

Concept Note

[Sendai Framework for Disaster Risk Reduction 2015-2030]

The goal of the Sendai Framework is to prevent new and reduce existing disaster risk, increase preparedness for response and recovery, and thus strengthen resilience.

The Sendai Framework is structured around 4 priorities for action:

Priority 1: Understanding disaster risk.

Priority 2: Strengthening disaster risk governance to manage disaster risk.

Priority 3: Investing in disaster risk reduction for resilience.

Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction.

Whilst Governments have the primary responsibility for the implementation of the Sendai Framework, the Framework calls for an all-of-society engagement and partnership. In particular, it recognizes the critical role the science and technology community must play to encourage risk-informed public and private informed investment based on scientific evidence and use of technology, and promote enhanced cooperation between science entities and private sector to develop new products and services to help reduce the risks. Specifically, the Sendai Framework asks the science and technology community to focus “on the disaster risk factors and scenarios, including emerging disaster risks, in the medium and long term; increase research for regional, national and local application; support action by local communities and authorities; and support the interface between policy and science for decision-making” (36 (b)).

[The 2016 UNISDR International Science and Technology Conference]

To discuss how the science and technology community can best support the implementation of the Sendai Framework, the UNISDR Science and Technology Conference, held in Geneva in January 2016, brought together the full diversity of the science and technology community, policy makers, practitioners and researchers from all geographical regions, at local, national, regional and international levels. The conference launched the UNISDR Science and Technology Partnership to build collaboration between major institutions, research centres and academia working on the different disciplines in developing and applying science and technology to reduce disaster risk. It also adopted the Science and Technology Road Map, which presents expected outcomes and proposes key areas of actions under each of the four priority of actions outlined in the Sendai Framework that the UNISDR Science and Technology Partnership will undertake to fulfill in order to achieve the goal of Sendai Framework. It also highlights systems for monitoring progress and reviewing needs.

[DRR Indicators and Terminology]

Over the course of 2015/2016, the Open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction (OIEWG)

developed a set of 38 indicators to measure global progress in the implementation of the Sendai Framework for Disaster Risk Reduction, and revised the 2009 Terminology for Disaster Risk Reduction. The OEIWG concluded its work in November 2016, with recommendations submitted for endorsement to the United Nations General Assembly. On 17 January 2017, the UN GA endorsed both the indicators and terminology by Resolution A/71/L.54. Based on the global set of indicators, countries are now working on the development of nationally determined targets and indicators to facilitate their monitoring and reporting.

In March 2017, five global Sendai indicators were adopted by Member States in the 48th Session of the United Nations Statistical Commission (SC), for use in measuring disaster-related two goals and nine targets of the 2030 Agenda for Sustainable Development; thereby allowing the simultaneous and coherent monitoring and reporting on the Sendai Framework and the SDGs. In addition, work is underway to ensure linkages between the indicator systems of the Paris Climate Agreement and the Sendai Framework.

Supporting countries in the development of relevant risk metrics to measure progress against the Sendai indicators, the SDGs, the Paris Agreement will require close collaboration between Governments and stakeholders.

[Concrete Actions for the way forward]

Building on the achievements outlined above, the science and technology community needs to urgently take actions to advance the work of the science and technology in 2017 and beyond. In order to facilitate discussions and pursue steady implementation of the four priorities for action of the Sendai Framework, concrete action, the United Nations Office for Disaster Reduction (UNISDR), the International Council for Science (ICSU), Integrated Research on Disaster Risk (IRDR) and the Science Council of Japan (SCJ) will co-organize a Global Forum on Science and Technology for Disaster Resilience 2017, to be held in Tokyo on 23–25 November 2017.

The Forum aim to promote all stakeholders to develop plans for the following two **outputs** through working together in interdisciplinary and trans-disciplinary way:

- 1) Guidelines for Strengthening DRR National Platforms and coordination mechanisms through enhanced contribution of Science and Technology,
- 2) Periodic Synthesis Reports on the state of Science and Technology for Reducing Disaster Risk.

[Guidelines for Strengthening DRR National Platforms and coordination]

As highlighted in Priority 2 of the Sendai Framework, strengthened disaster risk governance at national, regional, and global levels is a basic strategy to achieve effective disaster risk reduction and build resilience. The Sendai Framework calls for establishment and strengthening of multi-stakeholder, multi-sectoral and multi-hazard government coordination forums at all levels, in particular national and local platforms. The active engagement of science and technology entities in these platforms is thereby critical for the provision of the relevant scientific and technological knowledge for the

development and effective implementation of evidence-based policies, strategies and plans by 2020 as requested in Target E of the Sendai Framework. Furthermore, UN agencies, international development organizations, international scientific and technological initiatives should develop a system to provide support for DRR national platforms and coordination mechanisms. To accelerate efforts for strengthening national platforms, the Forum suggests the development of guidelines for promoting science and technology contributions to DRR national platforms and enhance the interface of science and decision making authorities.

[Periodic Synthesis Reports on the state of Science and Technology for Reducing Disaster Risk]

To promote the use of science in DRR policy-making and enhanced coordination among scientific and technological research activities at national, regional and global levels, synthesis of scientific evidence should be produced in a timely, accessible and policy-relevant manner. This should include comprehensive knowledge and information on the state of science and technology related to the identification of disaster risks, the assessment of the socio-economic impact of disasters, and existing tools and methodologies for the substantial reduction of human and economic losses. The information should be presented in a clear, easy-to-understand way for the application by policy-makers and other decision-makers worldwide. The Forum therefore suggests the development of integrated synthesis reports through the coordination of international scientific and technological research initiatives. Reports should be published periodically (i.e., mid-term and final reports during the period of the Sendai Framework) and by thematic areas of work under the Sendai Framework priorities of action. Collaboration should be strengthened not only among disaster risk reduction community but also with other areas closely related to disaster risk reduction, such as those concerning climate change mitigation and adaptation measures and the achievement of the sustainable development goals.

[Planning Strategy]

Increasing disaster resilience and sustainable development involves many stakeholders. To develop science contribution to DRR national platform guidelines and synthesis reports, we need to maximize the use of existing knowledge and create new types of science and technology that serve broad and collective societal needs. Building this new approach requires interdisciplinary research, collaboration, and cooperation among all disciplines of natural sciences including physical, chemical, and earth and related environmental sciences and biological sciences; engineering and technology; medical and health sciences, social and political sciences; and the humanities. Transdisciplinary collaboration and excellent communication between scientists, practitioners, and policy-makers are essential.

Further strengthening the ties between the science and technology community and the private sector for the development and use of facilities, products and financial mechanisms related to disaster risk reduction will further enhance availability and use of scientific knowledge and technology. Stronger cooperation between the science and technology community and the private sector will be pursued at the following areas:

disseminating of risk knowledge better understanding of risks by articulating specific risk factors; promotion of public-private partnership for investment in DRR; and monitoring progress of risk-sensitive investment.

Objectives:

To pursue steady implementation of the four priorities for action of the Sendai Framework, the Forum aim to promote all stakeholders to develop plans for the following two **outputs** through working together in interdisciplinary and transdisciplinary way:

- 1) Guidelines for Strengthening DRR National Platforms and coordination mechanisms through enhanced contribution of Science and Technology
- 2) Periodic Synthesis Reports on the state of Science and Technology for Reducing Disaster Risk

Agenda

Day 1 (Thursday, 23rd November 2017)

8:30 - 9:30 Registration

9:30 - 10:30 Opening Ceremony

Opening Remarks

- Dr. Robert Glasser, Special Representative of the UN Secretary-General for Disaster Risk Reduction and Head of the United Nations Office for Disaster Risk Reduction (UNISDR)
- Dr. Tedros Adhanom Ghebreyesus, Director-General, World Health Organization (WHO) -*video message*-
- Prof. Shuaib Lwasa, Chair / Science Committee, Integrated Research on Disaster Risk (IRDR)
- Prof. Toshio Koike, Director / International Centre for Water Hazard and Risk Management (ICHARM), Public Works Research Institute (PWRI)

Keynote Speech

- Prof. Gordon McBean, President / International Council for Science (ICSU)

Forum Design and Goal

Prof. Toshio Koike, Director / International Centre for Water Hazard and Risk Management (ICHARM), Public Works Research Institute (PWRI)

10:30 - 10:40 Break

10:40 - 12:00 Plenary Discussion 1

Priority Action 1

Co-Chairs:

- Mr. Craig McLean, Assistant Administrator / NOAA - Oceanic and Atmospheric Research
- Prof. Irasema Alcántara-Ayala, Professor / Institute of Geography, National Autonomous University of Mexico (UNAM)
- Prof. Kenji Satake, Professor / Earthquake Research Institute, the University of Tokyo

Panelists:

- Dr. Anthony Richard Oliver-Smith, Independent scholar and consultant

Ms. Kyoko Kondo, Executive Director / Asian Disaster Reduction Center

- Prof. Peng Cui, Professor / Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
- Prof. R. B. Singh, Professor / University of Delhi

Prof. Wen-Chi Lai, Deputy Director / Disaster Prevention Research Center, National Chengkung University

Prof. John Handmer, Professor / School of Science, RMIT University

Discussants:

Dr. Jose Antonio Marengo, Senior Scientist / CEMADEN

Prof. Djillali Benouar, Professor / University of Sciences & Technology Houari Boumediene (USTHB)

Dr. Sebastian Sippel, Researcher / Future Earth Extreme events and environments – from climate to society (E3S)

12:00 - 13:30 Working Lunch 1

Science & Technology – Enterprise Cooperation 1

Moderator: Mr. Hiro Nishiguchi, Japan Innovation Network

Poster Presentation

Short Panel Discussion

13:30 - 14:50 Plenary Discussion 2

Priority Action 2

Co-Chairs:

Ms. Antonia Yulo Loyzaga, Chairperson, International Advisory Board / Manila Observatory

Prof. Kenichi Tsukahara, Professor / Kyushu University

Dr. Virginia Jimenez Diaz, Professor – Consultant / Universidad Central de Venezuela - La Red – IRDR

Panelists:

Prof. Gretchen Kalonji, Dean, Institute for Disaster Management and Reconstruction / Sichuan University

Mr. Karma Dupchu, Chief Hydrology Officer / National Center for Hydrology and Meteorology (NHCM), Royal Government of Bhutan

Dr. Oscar A. Gomez, Research Fellow / JICA Research Institute

Mr. Sanny Ramos Jegillos, Senior Advisor / United Nations Development Programme

Ms. Setsuko Saya, Director of International Cooperation Division, Disaster Management
Bureau / Cabinet Office of Japan

Discussants:

Prof. Patrícia Iglecias, Professor and Lawyer / University of São Paulo

Dr. Royol Chitradon, Advisor / Hydro and Agro Informatics Institute

Prof. Takashi Onishi, President / Toyohashi University of Technology

14:50 - 15:00 Break

15:00 - 16:20 Plenary Discussion 3

Priority Action 3

Co-Chairs:

Prof. Jakob Rhyner, Vice Rector in Europe / United Nations University

Dr. Kawasaki Akiyuki, Associate Professor / The University of Tokyo

Panelists:

Prof. Kimio Takeya, Distinguished Technical Advisor to the President /
JICA, Japan International Cooperation Agency

Dr. Frank Thomalla, SEI Associate / Stockholm Environment Institute (SEI)

Prof. Wadid Fawzy Erian Rezk Mansour, Senior Advisor Sustainable Development /
The League of Arab States

Prof. Walter Jakob Ammann, President / Global Risk Forum GRF Davos

Discussants:

Mr. Hiro Nishiguchi, Japan Innovation Network

Dr. Alistair Seddon, Associate Professor, University of Bergen

Prof. Taiki Saito, Professor / Toyohashi Institute of Technology

16:20 - 16:30 Break

16:30 - 17:50 Plenary Discussion 4

Priority Action 4

Co-Chairs:

Ms. Irina Rafliana, International Center for Interdisciplinary and Advanced Research,
Indonesian Institute of Sciences (ICIAR LIPI)

Prof. Keiko Tamura, Specially Appointed Associate Professor / Risk Management Office,
Headquarters for Risk Management, Niigata University

Prof. Kovacs Paul, Executive Director / Institute for Catastrophic Loss Reduction

Panelists:

Prof. Ana Maria Cruz Naranjo, Professor / Disaster Prevention Research Institute, Kyoto
University

Ms. Anoja Seneviratne, Director / Disaster Management Centre

Prof. Mitsumasa Midorikawa, President / National Research and Development Agency,
Building Research Institute

Dr. Munenari Inoguchi, Assistant Professor / Shizuoka University

Prof. Peijun Shi, Professor / Beijing Normal University

Discussants:

Dr. Adriana Ediht Niz, The Geological Risk of Hidric and Eolic Origin in the Region of the
Sierras Pampeanas Noroccidentales of Catamarca / Institute of Monitoring and Control
of Geo-Environmental Degradation IMCoDeG)-School of Technology and Applied
Sciences - National University of Catamarca- Argentina

Mr. Dennis Tuhairwe Bataringaya, Sociologist and Chairman / Nsumbi United Community
Development Association

Prof. Mark Pelling, Professor of Geography / King's College London

17:50

Adjourn

Day 2 (Friday, 24th November 2017)

8:30 - 9:00 Registration

9:00 - 10:20 Working Discussion 1 breakout

Priority Action 1

Co-Chairs: same members of Plenary Discussion

Panelists:

Prof. Pao-Kuan Wang, Distinguished Research Fellow and Director / Research Center for Environmental Changes, Academia Sinica

Dr. Elisabeth Krausmann, Principal Scientist / European Commission, Joint Research Centre

Dr. Kyoji Sassa, Executive Director / The International Consortium on Landslides (ICL)

Prof. Shinichi Matsushima, Professor / Disaster Prevention Research Institute, Kyoto University

Mr. Xu Tang, Director / Weather and DRR Services Department World Meteorological Organization (WMO)

Discussants:

Dr. Manzoor Ahmad Malik, Director / Pakistan Council of Research in Water Resources

Dr. Xuebin Zhang, Research Scientist / Climate Change Detection and Analysis

Priority Action 2

Co-Chairs: same members of Plenary Discussion

Panelists:

Prof. Akira Wada, Professor Emeritus / Tokyo Institute of Technology

Ms. Juliette Marin, Project Leader and Expert / Transdisciplinary Research Program on Risks and Disasters of the University of Chile (CITRID)

Prof. Suwen Chen, Deputy Head of Department of Building Engineering, Tongji University

Prof. Tadanori Inomata, Professor and Strategic Advisor / Nagasaki University Center for International Collaborative Research

Discussants:

Prof. Eiichi Nakakita, Professor / Disaster Prevention Research Institute Kyoto University

Mr. Ildebrando Corder Bernadas, Department Head - Deem Officer for Tacloban city / Local government unit, Tacloban city

Priority Action 3

Co-Chairs: same members of Plenary Discussion

Panelists:

Dr. Mario Hernandez, Data Task Force Co-Chair / Future Earth Engagement Committee member

Prof. Mohsen Ghafory-Ashtiany, Professor of Earthquake Engineering and Risk Management Associate Member of Academy of Science of Iran, and International Institute of Earthquake Engineering and Seismology

Mr. Yusuke Amano, Director / International Cooperation and Engineering for Infrastructure Ministry of Land, Infrastructure, Transport and Tourism, Japan

Discussant:

Prof. Shinichi Egawa, MD, PhD, FACS / IRIDeS, Tohoku University Dr. Khamarrul Azahari Razak, Senior Lecturer and Research Manager / Universiti Teknologi Malaysia

Dr. Shohei Matsuura, JICA Expert and Visiting Associate Professor / Malaysia-Japan International Institute of Technology (MJIT), UTM

Priority Action 4

Co-Chairs: same members of Plenary Discussion

Panelists:

Dr. Amod Mani Dixit, Executive Director / National Society for Earthquake Technology Nepal (NSET)

Prof. Shigenobu Tanaka, Professor / Disaster Prevention Research Institute (DPRI), Kyoto University

Prof. Kimiro Meguro, Professor / IIS, The University of Tokyo

Prof. Virginia Suzette Gauvain Murray, Public Health Consultant in Global Disaster Risk Reduction / Public Health England

Dr. Ryoma Kayano, Technical Officer, WHO Centre for Health Development

Discussants:

Prof. Norio Maki, Professor / DPRI, Kyoto University

Ms. Sachiko Nakamura, Seconded / Public Health England

Dr. Netra Prakash Bhandary, Associate Professor / Faculty of Collaborative Regional Innovation / Ehime University

10:20 - 10:40 Break

10:40 - 12:00 Plenary Discussion 5

Interdisciplinary

Co-chairs:

Dr. Ailsa Jane Holloway, Director, RADAR / Stellenbosch University

Prof. Kaoru Takara, Dean / Graduate School of Advanced Integrated Studies in Human
Survivability, Kyoto University

Mr. Qunli Han, Executive Director / Integrated Research on Disaster Risk (IRDR)

Panelists:

Prof. Andrew Elvin Collins, Professor of Disaster and Development / Northumbria
University, Disaster and Development Network (DDN)

Mr. Hambani Masheleni, Senior Policy Officer / African Union Commission

Prof. James Terry, Professor / "ICSU Regional Office for Asia and the Pacific: Steering
Group on Natural Hazards and Disaster Risk"

Prof. Masako Yoneda, Professor Dr. Env., Keio University / Council Member of Science
Council of Japan

Prof. Shuaib Lwasa, Chair / Science Committee, Integrated Research on Disaster Risk
(IRDR)

Discussants:

Ms. Annisa Triyanti, Focal Point-Science-Policy Interface Platform on Disaster Risk
Reduction / UN Major Group for Children & Youth

Prof. Masafumi Goto, Professor and Director DPPC, MJIIT / University Teknologi Malaysia

Prof. Najla Bouden Romdhane, Professor and Director General / Ecole Nationale
D'ingenieurs De Tunis

12:00 - 13:00 Working Lunch 2

National Platform Poster Presentation

13:00 - 14:20 Plenary Discussion 6

National Platform

Co-Chairs:

- Dr. Helene Jacot Des Combes, Senior Lecturer / The University of the South Pacific

- Dr. Satoru Nishikawa, Executive Director of Research / Japan Center for Area Development Research (JCADR)
- Mr. Sugeng Triutomo, Vice Chairman / Disaster Study Center, Indonesia Defense University

Panelists:

- Ms. Amani Abdelmamdouh Ali Mohamed, Head of Environmental Assessment Department, National focal point for disaster risk reduction previously / Ministry of Environment, Natural Resources and physical Development

Mr. Falak Nawaz, Chief Executive Officer / Network of Disaster Management Practitioners (NDMP).

Dr. Miho Ohara, Senior Researcher / International Centre for Water Hazard and Risk Management (ICHARM)

Ms. Sayanaa Lkhagvasuren, Adviser to Deputy Prime Minister of Mongolia / Government of Mongolia

Dr. Wanigavitharana Asiri Karunawardena, Director General / National Building Research Organization

Discussants:

Ms. Shoko Arakaki, Chief, Partnerships, Inter-governmental process and Inter-agency cooperation Branch / UNISDR

Ms. Nanette Dela Cruz Lomarda, Senior Scientific Officer / WMO

14:20 - 14:40 Break

14:40 - 16:00 Plenary Discussion 7

Synthesis

Co-Chairs:

- Mr. Brian Doherty, Workpackage Leader / EC Joint Research Centre
- Dr. Haruo Hayashi, Professor / National Research Institute for Earth Science and Disaster Resilience
- Prof. Rajib Shaw, Professor / Graduate School of Media and Governance, Keio University

Panelists:

Prof. Alik Ismail-Zadeh, Secretary-General / International Union of Geodesy and

Geophysics (IUGG)

Dr. Brendan Barrett, Program manager / RMIT University

Dr. Fumiko Kasuga, Senior Fellow / National Institute for Environmental Studies

Dr. Lauren Alexander Augustine, Director / Risk and Resilience Program National
Academy of Sciences

Dr. Wei-Sen Li, Secretary General / National Science and Technology Center for Disaster
Reduction

Mr. Brian Doherty, Workpackage Leader / EC Joint Research Centre

Discussants:

Prof. Charles Scawthorn, Professor / Univ. Calif. at Berkeley

Dr. Rodrigo Rudge Ramos Ribeiro, PosDoc / São Paulo State University

Mr. Aslam Perwaiz, Deputy Executive Director, Asian Disaster Preparedness Center

16:00 - 16:20 Break

16:20 - 17:40 Working Discussion 2 breakout

Priority Action 1

Co-Chairs: same members of Plenary Discussion

Panelists:

Dr. Thorsten Kiefer, Global Hub Director / Future Earth

Prof. Fumihiko Imamura, Director /International Research Institute of Disaster Science

Prof. Shigeko Haruyama, Professor / Mie University

Discussants:

Dr. Franz W Gatzweiler, Executive Programme Director / Institute of Urban
Environment, Chinese Academy of Sciences

Prof. Hancheng Dai, Assistant Professor / Peking University, Future Earth MAIRS

Prof. Gordon Almon McBean, President / International Council for Science

Priority Action 2

Co-Chairs: same members of Plenary Discussion

Panelists:

Dr. Adnan Saker El Khasawneh, Testing laboratories Director / Royal Scientific Society

Dr. Barbara Elaine Carby, Director / University of the West Indies Disaster Risk Reduction
Centre

Prof. Kuniyoshi Takeuchi, Professor Emeritus / University of Yamanashi

Prof. Linsheng Gu, Deputy Director / Experts Committee of Sichuan Provincial Commission
for Disaster Reduction, China

Dr. Sigrún Karlsdóttir, Dir. of Natural Hazards / Icelandic Meteorological Office

Discussants:

Dr. Fadi Hamdan, Co-Founder / Disaster Risk Management Centre (DRMC)

Mr. Yoshio Tokunaga, Chief Researcher / ICHARM

Priority Action 3

Co-Chairs: same members of Plenary Discussion

Panelists:

Dr. Jana Sillmann, Research Director / Center for International Climate Research Oslo
(CICERO)

Mr. Victor Manuel García Lemus, President / University Network of Latin America and the
Caribbean for disaster risk reduction

Prof. Hirokazu Tatano, Professor and Secretary-General / Disaster Prevention Research
Institute (DPRI), Kyoto University, Global Alliance of Disaster Research Institutes
(GADRI)

Prof. Soonchang Yoon, Vice President for External Relations / The Korean Academy of
Science and Technology (KAST)

Discussants:

Prof. Teruhiko Yoda, Emeritus Professor / Waseda University

Mr. Miguel Angel Trejo Rangel, Collaborator / Water Youth Network

Mr. Toshiyuki Kurino, Chief / Space-based Observing System Division, Space Programme
Office World Meteorological Organization

Priority Action 4

Co-Chairs: same members of Plenary Discussion

Panelists:

Mr. Manuel Orlando Quinteros Aguilar, Minister Ministry of Public Works /
Transportation and Housing and Urban Development

Dr. Kit Miyamoto, CEO California Seismic Safety Commissioner / Miyamoto International

Ms. Setsuko Saya, Director of International Cooperation Division, Disaster Management
Bureau / Cabinet Office of Japan

Dr. Harald Kempf, Commissioner for civil protection / Deutscher Wetterdienst (German National Meteorological Service)

Ms. Si-Yu Yu, Science Officer / IRDR ICoE -- Taipei

Discussants:

Mr. Rajesh Sharma, Programme Specialist (Global) Disaster Risk Information & Application / United Nations Development Programme (UNDP)

Prof. Aiko Yamamoto, Professor / University of Hyogo Research Institute of Nursing Care for People & Community

17:40 Adjourn

Day 3 (Saturday, 25th November 2017)

8:30 - 9:00 Registration

9:00 - 10:20 Working Discussion 3 breakout: Summary Discussion

Priority Action 1

Priority Action 2

Priority Action 3

Priority Action 4

10:20 - 10:40 Break

10:40 - 12:00 Plenary Discussion 8

Chair:

Prof. Toshio Koike, Director / International Centre for Water Hazard and Risk Management (ICHARM), Public Works Research Institute (PWRI)

- **Priority Action 1-4** by Co-chair
- **Plenary Discussion 5-7** by Co-chair
- **Working Lunch 1&3** by moderator
- **IAP Statement** by Prof. Shigeko Haruyama, Graduate School & Faculty of Bio resources, Mie University
- **Drafts of Policy Brief and Tokyo Statement 2017** by Chair

12:00 - 13:30 Working Lunch 3

Science & Technology – Enterprise Cooperation 2

Moderator: Prof. Rajib Shaw, Professor / Graduate School of Media and Governance, Keio University

Poster Presentation

Short Panel Discussion

13:30 – 15:15 High-Level Panel

Moderator:

- Prof. Takashi Onishi, Former President, Science Council of Japan

Keynote Speeches:

- Dr. Robert Glasser, Special Representative of the UN Secretary-General for Disaster Risk Reduction
- Dr. Han Seung-Soo, the Special Envoy of the UN Secretary-General on Disaster Risk Reduction and Water; Former Prime Minister of the Republic of Korea and Chair of the High-level Experts and Leaders Panel on Water and Disasters (HELP)

Panelists:

- Prof. Gordon McBean President International Council for Science (ICSU)
- Prof. Shuaib Lwasa, Chair / Science Committee, Integrated Research on Disaster Risk (IRDR)
- Ms. Flavia Schlegel, Assistant Director General, UNESCO
- Dr. Wenjian Zhang, Assistant Secretary General, World Meteorological Organization (WMO)
- Mr. Rolf Alter, Director, Public Governance and Territorial Development, OECD
- Mr. Steven Ramage, Senior External Relations Manager, Group on Earth Observation (GEO)
- Mr. Kimio Takeya, The Distinguished Adviser to the President, Japan International Cooperation Agency (JICA)

15:15 - 16:10 Break and Video

16:10 - 16:40 Closing Session

Tokyo Statement 2017

Closing Remarks

Group Photo

17:10 - 18:40 Reception Museum