

Disaster Risk Reduction: French-Japan Week in Tokyo (2017/10/2-6)

Topics: Tsunami, disaster prevention, international collaboration

Place: Maison Franco-Japonaise, French Embassy (Tokyo, Japan)

The French-Japan Week on Disaster Risk Reduction took place in Tokyo between October 2 and 6, 2017. The event was co-held at the French Embassy and the Maison Franco-Japonaise. Tohoku University organized three sessions on the “Scientific Advancement for Sendai Framework for Disaster Risk Reduction Contribution from Tohoku University”, including a half-day that took place at the International Institute for Disaster Risk Reduction in Sendai. IRIDeS members, Prof. Fumihiko Imamura (Director of IRIDeS), Prof. Motoyuki Sato, Dr. Anawat Suppasri, Dr. Kazuhisa Goto, and Dr. Sébastien P. Boret participated the event.

- Sedimentary signature of paleo-tsunamis (Dr Kazuhisa Goto, Tokyo)
- Workshop on GPR measurement of active faults/tsunami (Prof Motoyuki Sato, Tokyo)
- Tsunami and DRR Innovation Workshop (Prof Imamura, Dr Anawat Suppasri, Dr Sébastien P. Boret, Mrs Julia Gerster, Tokyo and Sendai)

More information: <http://www.fri.niche.tohoku.ac.jp/workshop2017/index.html>

1. What is the 2017 French-Japan Week on DRR?

In Japan and in France, natural risks threaten population and strategic facilities such as power plants and public transport networks. This is why it is important to understand these risks in order to prevent them and minimize their damage.

Scientific cooperation is a key element to tackle this issue that deals with various scientific fields. In this regard, the Third United Nations World Conference on Disaster Risk Reduction, held in Sendai in 2015, was an important milestone that built an international framework for the disaster risk reduction. In this context, France and Japan could foster their cooperation in order to better understand disaster risk by sharing their scientific outcomes. The aims are to gather French and Japanese scientists from various fields around:

- **A symposium** aiming to present the main actors and topics of the French- Japanese cooperation on disaster risk reduction on Monday, October 2nd.

- **Several workshops** held in Japan during the same week from Tuesday, October 2nd to Thursday, October 5th.

- **Visits** in Japan of tsunami-affected areas as well as facilities and institutions on Friday, October 6th (*by invitation only*), open campus of Tohoku University on October 7-8.

More information: Overview on French-Japanese cooperation on disaster risk reduction

<http://dr.science-japon.org>

2. Tsunami and DRR Innovation Workshop 2017

The fourth edition of the workshop series was inaugurated in 2012 by tsunami specialists from Japan and France, many of whom are based in Tohoku University and Lyon University. On this occasion, they discussed their scientific progress and their applications towards disaster prevention and reduction. The event consisted in 15 presentations to which around 80 people participated.

<http://www.fri.niche.tohoku.ac.jp/workshop2017/program.html>

Session 1 Fluid dynamics of tsunami and structure for energy dissipation

1. Hiroshi ASANUMA, Chiba University; Recent Progress in Disaster Mitigation and Sustainable Engineering Based on Smart Structures

2. Jun ISHIMOTO, Tohoku University; Coupled Multiphase Fluid-Structure Interaction Supercomputing for Tsunami and Flood Damage Mitigation

3. Nicolas RIVIERE, INSA-Lyon; Estimation of the inland flow resistance through an urbanized area following a tsunami event

Session 2 Detection, Alert, and real-time monitoring

1. Yoshihito TANAKA, Chubu Electronic Company, Japan; Development of the Tsunami Observation and Prediction System

2. Helene HEBERT, TANDEM; Tsunamis in the Atlantic and the English Channel mainland: lessons from Tohoku 2011 for a better hazard assessment in mainland France

3. Nicolas WIHLELM, Thales Alenia Space; Global Emergency Warning Service based on Galileo
4. Tomohiro KOKOGAWA, NTT Secure Platform Laboratories, Joint Emergency Management ; ICT-supported Response and Recovery Management for All Hazards

Session 3 Safety at nuclear power plant in Japan and France

Chair; Tetsuo SHOJI

1. Toshimichi KANETO, TEPCO (Tokyo), Japan; Re-evaluation of the design basis tsunamis for Kashiwazaki-Kariwa Nuclear Power Plant
2. Jun TAKAHASHI, Tohoku Electronic Company, Japan; Tsunami Evaluation and Measures at Onagawa Nuclear Power Station
3. Fumihiko IMAMURA, Tohoku University; Re-examination of the tsunami affected Fukushima Daiichi with the revised fault model

Chair; Sebastien P. BORET

Session 4 Crisis management and reconstruction/BBB (build back better) at IRIDeS hall meeting

1. Mr. KOMASTU, Onagawa Town; Reconstruction at Onagawa
2. Sebastien P. Boret, IRIDeS Tohoku Univ.; The Roles of Archiving in DRR: The Case of the Great East Japan Earthquake
3. Kenichi NOE, Tohoku University; ELSI after 3.11
4. Yoshihito OZAWA, Fukushima University; Reconstruction and future plan in Fukushima
5. Ms. SEKI, "HARU"-Reconstruction Team of TOHOKU University-; Student volunteer group "HARU" activity report on the Great East Japan Earthquake

<https://www.mfjtokyo.or.jp/events/co-sponsored/20171002.html>



Opening address by the French Embassy



French Minister of Higher Education



Group Photo at the Tsunami and DRR Innovation WS

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