



# UN-SPIDER

# Capacity-building

## What does UN-SPIDER do?

UN-SPIDER ensures that all countries and international and regional organizations have access to and develop the capacity to use all types of space-based information to support the full disaster management cycle. UN-SPIDER is achieving this by being a gateway to space information for disaster management support; serving as a bridge to interlink the disaster management and space communities; and being a facilitator of capacity-building and institutional strengthening.

## What is capacity-building?

Capacity-building refers to the process of facilitating the strengthening of the competency of individuals, teams, and agencies to use space-based information to prevent, mitigate, and respond effectively to the challenges posed by natural hazards and related humanitarian crises.

## Why does UN-SPIDER support capacity-building?

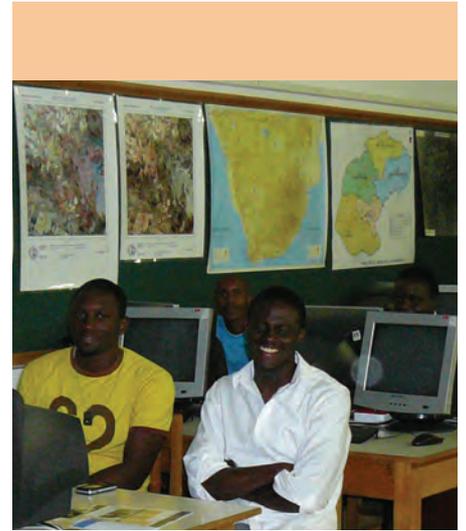
The objective of the capacity-building efforts of UN-SPIDER is to ensure that countries recognize the value of all types of space-based information, and therefore access it to reduce the impacts of disasters and to respond more efficiently in case of such disasters through improved use of this type of information.

## How does UN-SPIDER support capacity-building?

To increase capacities regarding the use of space-based information for disaster-risk management and emergency response at the national level, UN-SPIDER pursues three lines of action:

- **Institutions:** UN-SPIDER will promote the adoption of policies which ensure that operating procedures within institutions incorporate the use of space-based information, and that they support activities targeting all phases of the disaster management cycle.
- **Individuals:** UN-SPIDER facilitates access to training programs conducted by Centers of Excellence and specialized training centers to enhance the knowledge and skills of staff working in institutions which conduct activities targeting all phases of the disaster management cycle.
- **Infrastructure:** UN-SPIDER facilitates access to infrastructure (hardware, software, related equipment) to ensure the capacity to access and make use of space-based information.

The respective activities are conducted in a systematic fashion to ensure that capacities within agencies are strengthened. This is coordinated with the network of Regional Support



Offices and the National Focal Points. Curricula are being elaborated targeting both disaster-risk management and emergency response in order to design training courses to be conducted through the Regional Centres for Space Science and Technology Education affiliated to the United Nations, Centres of Excellence, UN training centres linked to UN-SPIDER, and other national or regional training centres where remote sensing and earth observation applications are taught. Complementary efforts are being made to establish an e-learning environment as a means to build a repository of learning material, and information is being compiled to provide a database of training opportunities.

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