

Earth observation to support the Sendai Framework for Disaster Risk Reduction 2015–2030

Most relevant topics and challenges:

Topic / Challenge	Description	Potential follow up activities
<i>Information Systems to Integrate remote sensing, early warning systems and modeling</i>	All pieces are available but must be put together in a useful way	Put together using information systems technologies to achieve the goals. These systems would use different user's requirements and provide information in a way that is understandable by each user.
<i>Science</i>	The underlying phenomena	Physics of the underlying phenomena to be continuously improved, including the dynamics and use of observations
<i>Communication</i>	Need to better communicate with different users	Improve presentation to different users. Decision makers require better presentation of the Science and quantification to close the gap. Include different communication strategies for general public, for responders, and others.
<i>Data</i>	Increase the availability of data	Sensor Calibration and Inter-sensor calibration to allow continuously monitoring with different sensors. Make data acquisition a priority by countries.
<i>Coordination</i>		Improve engagement, including of Academia and National organizations by drawing plans, laws. Support the update of existing Civil Protection agencies.
<i>Capacity Building</i>		All actors must be trained, including decision makers

- Information systems: remote sensing, early warning systems and modeling are available now, but they must be put together using information systems technologies to achieve the goals. These systems would use different user's requirements and provide information in a way that is understandable by each user.
- Science: Physics of the underlying phenomena to be continuously improved, including the dynamics and use of observations.
- Communication: Improve presentation to different users. Decision makers require better presentation of the Science and quantification to close the gap. Include different communication strategies for general public, for responders, and others.
- Data: Sensor Calibration and Inter-sensor calibration to allow continuously monitoring with different sensors. Make data acquisition a priority by countries.
- Coordination: Improve engagement, including of Academia and National organizations by drawing plans, laws. Support the update of existing Civil Protection agencies.
- Capacity Building: All actors must be trained, including decision makers