

# World BOSAI Forum

IDRC 2019 in SENDAI

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Spin disaster knowledge to  
Weave BOSAI wisdom

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WORLD BOSAI FORUM / IDRC 2019 in SENDAI

**November 9 sat ▶ 12 tue ,2019**

Venue | Sendai International Center, Kawauchi Hagi Hall (Tohoku University)

# PROGRAM BOOK

# Sponsors

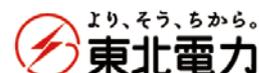
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# Message



**Yuichi Ono**

Founder and CEO, World Bosai Forum

Welcome to the second World Bosai Forum. This forum was created with the strong determination to create a world in which no one will ever suffer from a tragic disaster again from the disaster-stricken areas of Tohoku that experienced the Great East Japan Earthquake and Tsunami. The goal is to share with you effective and concrete Bosai (disaster risk reduction) solutions. This is an open forum in which anyone can register, whether professional or non-professional. The highlight of the more than 60 oral sessions will be organized freely by international organizations such as the United Nations, aid agencies such as JICA, universities and research institutions, governments, private companies, NGOs and others, and will showcase the latest knowledge and activities. The language used is basically English, but there are many sessions with simultaneous translation in Japanese. Also, besides the oral session, there are many other plans. I sincerely hope that through dialogue on Bosai, participants from Japan and overseas will expand the circle of Bosai from Sendai, a sacred place for Bosai, to Japan and overseas.



**Fumihiko Imamura**

Chairperson, World Bosai Forum Local Organizing Committee

As the Chairperson of the Local Organizing Committee, I would like to welcome all of you here in Sendai. At the eve of the forum, which will be held at Tohoku University's Hagi Hall in the afternoon of November 9, everyone will be able to see how the power of culture, music, and the arts has contributed to the recovery of the disaster-stricken areas of Tohoku. In the main body meeting of the forum, I would like to promote support for earthquake disaster recovery in the local communities (Tohoku, Miyagi and Sendai), transmission of lessons, and innovation related to Bosai (disaster risk reduction). In addition to the main body meetings, we will hold the Sendai Bosai Future Forum on November 10, hosted by Sendai City, and an exhibition of disaster-related companies, called the Earthquake disaster measures Technology Expo organized by Exhibition Technology, on November 10 to 11 at the exhibition building of the Sendai International Center where the World Bosai Forum will be held.



**Walter Ammann**

World Bosai Forum International Steering Committee Member

I would like to welcome you on behalf of the International Steering Committee. The World Bosai Forum and the International Disaster and Risk Conference (IDRC), which is organized by the Global Risk Forum in Davos, have a cooperative relationship and support each other in organizing these international experts and practitioners' gatherings. I understand that this year's WBF theme focuses on disaster risk reduction efforts by local governments, as the deadline for the Sendai Global Target E is next year. It is a good opportunity to learn what kind of efforts are being made by the municipalities affected by the Great East Japan Earthquake and Tsunami. This forum, which brings together people involved in disaster risk reduction from around the world, and the IDRC in Davos, will work together to contribute to disaster risk reduction around the world."



**Kanayo Kousaka**

Secretary-General, World Bosai Forum Secretariat

Hello everyone. Welcome to the second World Bosai Forum. This forum is an "international conference with citizen participation" in which not only disaster risk reduction officials from industry, government, and academia but also ordinary citizens participate to share their knowledge of "so far" and "from now on" while inheriting the experiences of the Great East Japan Earthquake and Tsunami. The forum features approximately 60 oral sessions, large and small, as well as poster presentations, mini-presentations, and exhibitions. The study tour would bring you to the tsunami-affected area where you could observe the ongoing recovery and reconstruction efforts since the disaster hit eight and a half years ago. I also want you to enjoy beautiful autumn of Tohoku. Various people from Japan and overseas gather in Sendai to discuss disaster risk reduction (BOSAI) and find solutions that can advance even a little "step forward" through dialogue and discussion. We hope that we can provide "creation of opportunities" and "connections" for you as the World Bosai Forum Secretariat. Let us enjoy the forum together.



# Overview

## Organizer

World Bosai Forum Local Organizing Committee/World Bosai Forum International Steering Committee

## Sponsorship

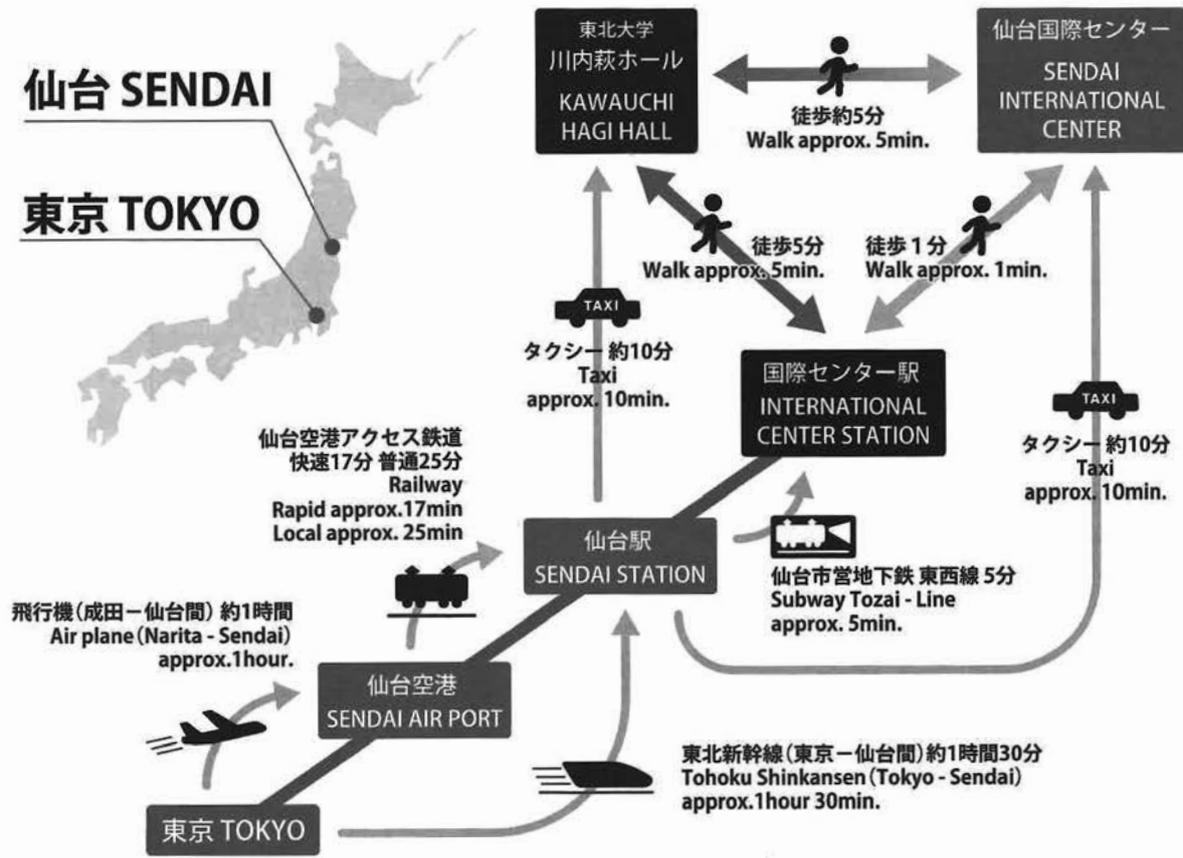
Ministry of Foreign Affairs of Japan, Ministry of Education, Culture, Sports, Science and Technology, Ministry of Land, Infrastructure, Transport and Tourism, Cabinet Office, Government of Japan, Ministry of Economy, Trade and Industry, Aomori prefecture, Iwate Prefecture, Fukushima Prefecture, NHK (Japan Broadcasting Corporation) Sendai Broadcasting station, Sendai Television Incorporated, TOHOKU BROADCASTING CO LTD., Miyagi Television Broadcasting Co., Ltd., HIGASHI NIPPON BROADCASTING Co., Ltd., Sendai FM BROADCASTING, INC., The Asahi Shimbun Company Sendai general office, The Mainichi Newspapers Co., Ltd. Sendai branch office, SANKEI SHIMBUN CO., LTD. Tohoku general office, THE YOMIURI SHIMBUN Tohoku general office)

## Media Partner



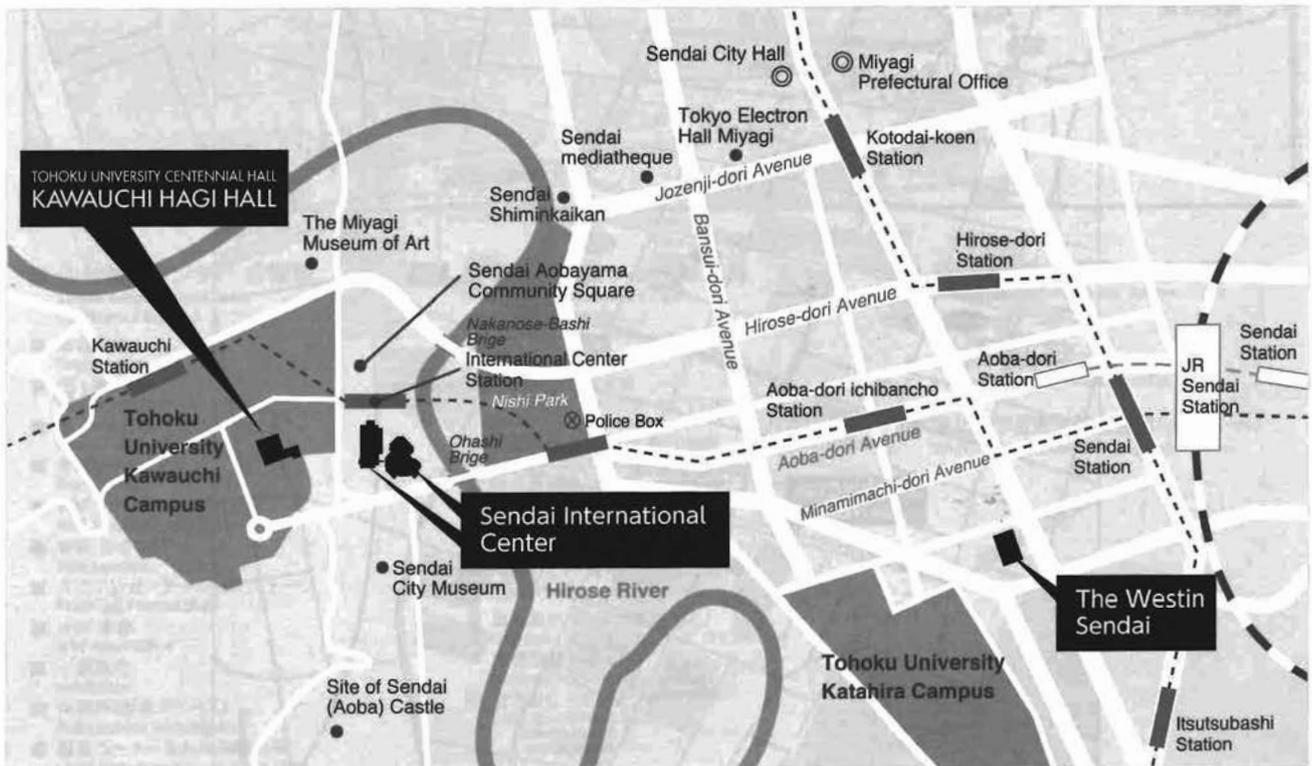
*remote sensing*

# Access Guide



## Sendai International Center

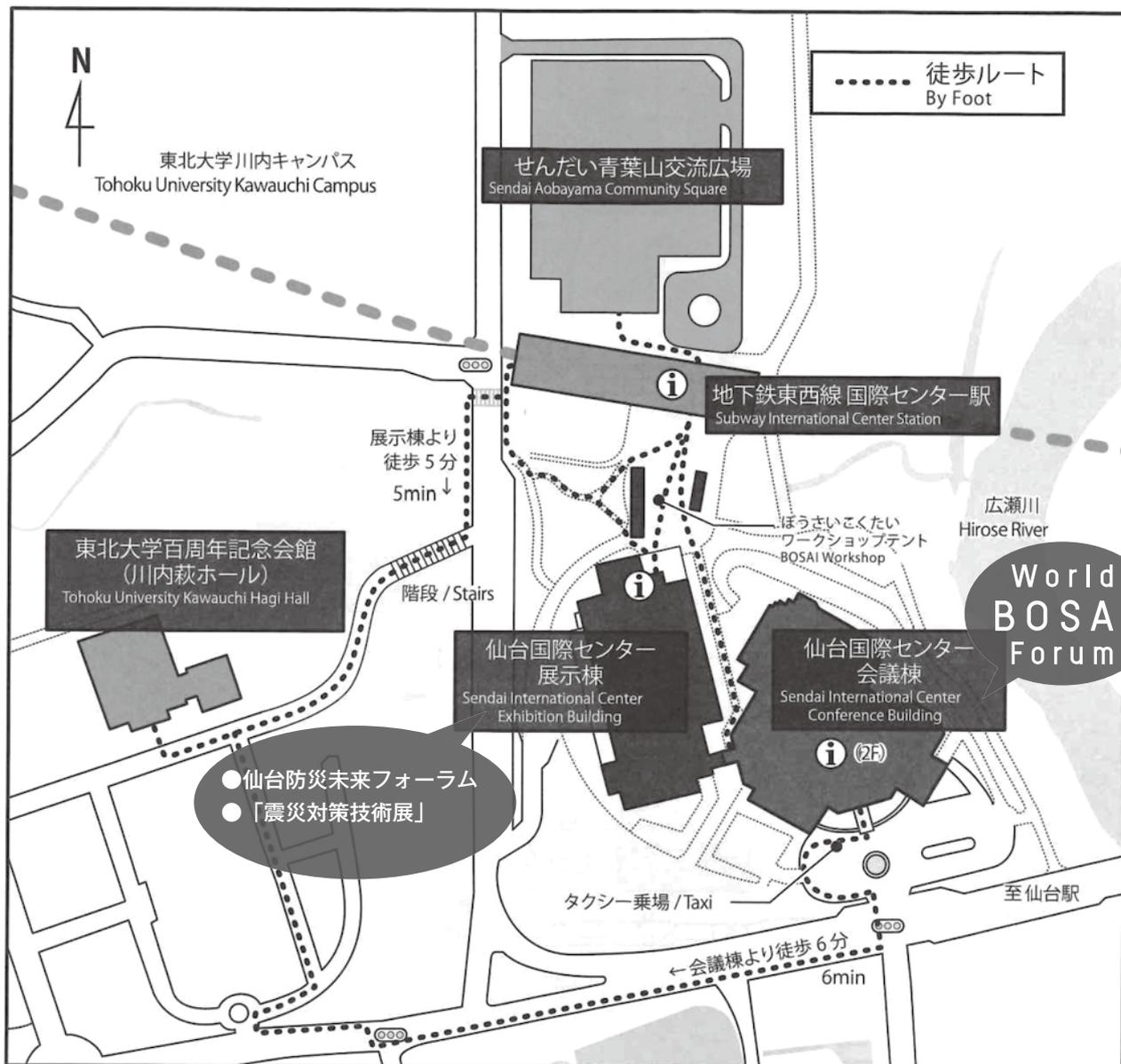
Approximately 1 minute walk from International Center Station (Subway, Tozai Line)





# Sendai International Center Maps & Directions

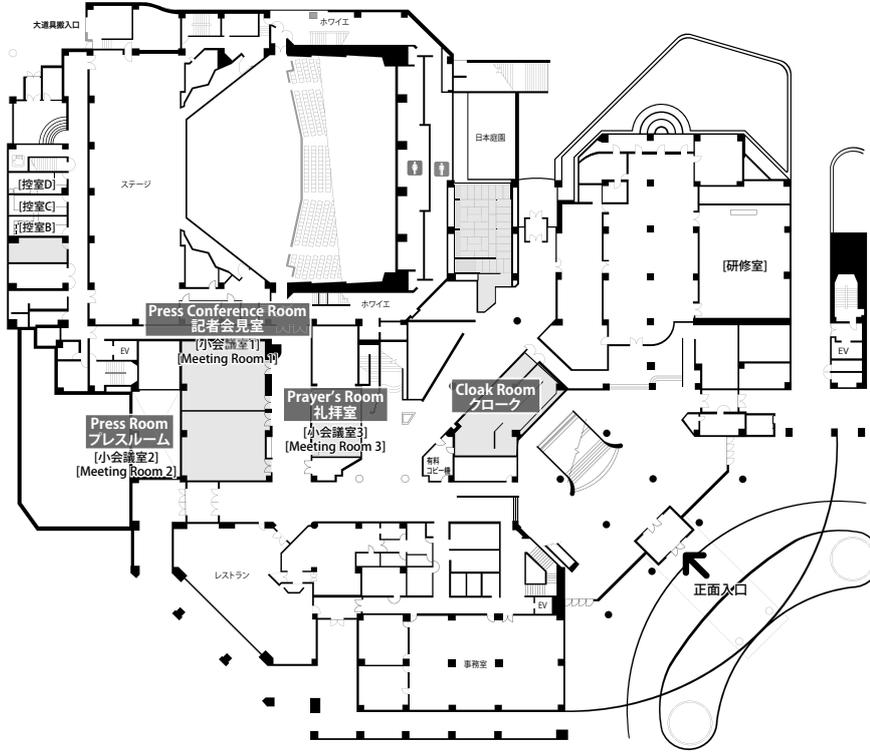
## 仙台国際センター 会場周辺案内図



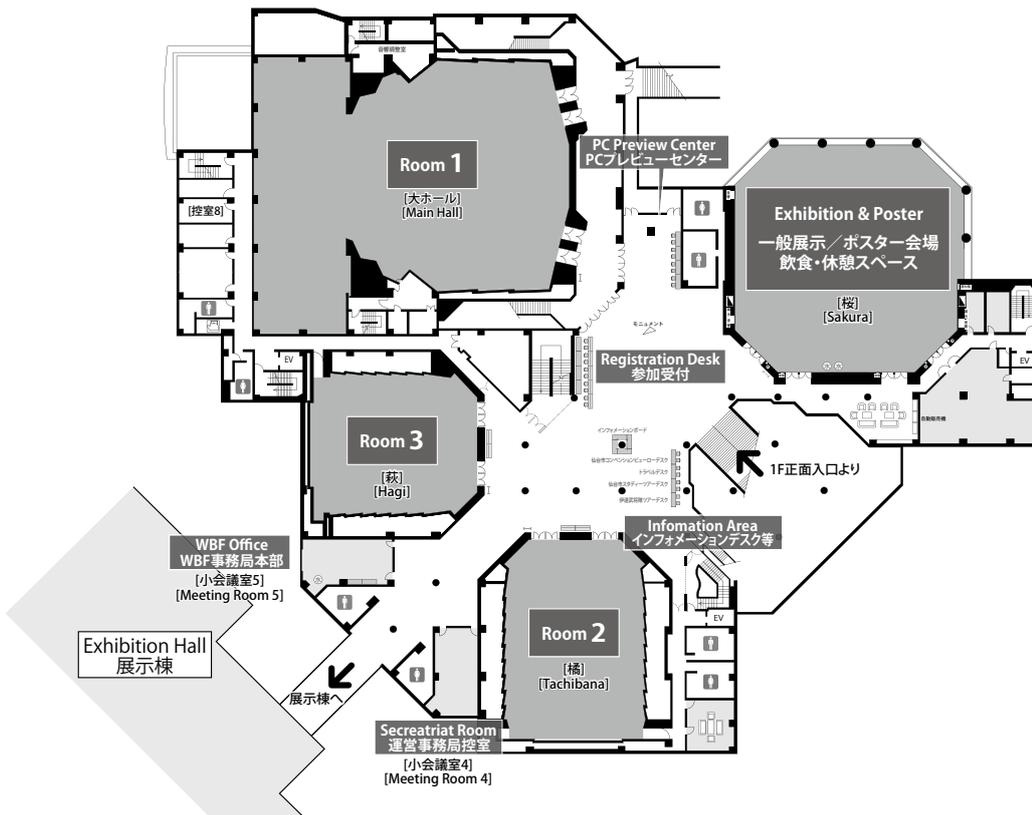
# Floor Guide

Sendai International Center Floor Guide  
仙台国際センターフロア案内図

会議棟 1 F  
Conference Building 1F

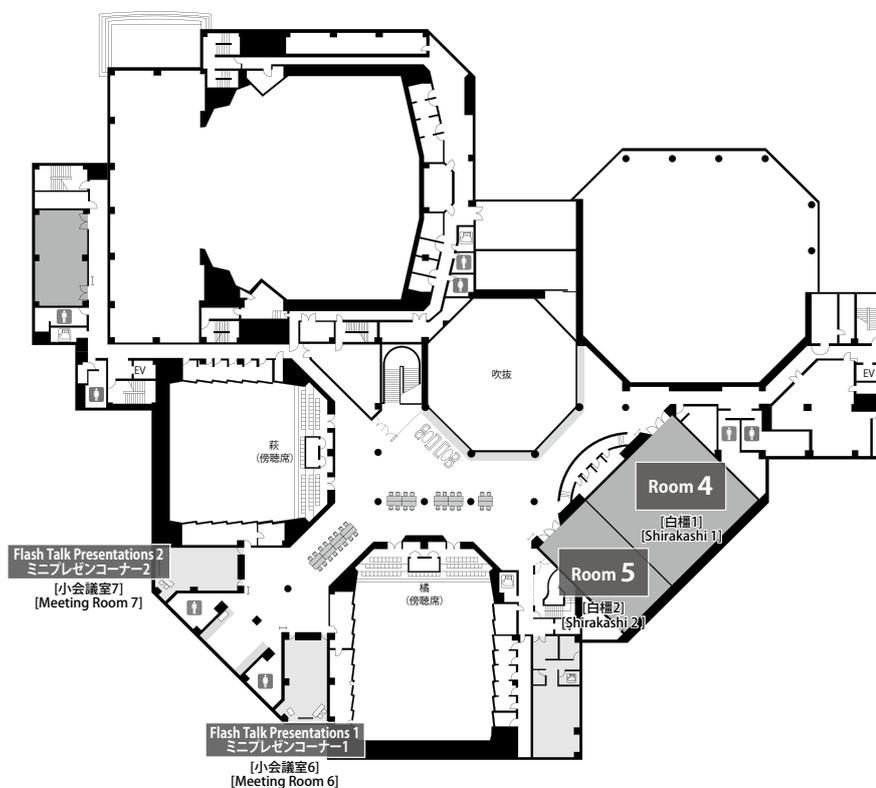


会議棟 2 F  
Conference Building 2F



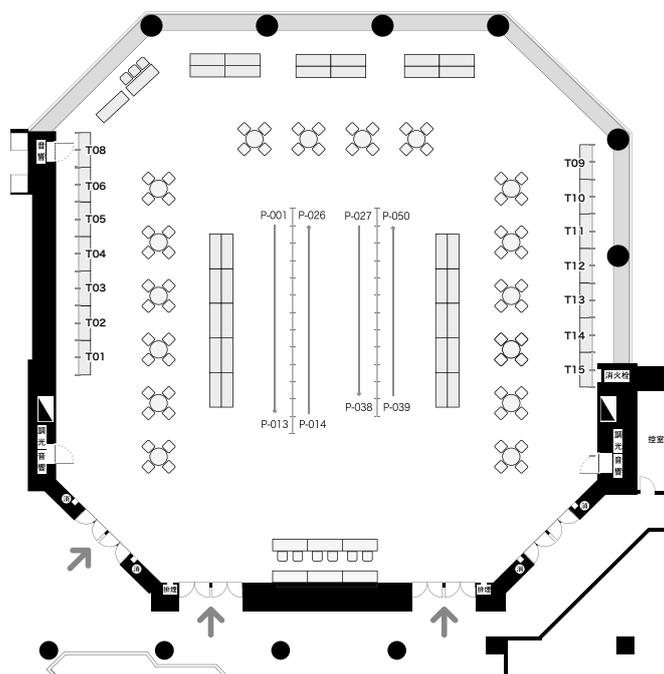


会議棟 3 F  
Conference Building 3F



一般展示 / ポスター会場  
飲食・休憩スペース  
Exhibition / Poster Session  
Resting Area  
Eating / Drinking Space

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# Program

Sunday, 10 November

:Open Session

:Simultaneous Interpretation

Venue		AM1	AM2	AM3	PM1	PM2	PM3	20:00 -21:50
		9:00-10:00	10:00-10:45	11:00-12:30	14:00-15:30	16:00-17:30	18:00-19:30	
Conference Bldg 2F	Main Hall (Room 1)	WBF Pre-Opening	WBF Opening	<b>O1-1</b> Great East Japan Earthquake Memorial Symposium: Passing Down Disaster Experience - Its True Meaning and Reality Disaster-Resilient and Environmentally-Friendly City Promotion Office, City Planning Policy Bureau, City of Sendai	<b>O1-2</b> The past and present role of national universities experienced the 2011 Tohoku Earthquake and tsunami for discussion on the future BOSAI Tohoku University- IRIDeS	<b>O1-3</b> Accelerating formulation of local DRR plans toward the next 10 years of their implementation - How to achieve Global Target (e) of the Sendai Framework?- Japan International Cooperation Agency	<b>O1-4</b> 3.11 DENSHO ROAD to Hand down the Lessons of the Great East Japan Earthquake-Activities of Memorializing the Earthquake in Industry-academia-government-citizen Collaborations - Disaster Memorial Network Council (Tohoku Regional Bureau, M.I.T., Aomori Prefecture, Iwate Prefecture, Miyagi prefecture, Fukushima Prefecture, Sendai City)	Reception (Hotel Metropolitan SENDAI)
	Tachibana (Room 2)			<b>O1-6</b> "Moving Hearts" With Experiences and Lessons ~ Connecting Stories to Specific Disaster Prevention Measures Miyagi Prefectural Government	<b>O1-7</b> Cross-cutting the Disaster-Related Sciences: Challenges of a Multidisciplinary Team in Tohoku University The Core Research Cluster of Disaster Science	<b>O1-8</b> Thinking about Disaster Storytelling: How to Use Oral Narratives to Prevent Future Fatalities The Kahoku Shimpo		
	Hagi (Room 3)			<b>O1-9</b> Media and Bosai: A Crucial Combination for Saving Lives NHK World-Japan	<b>O1-10</b> Disaster Risk Reduction and Women's Leadership Gender Equal Opportunity Section, City of Sendai Sendai Gender Equal Opportunity Foundation	<b>O1-11</b> Creating new disaster prevention industry based on the lessons learned from the Great East Japan Earthquake City of Sendai	<b>O1-12</b> Teachers' Capacity Development for Enhancing Disaster Risk Reduction at School Miyagi University of Education	
	Sakura	Poster Session, Exhibition						
Conference Bldg 3F	Shirakashi1 (Room 4)			<b>O1-13</b> State-of-the-art research on wind related disaster risk reduction International Group on Wind-Related Disaster Risk Reduction	<b>O1-14</b> Knitting Networks of Science-Policy-Actions for Accelerating Achievement of SFDRR Targets and Ensuring Coherence of Post-2015 Global Agreements United Nations University- Institute for the Advanced Study of Sustainability	<b>O1-15</b> Research, Development, and Utilization of Beppu Model Disability-inclusive Disaster Risk Reduction: Towards Seamless Connections between Normal and Disaster Times Doshisha University	<b>O1-16</b> Role of NPOs and volunteer organizations in disaster recovery: International and Japan cases Tohoku University- IRIDeS	
	Shirakashi2 (Room 5)			<b>O1-17</b> Creating a disaster-resilient society through industry-academia collaboration Tohoku University- IRIDeS + Tokio Marine & Nichido Fire Insurance Co., Ltd.	<b>O1-18</b> NATECH Risk in Asia Pacific Keio University			
	Meeting Room 6							
	Meeting Room 7				12:45-14:00 Flash Talk Presentation		15:35 15:50 Flash Talk Presentation	17:35 17:50 Flash Talk Presentation



Monday, 11 November

🗣️ Simultaneous Interpretation

Venue		AM1	AM2	AM3	PM1	PM2	PM3	
		8:00-8:20	8:30-10:00	10:30-12:00	13:30-15:00	15:30-17:00	17:30-19:00	
Conference Bldg 2F	Main Hall (Room1)	<b>K01</b> <b>Keynote Speech</b>	<b>O2-1</b> 🗣️ Local production for local protection (Chisan Chibo) – Proposing standardized local-level bosai operations from Tohoku Tohoku University- IRIDeS	<b>O2-2</b> Public Understanding on Typhoon and Related Disaster (Lessons Learned from the Past Disaster) UNESCAP/WMO Typhoon Committee	<b>O2-3</b> 🗣️ Build Back Better as a key to achieve Climate Resilience -How we will deal with intensifying meteorological disasters- Pacific Consultants Co., Ltd.	<b>O2-4</b> Contribution from meteorology, hydrology and DRR for the Platform on Water Resilience and Disasters ICHARM	<b>O2-5</b> GADRI Activities and Contributions to the Science and Technology Roadmap for the implementation of SFDRR Agenda 2015-2030 Kyoto University; GADRI	
	Tachibana (Room 2)		<b>O2-6</b> New Horizon of IRIDeS-NTT Innovative Research NTT	<b>O2-7</b> 🗣️ Practical use of recovery experiences from the Great East Japan Earthquake for support to Central Sulawesi in Indonesia Japan International Cooperation Agency (JICA)	<b>O2-8</b> Transdisciplinary Approach (TDA) for Building Societal Resilience to Disasters - Efforts towards Achieving the Goals of Sendai Framework - Japan Society of Civil Engineers	<b>O2-9</b> 🗣️ Preparation for "SUPER-ISE-BAY Typhoon", 60-Years After Ise Bay Typhoon Chubu Regional Development Bureau of the Ministry of Land, Infrastructure, Transport and Tourism	<b>O2-10</b> Enhancing Resilience of Coastal Communities through Reduction of Ocean Risks The Ocean Policy Research Institute, Sasakawa Peace Foundation	
	Hagi (Room 3)		<b>O2-11</b> Recent Progress of the Global Centre for Disaster Statistics (GCDS) Tohoku University- IRIDeS		<b>O2-13</b> Variation of Build-Back-Better: Asian Perspectives Kobe University	<b>O2-14</b> Technology and disaster management education for "adult" Institute of Industrial Science, The University of Tokyo	<b>O2-15</b> Fostering U-Inspire alliance - Youth and young professionals in Science, Engineering, Technology, and Innovation for DRR in Asia and the Pacific UNESCO	
	Sakura	Poster Session(12:15-13:15 Poster presentation core time ), Exhibition						
Conference Bldg 3F	Shirakashi1 (Room 4)		<b>O2-16</b> The tale of the two 2018 tsunamis in Indonesia from a health perspective. The City University of Hong Kong	<b>O2-17</b> Health System Disruption at Primary Health Center Level Affected by Earthquake, Tsunami, and Liquefaction in Three Districts of Central Sulawesi, Indonesia Ministry of Health	<b>O2-18</b> Participatory Monitoring of Health Security by Nurses for Disaster Risk Reduction University of Kochi, Japan	<b>O2-19</b> Immediate capacity assessment of infectious disease surveillance officer after disaster in Central Sulawesi Province earthquake and tsunami, Indonesia Islamic State University of North Sumatra, Medan, Indonesia		
	Shirakashi2 (Room 5)			<b>O2-22</b> Innovative remote sensing technologies for enhancing disaster management Tohoku University- IRIDeS		<b>O2-24</b> Is relocation an effective solution to increased coastal community resilience? Sharing international perspectives Tohoku University- IRIDeS	<b>O2-25</b> Planning for resettlement after disaster: Lessons from the case of Dar es Salaam, Tanzania University of Grenoble Alpes & Technical University of Darmstadt	
	Meeting Room 6				12:15-13:30 Flash Talk Presentation	15:05-15:20 Flash Talk Presentation	17:05-17:20 Flash Talk Presentation	
	Meeting Room 7				12:15-13:30 Flash Talk Presentation	15:05-15:20 Flash Talk Presentation	17:05-17:20 Flash Talk Presentation	

Tuesday, 12 November

 Simultaneous Interpretation

Venue		AM1	AM2	AM3	PM1	PM2	PM3
		8:00-8:20	8:30-10:00	10:30-12:00	13:30-15:00	15:30-17:00	17:30-18:00
Conference Bldg 2F	Main Hall (Room1)	<b>K02</b>  Keynote Speech	<b>O3-1</b> Toward Restoration after Fukushima Daiichi Nuclear Accident  Tohoku University		<b>O3-3</b> Value of advance information for earthquake damage reduction and its feasibility  OPTAGE Inc.	<b>O3-4</b>  Support to Disaster Risk Reduction by private sector  JAPAN TOBACCO INC.	
	Tachibana (Room 2)		<b>O3-5</b> Spiritual care and relevant faith-based activity in disaster relief and recovery  Soka Gakkai International	<b>O3-6</b>  BOSAI DIVERSITY Diversity in disaster preparation  Yahoo Japan co.	<b>O3-7</b> The Asia-Pacific Disaster Report 2019: Pathways for resilience, inclusion and empowerment  ESCAP	<b>O3-8</b>  "FUKUSHIMA" its disasters archives, current revitalization status and the future  Business Council for the Fukushima Innovation Coast Initiative (representative of Tokyo Electric Power Company)	  Closing
	Hagi (Room 3)			<b>O3-10</b> Interdisciplinary Strategies in General Education for Disaster Risk Reduction: The Six-Year Experience by DRMAPS at the University of the Philippines  University of the Philippines Diliman	<b>O3-11</b>  BOSAI POINT. A new disaster-preventing service, using your untouched points to raise donations  BOSAI POINT PROJECT	<b>O3-12</b> The future of wide area disaster response by drones and air mobilities  Drone Fund	
	Sakura	Poster Session, Exhibition					
Conference Bldg 3F	Shirakashi1 (Room 4)		<b>O3-13</b> Advances of International Collaboration on M9 Disaster Science  Tohoku University- IRIDeS	<b>O3-14</b> Fuel stocking proposal to connect life at the time of disaster  NIPON BCP INC	<b>O3-15</b> Support for affected areas by "local residents" in the Great East Japan Earthquake "Connecting" town development by "collaboration"  All Japan Council Company	<b>O3-16</b> The Factors Regulate to Community Participation in Sustainable Disaster Recovery Program: An Experience of Cyclone Aila Disaster Affected Coastal People Bangladesh  University of Malaya, Malaysia	
	Shirakashi2 (Room 5)		<b>O3-17</b> Redefining and be preparing for disasters: the lessons from the Moken sea nomads of Thailand  Chulalongkorn University	<b>O3-18</b> IFIP session on IT in Disaster Risk Reduction (ITDRR)  IFIP+IPJS			
	Meeting Room 6				12:15-13:30 Flash Talk Presentation	15:05 15:20 Flash Talk Presentation	17:05 17:20 Flash Talk Presentation
	Meeting Room 7				12:15-13:30 Flash Talk Presentation	15:05 15:20 Flash Talk Presentation	17:05 17:20 Flash Talk Presentation



# Poster Session

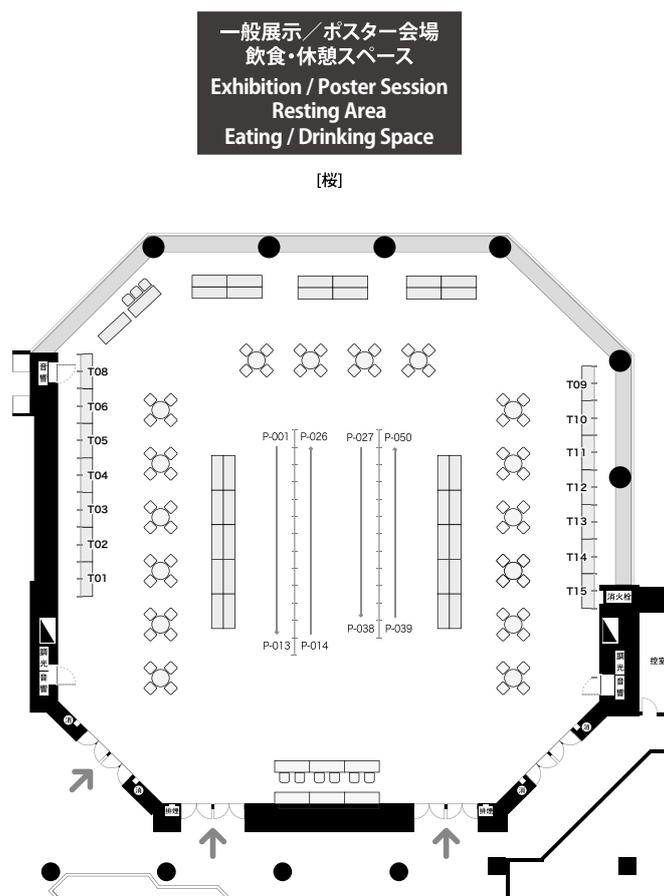
Poster number	Name	Title
P01	Akari Nakai Kidd	TRACING 3.11.11
P02	Shun Nakazawa	Joint Development and Implementation of a Community Engagement Model Practical Education Program Based on Disaster Response Expertise : Community Planner Training at Miyagi University and the University of Hyogo
P03	Constance Ting Chua	<strong>Response of port infrastructure to tsunami impacts: Damage observations from the 2011 Tohoku tsunami</strong>
P04	Hiroshi Maeda	National Diet Library Great East Japan Earthquake Archive: HINAGIKU
P05	kwanchai pakoksung	Tsunami Simulation in the 28 September 2018 Palu Bay, Indonesia, Using Submarine Landslide Source and Two-layer Depth-integrated Modeling
P06	Tomoki Serikawa	Spatial distribution of cause of death based on resident address of the deceased in the 2011 Tohoku Tsunami: A case study of Ishinomaki City, Miyagi prefecture
P07	Jose Pastrana	<strong>Spanish cooperation in the field of training for disaster risk reduction in Latin America and the Caribbean</strong>
P08	Anawat Suppasri	Cascading effects of tsunami disasters
P09	Shuji Seto	The cause of death analysis based on the deceased's data in the 2011 Tohoku Tsunami: A case study of Miyagi prefecture
P10	Shuji Seto	The analysis of location data related to the deceased in the 2011 Tohoku Tsunami: A case study of Miyagi prefecture
P11	Machiko Kamiyama	A Case Study of Cooperation between Historians and Psychologists in Providing and Assessing Community Psychosocial Support in Tsunami-affected Areas
P12	mitsuaki kizaki	Fuel stocking proposal to connect life at the time of disaster
P13	Hiroaki Enoki	Support for affected areas by "local residents" in the Great East Japan Earthquake "Connecting" town development by "collaboration"
P14	Yo Fukushima	Making use of uncertain earthquake forecast information: Challenges toward disaster risk reduction against the anticipated Nankai Trough Earthquake (M8-M9), western Japan
P15	Yuto Shiozaki	Concepts of Urban System's Resilience and a Mathematical Model
P16	Naoko Kosaka	Study on Emergency Management Using Incident Response Log Classification Based on Activity Objectives
P17	Adrian Dela Cruz Romero	<strong>BUILDING DISASTER RESILIENT COMMUNITIES THROUGH SERVICE LEARNING: REFLECTIONS AND LESSONS OF UNIVERSITY OF SANTO TOMAS NATIONAL SERVICE TRAINING PROGRAM CWTS/LTS</strong>
P18	Shusuke IRABU	Non-structural approach to volcanic disaster risk reduction through BOSAI project phase2 in Guatemala: activities for capacity development of communities, municipalities and national institution.
P19	Akiko ETO	Health-Related Studies After the Great East Japan Earthquake: A Literature Review
P20	Anna Shinka	The analysis of tsunami evacuation behavior considering tsunami victim's data from a case study in Kesenuma city
P21	Takeshi Miyawaki	Research on the education for disaster reduction: Effects of "Starter Guide" shelter management game (HUG).
P22	Reggy Capacio Figer	Personal Networks Among Selected Elderly in Post-Disaster Community in Tacloban City
P23	Kanako Masuno	Emergency nutritional support in Japan: history, bottleneck, and future perspective with technology

# Poster Session

Poster number	Name	Title
P24	MIZAN BUSTANUL FUADY BISRI	SEARCH (Search Engine for Research on Risk and Resilience) - CARII (Cerdas Antisipasi Risiko Bencana di Indonesia)
P25	seyedmohsen alavi	Toward Resilient cities: <em>disaster</em> Risk <em>Reduction</em> analysis of Urban Water Infrastructures in A Potential Earthquake (Case study: Region 2 of Tehran Municipality)
P26	Fumihiko Imamura	Local production for local protection ( <em>Chisan Chibo</em> ) – Proposing a standardized local-level <em>bosai</em> operations from Tohoku
P27	Adrian Dela Cruz Romero	<strong>HERSTORY: FACILITATING PARTICIPATORY DISASTER RISK ASSESSMENT TO THE SINGLE-MOTHERS OF SUB-URBAN POOR RESETTLEMENT HOUSING IN PHILIPPINES</strong>
P28	Manoranjan Ghosh	<strong>Climate Change Induced Rural Socio-Economic Vulnerability: An Empirical Regional Analysis from Sub-Himalayan West Bengal, India</strong>
P29	Miho Ohara	Disaster Awareness Improvement by Flood Simulated Experience in Virtual Reality
P30	Kazuo Sasaki	How to save people from earthquake?
P31	An chi CHENG	A proposed framework for clarifying consequence impacts chain of tsunami hazards on global seaborne network
P32	JIEHJIUH WANG	<strong>Long term recovery and resilience construct- The lessons learned from Jiji earthquake</strong>
P33	Tony Jarrett	<strong>Fire Service experts enhancing bush fire disaster resilience education with Primary School Geography students: A case study from New South Wales, Australia</strong>
P34	Gianluca Pescaroli	<strong>A review of stressors affecting organisational resilience of emergency facilities and infrastructure in cascading crises</strong>
P35	Muksin Umar	<strong>Comprehensive Investigation of active faults and its impacts in South East Aceh Region</strong>
P36	Syamsidik Syamsidik	<strong>Investigating Planned Elevated Road for Mitigating Impacts of Tsunami on Banda Aceh, Indonesia</strong>
P37	Ella Meilianda	AN OVERVIEW OF POST-DISASTER RISKS TO SCHOOL FACILITIES IN ACEH PROVINCE OF INDONESIA
P38	Christian Webersik	Extreme weather, displacement, and conflict: New insights from Somalia
P39	Carrie Garrison-Laney	Using tsunami deposits and modeling to study tsunami history and sources in Washington State, USA
P40	Natt Leelawat	Typhoon Wind Speed VS. Storm Surge Inundation: Understanding Risk of Building Damage from Statistical Analysis
P41	Yayoi Nakamura	Sleep disturbance among people in Minamisanriku town after the Great East Japan Earthquake
P42	Ryosuke Koga	Strengthening Disaster-response Capabilities of Expressway
P43	Junko Okuyama	Influence of leisure time on the mental health of affected high school students by the disaster
P44	Maria Bernadet Karina Dewi	The Asia-Pacific Disaster Report 2019: Pathways for resilience, inclusion and empowerment
P45	Masakazu Hashimoto	Investigation of typhoon no. 19 induced flood damages and historical characteristics of flood hazards around Yoshida River in Miyagi Prefecture, Japan
P46	Yuelei Yuan	Disaster Risk Reduction Knowledge Service
P47	Ilpyon Hong	Water-Related Disaster Security: Assessing National Risk in Asia



# Exhibition group list



## Group list

T01 Miyagi University

T02 Japan BCP Inc

T03 Kochi University of Technology

T04 Resilient ICT Research Center, National Institute of Information and Communications Technology

T05 National Research Institute for Earth Science and Disaster Resilience

T06 GADRI / DPRI

T08 CONSAM CO.,LTD.

T09 Disaster Management Training Center

T10 Journal of Disaster Research

T11 Japan Bosai Platform

T12 TRUSTIA CORPORATION

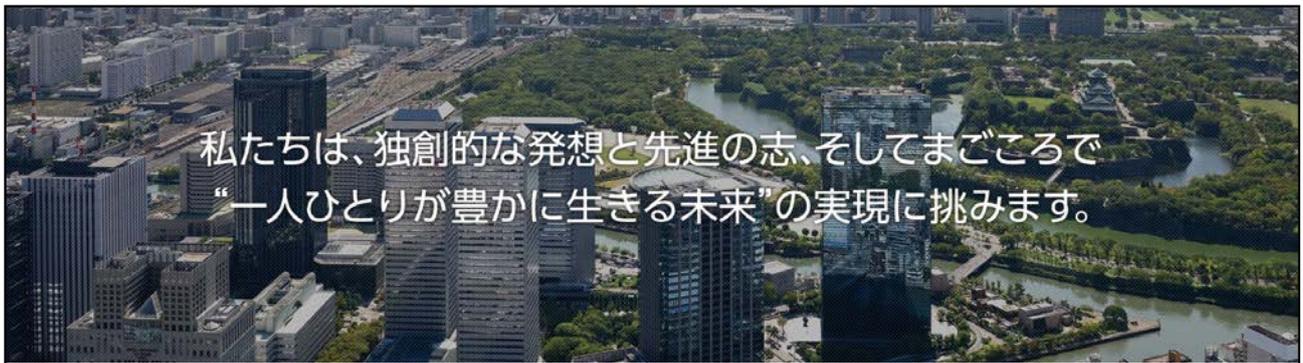
T13 Japan International Cooperation Agency (JICA)

T14 BOSAI POINT PROJECT.

T15 Weathernews Inc

# Flash Talk Presentations

Session No.	Date	Time	Venue	Name	Affiliation	Title
MP1-E	10-Nov	15:35-15:50	Meeting room 6	Nurjanah Jane	Tokyo Metropolitan University	Disaster Heritage to Promote Dark Tourism for Resilient Community
MP1-F	10-Nov	17:35-17:50	Meeting room 6	Dr./Mr. Kang Chang Hyun	Dankook University	Recent Activity for DRR in Republic of Korea
MP1-01	10-Nov	12:45-13:00	Meeting room 7	Mikio ISHIWATARI	Japan International Cooperation Agency/ University of Tokyo	Current state of SFDRR related research and education by universities and institutions
MP1-02	10-Nov	13:05-13:20	Meeting room 7	Masa-yuki Yamamoto	Kochi University of Technology	Proposition of a New Ground-based Observation Network of Infrasound for Tsunami Disaster Mitigation
MP1-03	10-Nov	13:25-13:40	Meeting room 7	Hideaki Murai. Ikuo Oikawa	All Japan Council Company	Support for affected areas by "local residents" in the Great East Japan Earthquake "Connecting" town development by "collaboration"
MP1-04	10-Nov	13:45-14:00	Meeting room 7	Paul Rosenberg	UNDRR/International Recovery Platform	Recovery Institutions to Build Back Better
MP1-05	10-Nov	15:35-15:50	Meeting room 7	Eric Ariel Gonzales Rocha	United Nations Office for Disaster Risk Reduction	Sendai Framework Voluntary Commitments: An online platform where all stakeholders can showcase their work on DRR
MP1-06	10-Nov	17:35-17:50	Meeting room 7	KAZUYUKI TOHYAMA	TRUSTIA CORPORATION	You can Get High-quality Japanese Products for Disaster Preparedness from anywhere in the world!!
MP2-01	11-Nov	12:15-12:30	Meeting room 6	Yudai Tsuda	Tech Design Co.,Ltd.	Enterprise Risk Management platform to minimize economic losses from disasters
MP2-02	11-Nov	12:35-12:50	Meeting room 6	DAIKI AKASAKA	IKUSA Inc.	New Sports Day for Bosai ~ Disaster Prevention "Revolution" by Entertainment force ~
MP2-03	11-Nov	12:55-13:10	Meeting room 6	Yusaku Izumi	KOKUA	The Creation of "Investment Crowdfunding Platform for Non-Profit Organization"
MP2-04	11-Nov	13:15-13:30	Meeting room 6	Kojiro Akiyama	Kodomo-shokudo support organization	why free restaurants for children can be bosai platform.
MP2-05	11-Nov	15:05-15:20	Meeting room 6	Akihiro Matsushita	CINQ.Co., Ltd	Forestry technology to DRR field
MP2-06	11-Nov	17:05-17:20	Meeting room 6	Akihiro Nakamura	LPP (Life Protect Plan)	Development of the new disaster information analysis system which looking ahead for the next-generation Japan.
MP2-07	11-Nov	12:15-12:30	Meeting room 7	Mitsuaki Kizaki	Nippon BCP Inc	Fuel stocking proposal to connect life at the time of disaster
MP2-08	11-Nov	12:35-12:50	Meeting room 7	Miwako Kitamura	Tohoku University Graduate school of Engineering	Gender in disaster: Elderly caregiver circumstances during the Great East Japan Earthquake example study of rural coastal area in Iwate prefecture Enhancing the Access of Foreigners to the Disaster Relief Assistance
MP2-09	11-Nov	12:55-13:10	Meeting room 7	Ikuyo Kikusawa	Chief Researcher, Fukuoka Urban Research Center	Disaster Management through Augmented Reality and Satellite Data
MP2-10	11-Nov	13:15-13:30	Meeting room 7	Ariston N. Gonzalez	Adarna Aerospace	Crisis Management in the field of Tourism
MP2-11	11-Nov	15:05-15:20	Meeting room 7	Hokuto Asano	Japan Tourism Agency	SERVICE LEARNING THROUGH NSTP CWTS/LTS: The Community Based Disaster Risk Reduction Program of University of Santo Tomas-National Service Training Program (NSTP) CWTS/LTS
MP3-01	12-Nov	12:15-12:30	Meeting room 6	Mr. Adrian D. Romero; Ms. Sheila Ruth Masangkay, Ms. Jasmin Victoria	University of Santo Tomas-National Service Training Program CWTS/LTS	A social-ecological approach to disaster risk management applied to the case study of the Marche Region, Italy
MP3-02	12-Nov	12:35-12:50	Meeting room 6	Alessandra Colocci	Universita Politecnica delle Marche	Mobilizing Local Knowledge in Local Disaster Risk Reduction Strategies
MP3-03	12-Nov	12:55-13:10	Meeting room 6	Dr Aaron Opdyke	The University of Sydney	Water, Sanitation, and Hygiene (WASH) assessments two years after Nepal 2015 earthquake
MP3-04	12-Nov	13:15-13:30	Meeting room 6	Sital Uprety	Department of Civil and Environmental Engineering, University of Illinois and Department of Frontier Science for Advanced Environment, Tohoku University	The state-of-the-art review of vulnerability indices: with a special focus on urban flood
MP3-05	12-Nov	15:05-15:20	Meeting room 6	Tanaya Sarmah	Indian Institute of Technology Kharagpur	Fragility curves for economic losses in industrial sectors after strong wind disaster: A case
MP3-06	12-Nov	17:05-17:20	Meeting room 6	Hasi	Kyoto University	of 2018 Typhoon Jebi
MP3-07	12-Nov	12:15-12:30	Meeting room 7	Danielle Marie Alcoriza Parreno	University of the Philippines Diliman	Exploring the DRRM Landscape of the University of the Philippines Diliman: How prepared are university students in case of a disaster?
MP3-08	12-Nov	12:35-12:50	Meeting room 7	Haris Rahadiano	Kyoto University	Damage Distribution of Typhoon No. 21 in 2018 on Osaka and Wakayama Prefecture based on Questionnaire Surveys
MP3-09	12-Nov	12:55-13:10	Meeting room 7	Mr. Ozmen Ozgu Tuna	Disaster and Emergency Management Presidency (AFAD)	Recent Activity for DRR in Turkey
MP3-10	12-Nov	13:15-13:30	Meeting room 7	Kazuo Sasaki	Challenge Co.,Ltd	How to save people from earthquakes
MP3-11	12-Nov	15:05-15:20	Meeting room 7	Ruya Kaya	IDEMA	Saglam KOBİ Project
MP3-12	12-Nov	17:05-17:20	Meeting room 7	Dr. Julie Drolet	Professor, University of Calgary	Understanding child and youth resilience in the aftermath of disasters: The case of the 2016 Alberta wildfires in Canada



私たちは、独創的な発想と先進の志、そしてまごころで  
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私たちは地震防災分野に取り組み、被害軽減や早期復旧に繋がる事業開発を目指しています

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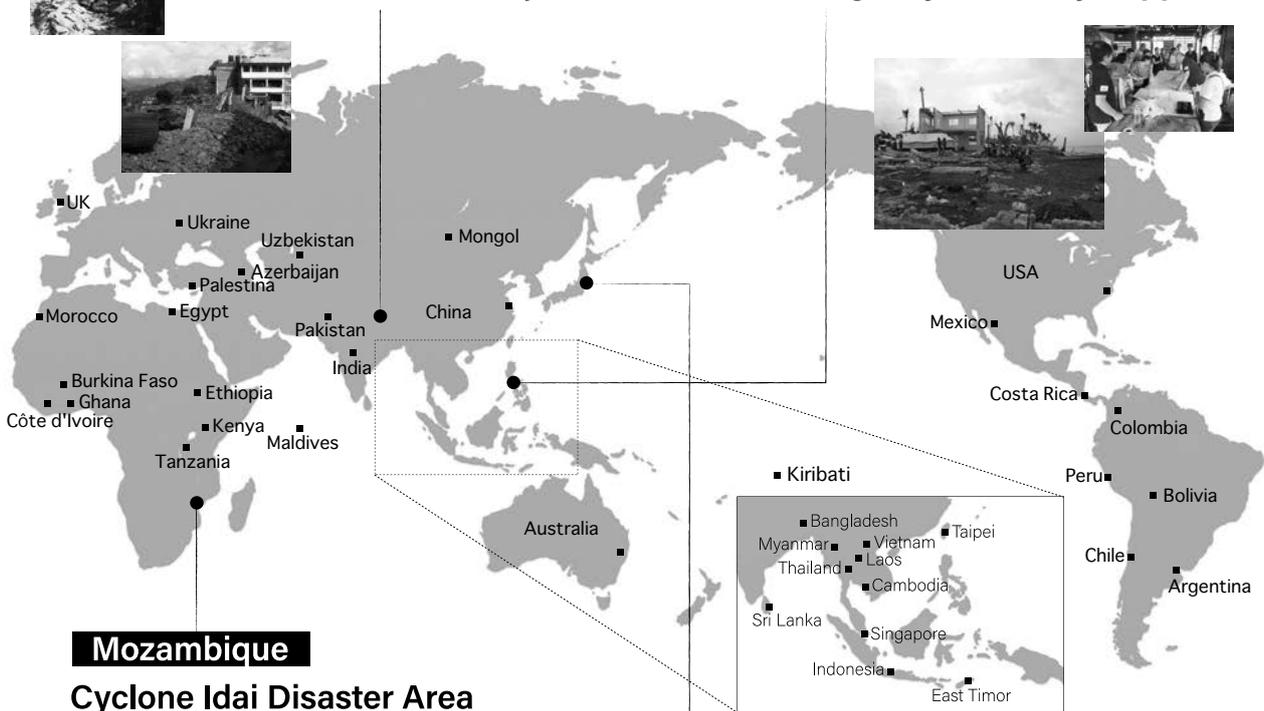
### Nepal

#### Earthquake Recovery and Reconstruction Project



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■...Countries and regions where Pacific Consultants operated between 2012 and 2019

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How to deal with intensifying cyclone disasters- lessons from the Built Back Better process

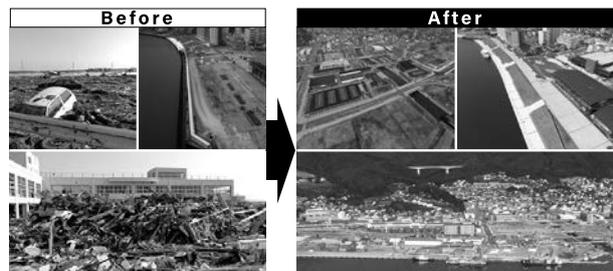
World BOUSAI Forum 2019 official web site

[www.worldbosaiforum.com/2019/english/](http://www.worldbosaiforum.com/2019/english/)

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(2011.3.11)



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世界を変える  
一歩をあなたと



すべての人が平和と豊かさを享受できるように、私たちにできることは何か。

国連は、2015年に17の目標からなる「持続可能な開発目標（SDGs）」を発表。世界の困難な社会課題の解決に向け、取り組みが始まっています。私たち富士通は、こうした目標にAI、IoTなど最新のデジタルテクノロジーの力で貢献していくことが、ICT企業としての使命だと考えています。

デジタル社会で蓄積されるデータを、最先端テクノロジーで解析、分析。人の適切な判断を支援し、災害対策、エネルギー活用、貧困層の縮小など、グローバルな社会課題の解決を目指します。

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\*「マングローブ植林行動計画」「公益財団法人オイスカ」(1999年度～)「国際マングローブ生態系協会」(2009年度～)

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## 地域をつなぎ、地域とつながる

SUSTAINABLE DEVELOPMENT GOALS

世界を変えるための17の目標

NEXCO東日本グループは、国連が策定した「持続可能な開発目標(SDGs)」を支持し、  
高速道路事業を通じて社会的課題の解決を推進しています。



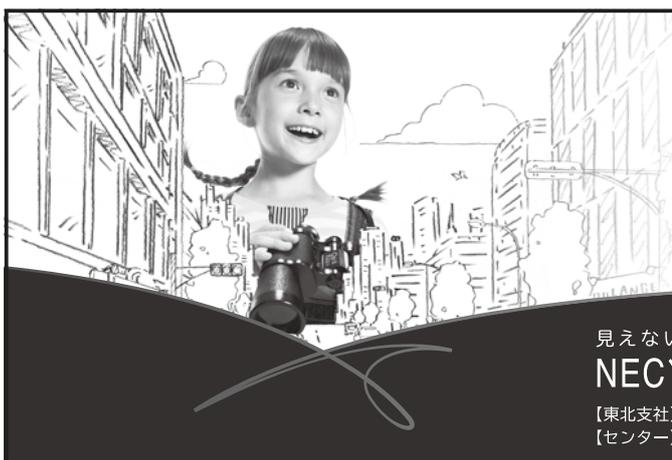
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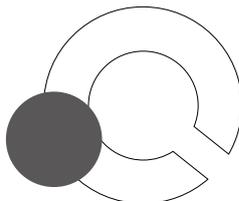
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