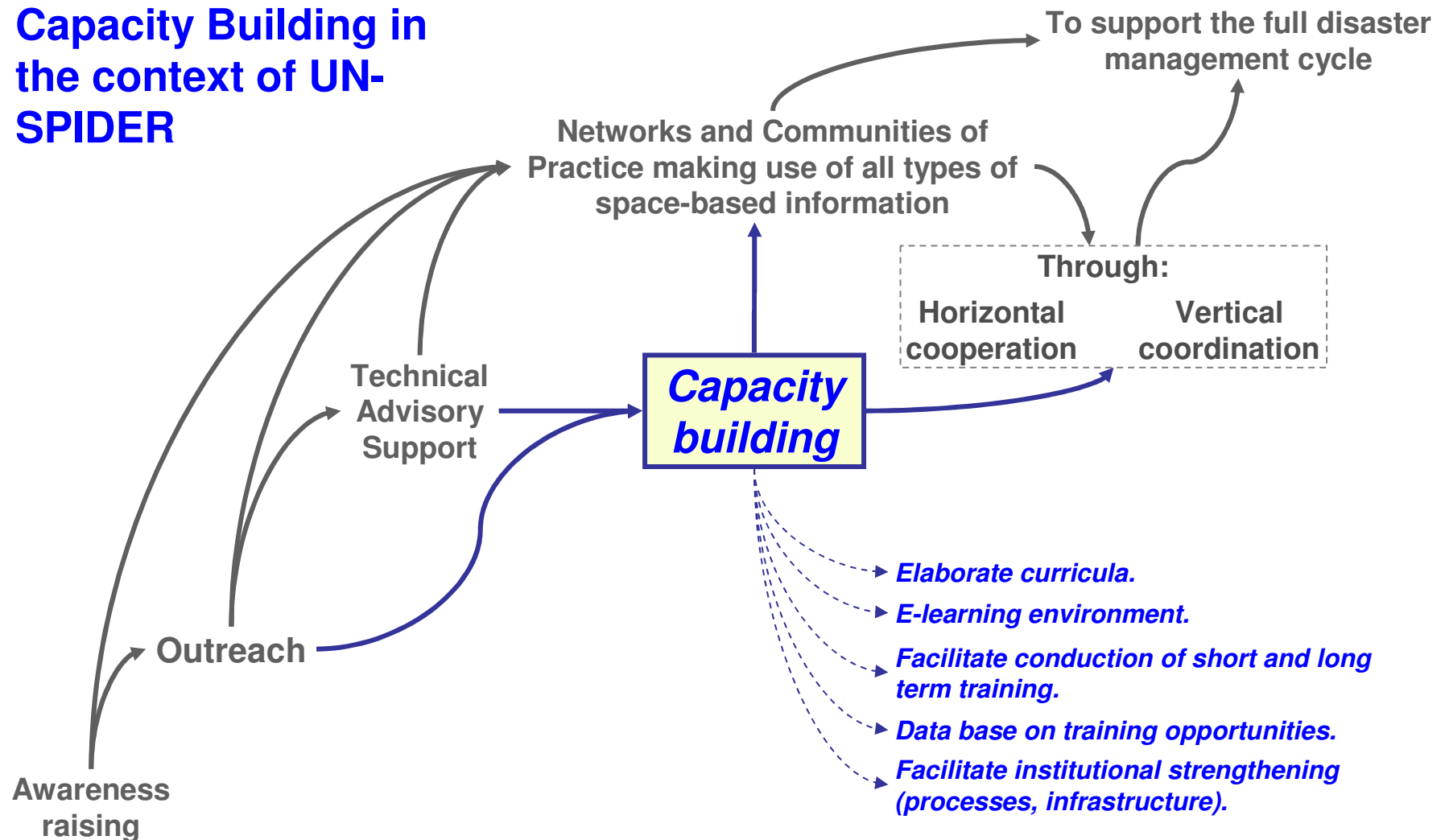
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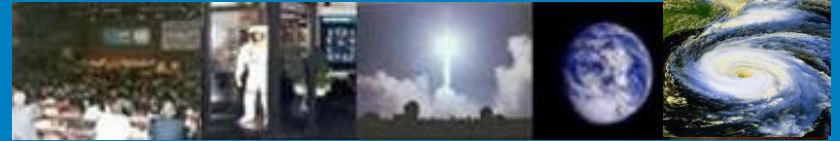


Approach	Target	Range		
		Short	Medium	Long
Disaster-risk reduction	Individuals Institutions Infrastructure UN-SPIDER	Strengthening knowledge / skills Institutional strengthening	Strengthening knowledge / skills Institutional strengthening Enhancing capacities of communities of practice	Institutional strengthening Facilitating horizontal cooperation
Emergency response	Individuals Institutions Infrastructure UN-SPIDER			



## Capacity Building in the context of UN- SPIDER





## **Activities in 2009:**

- Capacity Building Strategy and Annual Plan of Action elaborated.
- Support training activity in Argentina organized by CRECTEALC & CONAE.
- Database of training opportunities in excel elaborated.
- Expert Group established during Vienna Workshop.

## **In addition:**

Z-GIS is elaborating a concept for an e-spider programme.



## **2010: Foreseen**

- Annual Plan of Action elaborated.
- Support Spring School in Argentina organized by CRECTEALC & CONAE.
- Maintain the database of training opportunities.
- Elaborate the curricula with support of the Expert Group.
- Begin the elaboration of elements of the E-learning environment in the Knowledge Portal.



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**Thanks for your attention**