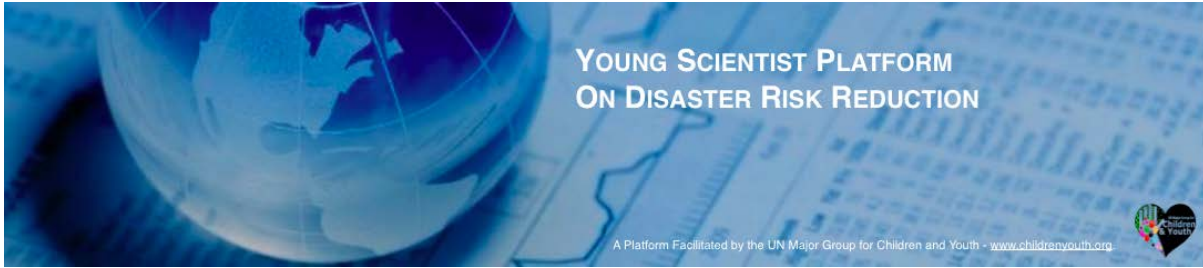


Young Scientists Roadmap for Implementation of Sendai Framework for Disaster Risk Reduction 2015-2030





Young Scientists Roadmap¹
for implementation of Sendai Framework for Disaster Risk Reduction
2015-2030
Young Scientists Platform on DRR of the UN MGCY Youth Science-
Policy Interface Platform

Below is the *Young Scientists Roadmap for implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030*². This is developed by the UN MGCY **Young Scientists Platform on DRR** (referred as platform). A majority of the activities described will directly be implemented by initiatives hosted by the platform or also to be implemented by the platforms members. The platform is part of the UN MGCY’s **Youth Science-Policy Interface Platform**, which strengthens youth policy priorities and practice in sustainable development by equipping them with tools to drive science-based, empirically-informed, context-specific, fit for purpose and fruitful change through science, technology and innovation. The platform also work together with the UN MGCY External **Working Group for Disaster Risk Reduction**. For more information contact drspi@childrenyouth.org , drdop@childrenyouth.org and spiteam@childrenyouth.org. The Concept Note for the platform can be found [Here](#) and the form to join the platform can be found [Here](#)

Main Objective 1
Establish and maintain a Young Scientists in DRR Platform

1.a Mobilise and increase awareness amongst young scientists in DRR to interdisciplinary and intergenerational collaboration in applying their existing and ongoing scientific research for evidence-based implementation, monitoring and follow up and review of the Sendai Framework, and encourage diverse regional representation

Actions	Deliverables
1.a.1; Host workshops distributing information about the platform, during events and within universities;	- Number of workshops - Number of participants disseminated in gender, age and regional representation.
1.a.2; Online outreach to academia and institutes;	- Number of organisation / institute outreach disseminated per region; - Number of persons becoming an active member as a result of the outreach.

¹ The young scientist roadmap has been developed based on the priority for actions in UNISDR S&T roadmap see the **annex** for more details

² We encouraged the inclusion of all actors in DRR including children and youth, women, and persons with disabilities



1.a.3; Plan and host side events on DRR science-policy interface and best practice, during relevant conferences / events, when possible also co-hosted with other platform partners;	- Number of sessions held; - Number of participants segregated by gender, age, and countries of origins and interests -Number of research initiated and collaborated by the young scientists which discuss particular issues on science-policy interface in DRR
1.a.4; Produce and distribute one pager instruction on how you best plan research and disseminate results to meet the policy gaps;	- Production of the guide; - Occasions the guide have been distributed -Numbers of guidelines distributed -Number of replies and communications received
1.a.5; Collect young scientists research initiatives which contribute to the implementation of the Young Scientists Roadmap on Disaster Risk Reduction, and showcase these in relevant platforms;	- Number of research collected -Number of research showcased -Number of collaborations that taken place among the young scientists
1.a.6; Provide mentorship for young scientists on DRR and experts and facilitate collaboration with experts including early career and senior scientist	-Number of experts involved -Number of collaborations between young scientists and experts -Number of young scientists as main research principal and first author

1.b: Facilitate DRR knowledge transfer among young scientists in DRR;

Actions	Deliverables
1.b.2; Coordinate awareness on DRR science and actions by young scientists in social media;	- Number of posts made in social media; - Number of receivers, likes and shares of posts. -Disaggregation of who posts and responds by gender, age, place of origins
1.b.3; Coordinate learning opportunities and knowledge exchange online for young scientists, coordinated by young scientists.	-Number of webinars; -Number of topics covered. -Number of attendance
1.b.4; Website with function for young researchers to share their DRR scientific news;	- Number of website with information about the platform and engaging its members. -Statistics on the traffics of the websites
1.b.5; Create thematic teams of young scientists and co-ordinate thematic activities / actions	- Number of active teams created; - Number of active members per team.

1.c: Facilitate an interprofessional global dialogue among young scientists in DRR on evidence-based good and best practices and emerging trends in DRR;

Actions	Deliverables
1.c.2; Coordinate the platforms and young scientists input to the Global Sustainable Development Report (and equivalent reports) on best practice and emerging trends;	- Number of DRR related submissions from young people.

1.c.3; Contribute to peer review of the Global Sustainable Development Report and equivalent reports including DRR best practice and emerging trends;	TBA (pending opportunity)
---	---------------------------

1.d: Facilitate dialogue among young DRR scientists, students and policy makers on identification of gaps of knowledge in DRR, recommendations on good practices and emerging trends to the review of the Sendai Framework implementation

Actions	Deliverables
1.d.1; Invite young scientists of the platform to participate in activities of the UN MGCY DRR and Youth SPI Platform, as well as members of the other two initiatives to contribute to the platform;	- Number of occasions information and opportunities shared with the platforms members.
1.d.2; Contribute and participate in the facilitated joint contribution of young scientists, policy makers and community actors in the Sendai Framework review during the High Level Political Forum, Forum on Science, Technology and Innovation and UNISDR Regional Platforms;	- Number of occasions of active participation of platform members in the expressed and similar meetings / forums; - Number of written inputs of the platform to the expressed meetings / forums.

1.e: Facilitate youth-led monitoring, evaluation and reporting on the Sendai Framework;

Actions	Deliverables
1.e.1; Identify youth-led initiatives on Sendai Framework implementation;	- Number of initiatives mapped and regional dissemination.
1.e.2; Promoting the collaboration between young scientist and youth-led organization in joint effort for monitoring, evaluation, and reporting on the Sendai Framework.	- Number of joint activities between the platform and the DRR WG members; - Number of occasions the platform report to the DRR WG meetings and the DRR WG report to the platform meetings.

1.f: Provide a repository for showcasing of young scientists contribution on DRR knowledge development, analytical works, and good practices documentation, as well as other SDG-related indicators;

Actions	Deliverables
1.f.1; Disaggregation of research news from young scientists or targeting younger generation within the Preventionweb;	- Number of articles / news posted by the UN MGCY in the Preventionweb; - Establishment of age dissemination of authors in the preventionweb.

1.g: Support the development of new research agendas tailored to complement the implementation, monitoring and review of the Sendai Framework for postgraduate research, and where possible, in collaboration with universities, research organisations, NGOs and the private sector

Actions	Deliverables
1.g.1; Identify the gaps of DRR science in implementation of Sendai Framework;	- Number of reports from the platform sharing gaps of DRR science in implementation of Sendai Framework.
1.g.2; Develop a short guide on gaps within DRR science to meet the needs of Sendai Framework implementation and monitoring, and disseminate this amongst young scientists and others from the academic field;	- Number of reports produced; - Numbers of receivers of the report.

Main Objective 2

Establish an interprofessional and intergenerational partnership between UN MGCY and science-technology-innovation actors focusing on the implementation, monitoring and review of the Sendai Framework.

2.a: Facilitate membership of the UN MGCY Young Scientist Platform on DRR partnership with the UNISDR Scientific and Technology Partnership for the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030 and representation to the UNISDR Science and Technology Advisory Group;

Actions	Deliverables
2.a.1; Participation and contribution to the activities of the UNISDR Scientific and Technology Partnership for the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030 and the UNISDR Science and Technology Advisory Group.	- Number of annual activities in the UNISDR Science and Technology Roadmap the platform contribute to.

2.b: Engagement in existing DRR science and science-policy interface structures within the UN system to contribute establishing good practices and emerging trends in the Sendai Framework implementation, monitoring and review

2.b.1; Contribute to the UN MGCY contribution to the Technical Facilitation Mechanism and the overall work coordinated by the UN MGCY Science Policy Interface Platform

Actions	Deliverables
2.b.1; Contribute to the UN MGCY contribution to the Technical Facilitation Mechanism and the overall work coordinated by the UN MGCY Science Policy Interface Platform.	TBA

Reference

[1] Sendai framework for disaster risk reduction 2015–2030. In: UN world conference on disaster risk reduction, 2015 March 14–18, Sendai, Japan. Geneva: United Nations Office for Disaster Risk Reduction; 2015. Retrieved from http://www.unisdr.org/files/43291_sendaiframeworkfordrren.pdf .

[2] UNISDR science and technology road map for the UNISDR science & technology partnership supporting the implementation of Sendai Framework for DRR 2015-2030. Retrieved from http://www.preventionweb.net/files/45270_unisdrscienceandtechnologyroadmap.pdf

Annex:

The young scientists roadmap generally reflects all the aspects in UNISDR Science and Technology Roadmap. However, below are the most significant elements reflected on the young scientists roadmap.

The Science and Technology Roadmap for the Implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030		
Sendai Framework Priority Action 1: Understanding Disaster Risk		
Expected Outcomes	Actions	Deliverables
1.2 Synthesize, produce and disseminate scientific evidence in a timely and accessible manner that responds to the knowledge needs of policy-makers and practitioners.	<ul style="list-style-type: none"> ● Promote real-time and near real-time access to reliable data and use of information and communications technology. ● Integrate traditional, indigenous and local knowledge and practices in disaster risk reduction. ● Promote intergenerational partnership between scientists, policy makers, private sectors and community leaders. ● Develop partnerships between science and technology community and the disaster risk management institutes and agencies. ● Promote scientific focus on disaster risk factors and scenarios, including emerging disaster risks and public health threats. ● Develop expertise and 	<ul style="list-style-type: none"> ● National and regional knowledge centres and hubs for disaster risk management established/and mapped. Methodologies for knowledge hubs linked. ● Good practises and case studies on use of indigenous, traditional and local knowledge practices documented and disseminated. ● Evidence of partnerships between science and technology community and disaster risk management institutes and agencies. ● Studies conducted on gaps in disaster risk reduction evidence and knowledge. ● National Statistical Offices roles and responsibilities identified and



	personnel to use the statistics to develop policies for disaster risk reduction.	supported.
--	--	------------

1.3 Ensure that scientific data and information support are used in monitoring and reviewing progress towards disaster risk reduction and resilience building.	<ul style="list-style-type: none"> ● Develop and monitor a set of indicators, including a gender marker, to measure progress of use science and technology in disaster risk reduction. ● Promote the development and use of standards and protocols, such as certifications, for national and regional levels. ● Adopt a multi-hazard approach that integrate lessons learned, including from transboundary and biological and technological hazards. ● Incorporate gender equality and integration in science and technology for disaster risk reduction partnerships. ● Promote coherence with disaster risk reduction and post-2015 agenda (in particular SDGs and climate change) in data collection and indicators to assist in monitoring and evaluation - so that they do not create additional reporting burden for countries. 	<ul style="list-style-type: none"> ● Indicators and terminology for use by the science and technology community in disaster risk reduction developed. ● Data is gender-differentiated in disaster and climate risks. ● Best practices for a multi-hazards approach developed and disseminated. ● Challenges for women role in the science and technology and in disaster risk reduction identified and addressed in partnerships. ● Tools (indicators and data collection) developed for monitoring and evaluation of disaster risk reduction that are mutually reinforced with post-2015 agenda (in particular SDGs and climate change).
--	---	--

<p>1.4 Build capacity to ensure that all sectors and countries have access to, understand and can use scientific information for better informed decision-making</p>	<ul style="list-style-type: none"> ● Promote coherence with disaster risk reduction and post-2015 agenda (in particular SDGs and climate change) in data collection and indicators to assist in monitoring and evaluation - so that they do not create additional reporting burden for countries. 	<p>monitoring and evaluation of disaster risk reduction that are mutually reinforced with post-2015 agenda (in particular SDGs and climate change).</p>
	<ul style="list-style-type: none"> ● Promote research on insurance and social protection and safety nets for developing countries. ● Promote integrated and multi-disciplinary research that bridges social and natural sciences and uses both quantitative and qualitative data. ● Involve the users of science in the earliest stages of research and technology. ● Mobilize the research community to ensure design, implementation and improvement of risk reduction plans with the identification of metrics and methodologies. Standardize the monitoring of implementation. ● Integrate risk assessments into disaster risk 	<ul style="list-style-type: none"> ● A mechanism to provide technical advice (e.g. help desks, knowledge centres and hubs) on disaster risk management. ● Dialogues with communities and citizen groups and the use of scenarios that make science sensible to decision-makers and the general public. ● Measure to build capacity development in knowledge management, innovation and learning, research and technology initiated. ● Training and capacity building of science and technology in disaster risk reduction undertaken.

	<p>management across sectors.</p> <ul style="list-style-type: none"> ● Promote inclusiveness, interdisciplinary, and inter-generational participatory approaches. Engage young scientists in applying science for disaster risk reduction. 	<ul style="list-style-type: none"> ● Guidance developed on integrated and multi-disciplinary research that bridges social and natural sciences, and supportive publishing practices enhanced. ● User-friendly web-based interactive platforms used for science and technology capacity building and training. ● Design and implement a young scientists forum at the Global Platform (including possible establishment of a Young Scientist award or scholarship).
--	---	---

Young Scientists Roadmap for Implementation of Sendai Framework 2015-2030

