AIWEST-DR 2023 Conference report (2023/10/11-13)

Theme: 2004 Indian Ocean Tsunami, 2011 Great East Japan Earthquake, disaster risk reduction, international conference
Venue: Faculty of Psychology, Gadjah Mada University (Yogyakarta, Indonesia) and online
URL: https://aiwestdr.psikologi.ugm.ac.id/

Gadjah Mada University, University of Syiah Kuala, Sydney University, and IRIDeS held the 15th Aceh International Workshop and Expo on Sustainable Tsunami Disaster Recovery (AIWEST-DR2023) at Gadjah Mada University in Yogyakarta, Indonesia, on October 11-13, 2023. AIWEST-DR was established by the Tsunami and Disaster Mitigation Research Center (TDMRC) at Syiah Kuala University, Banda Aceh, Indonesia, with the aim to share lessons from the historic human suffering and infrastructure damage and reconstruction that followed the 2004 Indian Ocean Tsunami. The conference gathered more than 200 international and Indonesian participants in Yogyakarta and online. IRIDeS members, particularly Assoc. Prof. Anawat Suppasri (Tsunami Engineering Lab), Assoc. Prof. Erik Mas (Disaster Geo-informatics Lab), Assoc. Prof. Elizabeth Maly (International Research Collaboration Office), and Assoc. Prof. Sebastien Boret (International Research Collaboration Office) have been contributing to organizing the AIWEST-DR conference for several years.

Following opening remarks from Prof. Ova Emilia (Gadjah Mada University) and Prof. Marwan (Syiah Kuala University), the first day included a keynote lecture, titled Adaptive and Sustainable Resilient Society, by Prof. Dwikorita Karnawati (Director of BMKG and Gadjah Mada University), sharing research achievements about tsunami early warning systems focused on Yogyakarta. The following panel session included a dynamic discussion on the role of actors in building adaptive and sustainable resilience to disasters.

The second day began with a keynote speech from IRIDeS Director Prof. Shinichi Kuriyama (Disaster Public Health Lab), followed by a special session on inclusive disaster risk reduction, with the principal "Leave No One Behind," one of the main Sustainable Development Goals. The special session, organized by Assoc. Prof. Boret and moderated by Assoc. Prof. Maly, aimed at identifying gaps and promoting the inclusion of vulnerable groups across multiple areas and phases of disaster management. The session started with a special message from Ms. Miwako Takahashi, sharing the experiences she and her daughter Ms. Momoko Takahashi, as a severely disabled person, during the 2011 Great East Japan Earthquake. Following, there were six presentations from IRIDeS as well as a representative from ASB Indonesia and the Philippines (Worker's Samaritan Federation). The special session provided an opportunity to discuss inclusive disaster risk reduction in Japan and Indonesia for and with people with vulnerabilities. In parallel sessions, IRIDeS members and graduate students presented their research in 16 presentations in person and online.

AIWEST-DR 2023 was an opportunity to gather international researchers and experts from different countries again after the COVID-19 pandemic and share current advances in research on a variety of topics to deal with disaster risks. The conference also highlighted active international collaborations between all the participants and countries and learning from past disaster experiences. AIWEST-DR 2024, commemorating the 20 years anniversary of the 2004 Indian Ocean Tsunami, will be held on November 8-9, 2024, by the Tsunami Disaster Mitigation Research Center (TDMRC), Syiah Kuala University in Banda Aceh, Indonesia, to commemorate.

Text and Photos: Hyejeong Park (Disaster Medical Informatics Lab)
Ryo Saito (Cognitive Sciences Lab)
Yuta Hara (2030 Global DRR Agenda Office)
Miwako Kitamura (International Research Collaboration Office)
Elizabeth Maly (International Research Collaboration Office)
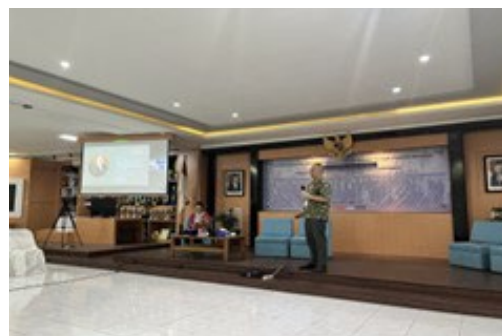Sebastien Boret (International Research Collaboration Office)

Presenters and titles from IRIDeS members in the special session and parallel sessions

1. Special session

	Representative presenters	Titles
Keynote	Shinichi Kuriyama	Overview and Featured Projects of the International Research Institute of Disaster Science (IRIDeS), Tohoku University
Special session (Organizer: Assoc. Prof. Sebastien Boret, Moderator: Assoc. Prof. Elizabeth Maly)	Leaving No One Behind: Disasters, Vulnerability, and Social Inclusion in Japan, Indonesia, and Their Partners	
	Miwako Kitamura	From Vulnerability to Resilience: Gender and Diversity in Disaster Reduction
	Sebastien Boret & Hyejeong Park	Disaster preparedness with and for people with disabilities
	Julia Gerster	Foreign residents, and disaster preparedness. Examples from Sendai City after the Great East Japan Earthquake
	Ryo Saito	Future Directions of School BOSAI Cocreation Class in Japan for Building a Resilient and Sustainable Society
	David Nguyen	Tourism and Disaster Resilience
	ASB Indonesia and the Philippines, DiDRRN	Disability-inclusive Disaster Risk Reduction in Practice: Views from the Frontliners

Keynote speech and a special session for Leaving No One Behind

2. Parallel session

No.	Representative presenters	Titles
1	Akihiro Shibayama	Sustainability Issues of Digital Archives of the Great East Japan Earthquake
2	Daisuke Sasaki	Measurement of Indicators of the Sendai Framework for Disaster Risk Reduction 2015-2030 at Local Level: A Case Study of Sendai City
3	Hyejeong Park	What Makes A Community Stronger in the Face of Disasters and Its Risks: A Case Study of a Small Community during the 2018 Heavy Rain and Floods in Western Japan
4	Julia Gerster	School Memorials as "Lieux de Mémoire" After The Great East Japan Earthquake
5	Liz Maly	Disaster Picture Books in Japan and the United States: An Inventory and International Comparison
6	Ryo Saito	Cocreation Phase-Free BOSAI Class in Triangle Model and its Digitalization: A Case Study in Elementary School in Japan
7	Sebastien Boret	The Temporality and Symbolic of Memory-Scape in Post-disaster Communities: A Study of the Monuments for the Victims of the Great East Japan Earthquake
8	Yuta Hara	How Does The Central Government Behave in The International Arena of Disaster Risk Reduction? Focusing on The Frequency of Statement Publication at The UN Global Platform for Disaster Risk Reduction
Graduate students		
9	Elisa Lahcene	Coral Reef Response in the Maldives during The 2004 Indian Ocean Tsunami
10	Muhammad Rizki Purnama	Tsunami Numerical Modeling and Its Applications
11	Sesa Wiguna	Building Damage Classification Using Remote Sensing and Domain Adaptation Approach for Rapid Assessment
Online		
12	Constance Chua	Developing Continuous Topo-bathymetric Elevation Models of Tsunami-prone Areas in Indonesia: A Focus Study on Bali Province
13	Erik Mas	Forecasting Spatial Population Distribution in Tsunami Hazard Zones Using Mobile Data
14	Kanako Iuchi	Unveiling The Rebuilding Progress in The Fifth Year Following The 2018 Central Sulawesi Earthquake and Tsunami
15	Kwanchai Pakoksung	Tsunami Resonance Characterization in Bay Due to An Earthquake-Triggered Landslide: A Case Study in Ambon Bay, Indonesia
16	Tomoki Nishida	A Study on Evacuation Decision-Making for Industrial Parks Using Numerical Tsunami Simulations at Sendai Port

IRIDeS group and presenters in the parallel sessions