

AIWEST-DR2019 Conference Report (2019/11/7-8)

Theme: 2004 Indian Ocean Tsunami, 2011 Great East Japan Earthquake, General disaster prevention
 Venue: International Research Institute for Disaster Science, Tohoku

IRIDeS and TDMRC held the 12th Aceh International Workshop and Expo on Sustainable Tsunami Disaster Recovery (AIWEST-DR2019) on November 7-8, 2019. AIWEST-DR has been created by the Tsunami and Disaster Mitigation Research Center (TDMRC) at Syiah Kuala University, Banda Aceh. The aim was to share the lessons from the historic human and infrastructural suffering and reconstruction that followed the 2004 Indian Ocean Tsunami. The 12th edition took place for the first time outside Banda Aceh notably celebrating Syiah Kuala University's collaboration with Tohoku University and other Japanese partners.

The conference gathered around 100 participants, many of which came from Indonesia. The first day consisted keynote lectures by the Rector of Syiah Kuala University and Dr. Yoshimi Nishi of Kyoto University, They respectively discussed the issues of the role of university and inter-cultural research within disaster science. Prof. Toshiya Ueki (Director / Vice President of the University) and Director Imamura led the signing ceremony for the renewal of Memorandum of Understanding between IRIDeS and the Mathematics and Informatics, and the new MoU between the Engineering Schools of Syiah Kuala and Tohoku University. The participants were also invited to take part in a Bosai stamp rally led by Ms Yasuda.

In the afternoon (11/7), the participants visited the 3.11 disaster areas of Arahama Elementary School in Sendai City and Yuriage, Natori City, both of which were heavily affected by the Great East Japan Earthquake. The following day of AIWEST consisted of 13 parallel session and 66 presentations by 66 presentation by disaster scientists from Taiwan, India, Europe, America, Malaysia, Indonesia and Japan.

The organizing committee (Liz, Erick, Anawat and Seb) would like to thank all their support staff at IRIDeS, their colleagues from TDMRC and all the participants for making AIWEST such a wonderful human and academic experience. They wish the very same success for the AIWEST 2020 to take place at the University of Indonesia in collaboration with the APRU program.

AIWEST-DR2019 Homepage for program and more info
<http://irides.tohoku.ac.jp/eng/event/aiwest-dr2019.html>



Opening Prof. Imamura



Rector of Syiah Kuala



Vice President, Prof. Ueki



Dr. Nishi, Kyoto University



Group Photo



Disaster Tour

Report by

Elizabeth Maly, Sébastien Boret (Disaster Information Management and Public Collaboration Division)
 and Erick Mas, Anawat Suppasri (Hazard and Risk Evaluation Research Division)

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Presentations from IRIDeS

(Names: First authors and IRIDeS members only)

No.	Name	Title
1	Constance Chua, <u>Anawat Suppasri</u>	Development of tsunami damage fragility functions for port infrastructure based on observations from the 2011 Tohoku tsunami
2	<u>Erick Mas</u>	Analysis of tsunami evacuation simulation with minimum congestion and higher survivability using reinforcement learning algorithm
3	<u>Kwanchai Pakoksung</u> , <u>Anawat Suppasri</u>	Tsunami simulation in the 28 September 2018 Palu bay, Indonesia, using Submarine landslide source and twolayer depth-integrated modeling
4	Luis Angel Moya, <u>Erick Mas</u>	Collapsed buildings due to the 2018 Sulawesi earthquake-tsunami from remote sensing data
5	<u>Kanako Iuchi</u>	Observation on grassroots efforts in the fisheries industry after the great east japan earthquake
6	Yasuhito Jibiki※	Exploratory Study For Strengthening Education Sectors For Responding To Complexities Due To Natch (Naturalhazard Triggered Technological Disasters) Disasters
7	<u>Julia Gerster</u>	The power of disaster theater in social recovery: school theater projects, Japanese paper theater and the Kataritsugi event in northeast japan after 3.11
8	<u>Daisuke Sasaki</u>	Intermediate function for reconstruction from disasters provided by local academic institutions: a case study in Banda Aceh
9	Miwako Kitamura, <u>Yasuaki Onoda</u>	Community-based disaster management example study of Otsuchi in Iwate prefecture
10	<u>Mari Yasuda</u>	Verification Of Whether The Children Can Improve The Preparedness For tsunami disaster By The Stamp Rally Game
11	<u>Elizabeth Maly</u>	Voices from communities relocated to Tacloban north after typhoon Yolanda
12	<u>Flavia Fulco</u>	Between local knowledge and disaster education: How Kataribe-Storytelling enhances disaster risk awareness and resilience
13	<u>Sebastien P. Boret</u>	Social lives of tsunami walls in japan: concrete culture, social innovation and coastal communities