UNISDR Science and Technology Conference
on the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030

Launching UNISDR Science and Technology Partnership
and The Science and Technology Road Map to 2030

To promote and support the availability and application of science and technology to decision-making in Disaster Risk Reduction

27-29 January 2016
Geneva International Conference Centre

Draft programme outline

Day 1-27 January 2016:
(Morning session): Opening and Introduction by the Special Representative of the Secretary-General for Disaster Risk Reduction (UNISDR) to highlight the goal and objectives of the conference, the Sendai Framework and process to its implementation and the role of science and technology for disaster risk reduction and in the implementation of Sendai Framework.

High Level Panel: Introduction of the UNISDR Science and Technology Road Map for the implementation of the Sendai framework for Disaster Risk Reduction 2015-2030.
- Science and Technology commitments contributing to the implementation of the Sendai Framework, made at the World Conference (March 2015) and during the drafting of the Science and Technology Road Map
- Sharing the draft Science and Technology Road Map to identify user needs and science requirements, and to promote and support the availability and application of science and technology to decision-making in Disaster Risk Reduction
- Discussion

Day 1-27 January 2016 (afternoon) - plenary and breakout working groups, supported by poster session

Work stream 1: Scientific and Technical Partnership to support the implementation of the Sendai Framework
Methods of work and role of partners to 'Enhance the scientific and technical work on disaster risk reduction and its mobilization through the coordination of existing networks and scientific research institutions at all levels and all regions'
- Plenary Panel by existing national and local, regional and global science and technology networks and/or functional national platforms and the wider users of science and technology
- Group work to summarise aims, objectives and outputs that support the implementation of the Sendai Framework and describe communication and dissemination.
- Plenary Report back and plenary discussion of outputs from all three groups

Expected results:
- Discussion of working modalities for UNISDR Science and Technology Partnership to support the implementation of the Sendai Framework.
- Identify the needs of the users of science
- Identification of gaps and inputs to the UNISDR Science and Technology Road Map to support the implementation of the Sendai Framework.
- Identify measure of success

Day 2-28 January 2016: (morning) – plenary and breakout working groups, supported by poster session

Work stream 2: Understanding disaster risk, risk assessment and early warning

- Plenary meeting to introduce this work stream/scene setting for scientific advice to policy makers on:
  - Developing data, models, and tools for hazard and risk assessment
  - Identifying data gaps and information needs
  - Applying warning and risk assessment information for DRR decision making
- Plenary Report back and plenary discussion of outputs from all three groups

Expected results:
- Share information, knowledge and tools to understand multi-hazard identification, monitoring system, risk identification and early warning systems.
- Identify changes needed to optimise the impact of science
- Identification of gaps and inputs to the UNISDR Science and Technology Roadmap to support the implementation of the Sendai Framework (priority action 1).
- Identify measure of success

Day 2: 28 January 2016 (afternoon) plenary and breakout working groups, supported by poster session

Work stream 3: Use of science, technology and innovation tools, methods and standards to support the implementation and reporting of Sendai Framework

- Plenary Panel shall introduce the work stream/scene setting: The speakers shall present the status of developments of Sendai, SDGs and UNFCCC indicators and monitoring frameworks and the coherence between these global agreements. They will also broadly highlight main gaps and challenges concerning the underlying indicators and monitoring.
- Group work on standards, protocols and practices for data collection and reporting, gaps and challenges in knowledge, availability and access to data and use of innovations to improve monitoring and reporting of Sendai Framework.
- Plenary Report back and plenary discussion of outputs from all three groups and identification of Key findings and recommendation for UNISDR Science and Technology Roadmap.

Expected results:
- Sharing knowledge and experience on standards, protocols, capability and good practices for data collection and reporting.
- Sharing needs and opportunities for Generating, Synthesising and Sharing Data and Knowledge in support to implementation and reporting of Sendai Framework
- Sharing innovations to improve implementation and reporting of Sendai Framework.
- Identification of Key findings and recommendation for UNISDR Science and Technology Roadmap

Day 3- 29 January 2016: (morning) plenary and breakout working groups, supported by poster session

Work stream 4: Leveraging science through capacity development and research
- Plenary meeting to introduce this work stream/scene setting
  - Using examples for demonstrating good practice in leveraging science through capacity development and research
  - Update on International cooperation and partnership for DRR research and capacity development.
  - Partners involved in research for DRR will be invited to present their programmes and findings.
  - Partners involved in capacity development for DRR will be invited to present their results and plans for the coming years.
  - Discussion on how to support research and capacity development programmes at all levels.
- Group work on leveraging science, capacity development and research gaps.
- Plenary Report back and plenary discussion of outputs from all three groups

Expected results:
- How to leverage science for the Sendai Framework
- Identification of gaps in current knowledge and research.
- Discussion on how to contribute to build capacities in countries with low or limited research capacities.
- Build further case studies to apply science and technology in DRR/M that could be used to interact between science community and policy makers
- Research and capacity development agendas defined for the S&T road map in support to the implementation of the Sendai Framework.
- Identify measure of success

Day 3: 29 January 2016 (afternoon)

High Level Panel: The Science and Technology Road Map for the Implementation of the Sendai Framework
- Report back from each work stream's input to the Science and Technology Road Map for the implementation of the Sendai Framework.
- Science and technology contributions to implement the Sendai Framework by selected representative from the States, National, Regional and Global users, scientific networks and stakeholders and the UN system.
- Agreement on the UNISDR Science and Technology Road Map
- Discussion

Final discussions and expected outcomes:
- Expression of voluntary commitments for science and technology for the implementation of the Sendai Framework.
- Agreement on the principles and priorities of the UNISDR Science and Technology Road Map for the work of the UNISDR science and technology Partnership and its advisory group (STAG).

Closing ceremony:
- Highlight the results of the conference (summary)
- Agreed conclusions and next steps