

**International Conference on Science and Technology for Sustainability 2023
Programme**

Theme:	Transforming Society to Become Resilient and Sustainable beyond Catastrophic Disasters
Organizer:	Science Council of Japan(International Conference on Science and Technology for Sustainability 2023 Sub-Committee)
Co-Organizers:	Japan Hub of Disaster Resilience Partner (JHoP), National Research Institute for Earth Science and Disaster Resilience (NIED)
Endorsement:	Disaster Management Bureau, Cabinet Office
Time & Date:	10:00 – 16:40 (JST) September 7, 2023/ 9:30 – 17:05 (JST) September 8, 2023
Conference Style:	Hybrid (Onsite: Auditorium of Science Council of Japan, Online: ZOOM Webinar & YouTube) ※Public Viewer can access only YouTube

Day 1: September 7, 2023

Opening Ceremony: 10:00-11:15

Moderator: KAWASAKI Akiyuki (Professor, Institute for Future Initiatives, the University of Tokyo, Associate Member, Science Council of Japan)

10:00-10:05	Opening Remarks	KAJITA Takaaki (President, Science Council of Japan)
10:05-10:10	Guest Speech	GOTO Shigeyuki (Minister of State for Economic and Fiscal Policy)
10:10-10:15	Guest Speech	TANI Kouichi (Minister of State for Disaster Management and Ocean Policy)
10:15-10:20	Ceremonial Address	KOMATSU Hiroko (President, Japanese Red Cross Kyushu International College of Nursing, Council Member, Science Council of Japan)
10:20-10:25	Ceremonial Address	KURIYAMA Shinichi (Director, International Research Institute of Disaster Science (IRIDeS), Tohoku University)
10:25-10:30	Ceremonial Address	NAKAKITA Eiichi (Director, Disaster Prevention Research Institute, Kyoto University Deputy Executive Director, Kyoto University)
10:30-10:35	Introduction	KOIKE Toshio (Executive Director, International Centre for Water Hazard and Risk Management , Professor Emeritus, the University of Tokyo, Council Member, Science Council of Japan)
10:35-11:05	Keynote Speech	HAYASHI Haruo (Professor Emeritus, Kyoto University, Associate Member, Science Council of Japan)
11:05-11:15	Tokyo Statement 2023	TATANO Hirokazu (Professor, Disaster Prevention Research Institute(DPRI), Kyoto University, Associate Member, Science Council of Japan)

Break: 11:15-11:30

Theme 1: Experiences of Catastrophic Disasters and Transformation

Theme Coordinator : TAKARA Kaoru (President of National Research Institute for Earth Science and Disaster Resilience (NIED), Associate Member, Science Council of Japan)

Session1-1: The Great Kanto Earthquake and Recovery 11:30-12:40

11:30-11:50	Speech	TAKEMURA Masayuki (Visiting professor, Disaster Mitigation Research Center at Nagoya University) Characteristics of the 1923 Great Kanto Earthquake and Lessons Learned
11:50-12:05	Speech	KITAHARA Itoko (Visiting scholar, Institute of Disaster Mitigation for Urban Cultural Heritage, Ritsumeikan University) Disaster Records of the Great Kanto Earthquake - International Outreach -
12:05-12:20	Speech	MURAKAMI Takeo (Director for International Cooperation and Partnership, Office of the Director-General for Disaster Management, Cabinet Office) The Great Kanto Earthquake and the Subsequent Progress in Disaster Management and Disaster RiskReduction Policy in Japan
12:20-12:40	Panel Discussion	TAKARA Kaoru (President of National Research Institute for Earth Science and Disaster Resilience (NIED), Associate Member, Science Council of Japan)

Break: 12:40-13:50

Session 1-2: Catastrophic Disasters and International Cooperation 13:50-15:00

13:50-14:10	Speech	Svetlana Ahmedova (Scientific Secretary, Institute of Seismology and Atmospheric Physics, Academy of Sciences of Turkmenistan) Focus zones of strong earthquakes occurring in Turkmenistan. Disaster and recovery after Ashgabat earthquakes of 1948
14:10-14:25	Speech	Clifford Oliver (Principal, Nanticoke Global Strategies LLC) The State of U.S. Catastrophic Planning: A U.S. Practitioner's Perspective
14:25-14:40	Speech	Muhammad Saidur Rahman (Founder and Director, Bangladesh Disaster Preparedness Centre) Un-precedented International Response to a Catastrophic Cyclone: The Bangladesh Case
14:40-15:00	Panel Discussion	NISHIKAWA Satoru (Senior Advisor, Japan International Cooperation Agency)

Break: 15:00-15:30

Special Session Moderator: KOIKE Toshio (Executive Director, International Centre for Water Hazard and Risk Management , Professor Emeritus, the University of Tokyo, Council Member, Science Council of Japan)

15:00-15:10	Speech	Mürsel Doğrul (Advisor to thePresident of the Turkish Academy of Sciences and Representative of the Turkish Young Academy) TÜBA's Findings and Recommendations on the East Anatolian Fault Line Earthquakes
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Theme 2: Pathways to Overcome Catastrophic Disasters

Theme Coordinator: HAYASHI Haruo (Professor Emeritus, Kyoto University, Associate Member, Science Council of Japan)

Session2-1: 1. Projected Catastrophic Disasters 15:30-16:40

15:30-15:40	Speech	IWAKI Asako (Chief Researcher, National Research Institute for Earth Science and Disaster Resilience, Associate Member, Science Council of Japan) Progress of Seismology and its Application toward Seismic Disaster Risk Reduction
15:40-15:50	Speech	KOSHIMURA Shunichi (Deputy Director, Professor,International Research Institute of Disaster Science, Tohoku University) Catastrophic Tsunami Disaster - Its Impact, Disaster Response, and Mitigation
15:50-16:00	Speech	HIRABAYASHI Yukiko (Professor, Department of Civil Engineering, Shibaura Institute of Technology) Climate Change Impacts on Catastrophic Meteorological Disasters
16:00-16:10	Speech	Christopher Allen (Economist for European Commission (in personal capacity)) Economic Instruments to Help Finance Resilience Against Mega-Disasters
16:10-16:40	Panel Discussion	SATAKE Kenji (Professor, Earthquake Research Institute, The University of Tokyo, Council Member, Science Council of Japan)

Close

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Day 2: September 8, 2023

Theme 2: Pathways to Overcome Catastrophic Disasters Theme Coordinator: HAYASHI Haruo (Professor Emeritus, Kyoto University, Associate Member, Science Council of Japan)

Session2-2: Transforming Societies to Overcome Future Catastrophic Disasters: What to Protect and How to Recover and Rebuild 9:30-10:40

9:30-9:40	Speech	YAMAMOTO Masanori (Mayor of Miyako City) Impact of the Great East Japan Earthquake on Society and Livelihoods and the Recovery Process
9:40-9:50	Speech	Jonathan Abrahams (Director, Monash University Disaster Resilience Initiative (MUDRI)) Systemic approaches to reducing health risks and impacts of emergencies and disasters
9:50-10:00	Speech	WATANABE Kenji (Professor, Graduate School of Engineering, Head of Disaster & Safety Management, Nagoya Institute of Technology) The Impact of Disruptive Disasters on Socioeconomic Activities and the Effectiveness of Regional BCM
10:00-10:10	Speech	Lauren Alexander Augustine (Executive director for the Gulf Research Program, National Academies of Sciences, Engineering, and Medicine) Climate, Health, and Equity: The Case for TransNational Resilience
10:10-10:40	Panel Discussion	NISHIGUCHI Naohiro (President, Japan Bosai(Disaster Risk Reduction) Platform (JBP))

Break: 10:40-10:50

Session2-3: Science and Technology for Supporting Social Changes 10:50-12:00

10:50-10:58	Speech	Gian Michele Calvi (Professor and Vice-Rector for Research at the IUSS Pavia) Expected earthquakes and disaster preparedness in Europe
10:58-11:06	Speech	NAKASHIMA Masayoshi (President, Kobori Research Complex (KRC)) A community-based coalition between industry and inhabitants A passage to practical measures for rescue and recovery after disastrous events
11:06-11:14	Speech	Ryan Lancelos (Director of National Government and Public Safety Solutions, Esri) Increasing Resilience Using Geospatial Infrastructure, a Digital Twin, and a Geographic Approach
11:14-11:22	Speech	Wei Sen Li (Secretary General, NCDR, Taiwan) Enable an Information Supply Chain for Disaster Risk Management - Innovation, Inclusion and Intelligence
11:22-11:30	Speech	INOBUCHI Munenari (Associate professor, Faculty of Sustainable Design, University of Toyama) Necessity of Dynamic Simulation System by Utilizing AI and DX
11:30-12:00	Panel Discussion	TAMURA Keiko (Professor, the Risk Management Center of Niigata University, Associate Member, Science Council of Japan)

Break: 12:00-13:30

Integration Session: 13:30-14:40 Moderator: IMAMURA Fumihiko (Professor, International Research Institute of Disaster Science (IRIDeS), Tohoku University, Associate Member, Science Council of Japan)

13:30-13:35	Session1-1	TAKARA Kaoru (President, National Research Institute for Earth Science and Disaster Resilience(NIED), Professor Emeritus, Kyoto University Associate Member, Science Council of Japan)
13:35-13:40	Session1-2	NISHIKAWA Satoru (Senior Advisor, Japan International Cooperation Agency)
13:40-13:45	Session2-1	SATAKE Kenji (Professor, Earthquake Research Institute, The University of Tokyo, Council Member, Science Council of Japan)
13:45-13:50	Session2-2	NISHIGUCHI Naohiro (President, Japan Bosai Platform)
13:50-13:55	Session2-3	TAMURA Keiko (Professor, the Risk Management Center of Niigata University, Associate Member, Science Council of Japan)
13:55-14:05	Report of Research Working Group	NAGAMATSU Shingo (Professor, Faculty of Societal Safety Sciences at Kansai University, Manager, Disaster Resilience Research Division, National Research Institute for Earth Science and Disaster Resilience (NIED)) OHARA Miho (Professor, Center for Integrated Disaster Information Research, Interfaculty Initiative in Information Studies, the University of Tokyo, Associate Member, Science Council of Japan)
14:05-14:40	Tokyo Statement 2023 Panel Discussion	IMAMURA Fumihiko (Professor, International Research Institute of Disaster Science (IRIDeS), Tohoku University, Associate Member, Science Council of Japan)

Break: 14:40-15:10

High Level Panel Session: 15:10-16:20 Moderator: HIROKI Kenzo (Professor, National Graduate Institute for Policy Studies), EGAWA Shinichi (Professor of International Cooperation for Disaster Medicine, Tohoku University)

15:10-15:18	Speech	KOIKE Yuriko, Governor of Tokyo (video)
15:18-15:26	Speech	Tedros Adhanom Ghebreyesus, Director-General, WHO (video)
15:26-15:34	Speech	Lidia Arthur Brito, Assistant Director-General for Natural Sciences, UNESCO (on-line)
15:34-15:42	Speech	MIZUTORI Mami, Special Representative of the Secretary-General for Disaster Risk Reduction, UNDRR (on-line)
15:42-15:50	Speech	Han Qunli, International Project Office Director, Integrated Research on Disaster Risk (IRDR), International Science Council (ISC)
15:50-16:20	Panel Discussion	HIROKI Kenzo (Professor, National Graduate Institute of Policy Studies (GRIPS)) EGAWA Shinichi (Professor of International Cooperation for Disaster Medicine, Tohoku University)

Break: 16:20-16:40

Closing Ceremony: 16:40-17:05 Moderator: KOMORI Daisuke (Specially Appointed Professor, Green Goals Initiative, Tohoku University, Associate Member, Science Council of Japan)

16:40-16:55	Tokyo Statement 2023 Adoption	ONO Yuichi (Professor, International Research Institute of Disaster Science, Tohoku University)
16:55-17:00	Ceremonial Address	YONEDA Masako (Specially Appointed Professor, School of Environment and Society, Tokyo Institute of Technology, Council Member, Science Council of Japan)
17:00-17:05	Closing Remarks	TAKAMURA Yukari (Vice-President in charge of International Activities, Science Council of Japan)

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