



## SPIDER Global Thematic Partnership

### Third Session of the Global Platform for Disaster Reduction; Geneva, Switzerland

#### *Side Event organized by the SPIDER Global Thematic Partnership "Integrated Use of Space Technologies for Disaster-Risk Reduction"*

*Thursday 12 May, 13:30 – 14:30, Room 5*

**Co-Organizers:** UNOOSA / UN-SPIDER  
 German Aerospace Center, DLR  
 Asian Disaster Reduction Center, ADRC, Japan  
 International Society of Photogrammetry and Remote Sensing, ISPRS  
 Environmental Systems Research Institute, Inc., Esri

#### *General Information*

Space-based applications are frequently used in emergency response during disasters to monitor the state of the environment, the impacts of climate change; and for global navigation and telecommunications worldwide. This session organized by UN-SPIDER, DLR, ADRC, Esri, and ISPRS will showcase examples of space applications in the context of disaster-risk reduction, adaptation to climate change, and recovery. It is conducted to promote cooperation between the space and the disaster-risk reduction communities. The session aims to demonstrate that **Investing today in the use of space-based information will lead to a safer tomorrow.**

In the context of the Hyogo Framework, space-based applications find their way in two Key Priorities for Action:

- **Key Priority for Action 2** which targets monitoring of risks and enhancing early warning. In this context space-based applications contribute to the assessment of risks of various types, to detect changes in vulnerability and exposition, and in early warning systems.
- **Key Priority for Action 5** which focuses on strengthening disaster preparedness for effective response at all levels. In this case space-based applications include satellite telecommunications particularly when all conventional communication networks fail, tracking the exposition of vulnerable communities as a way to improve warning schemes and to assist in the identification of evacuation routes to safe areas.

The SPIDER Global Thematic Partnership was launched in 2009 with the German Aerospace Centre DLR, ADRC, GEO, and ESCAP during the 2<sup>nd</sup> Session of the Global Platform for Disaster Reduction. Since then efforts have been conducted by partners in various continents of the world to discuss how to engage space-based applications in disaster-risk reduction activities worldwide through such a Partnership. Expected outcomes related to this side event include:

- The identification of strategies to guide efforts of the SPIDER Global Thematic Partnership as a way to support the use of space-based information by National Platforms for Disaster Reduction.
- Enhanced awareness on the usefulness of space-based applications in disaster-risk reduction and adaptation to climate change.
- Improved links between representatives of the space community and the disaster-risk management community.

