

**The 3<sup>rd</sup> Association of Pacific Rim Universities (APRU) Multi-hazards  
Campus Safety Workshop**

*~Risk assessment on campus with an all-hazards approach: addressing and understanding  
the risks of natural and man-made hazards~*

**Dates:** February 12-15, 2020

**Venue:** International Research Institute of Disaster Science (IRIDeS), Tohoku University in  
Sendai, Japan

**CONTEXT**

The APRU Multi-hazards program has been emphasizing the importance of disaster preparedness/management on campus since 2016. The Sendai Framework for Disaster Risk Reduction 2015-2030 highlights the need to better understand both natural and man-made hazards and has a wider scope covering all types of disaster risks caused by natural or man-made hazards, including biological, technological, and environmental hazards. The number and magnitude of man-made disasters has risen worldwide since the 1970s and they continue to increase in both frequency and impact on human wellbeing and national economies.

At the Campus Safety Workshop held at the International Research Institute of Disaster Science (IRIDeS), Tohoku University in 2016 and 2018, the major focus was natural disasters. The workshop discussed the role of university leaders, the need for a disaster management plan and a coordination body in case of emergencies, and a minimum checklist for preparedness. However, concerns about man-made hazards (in addition to natural hazards) and an all-hazards approach are increasing. Knowledge in this area is needed to manage these risks and universities have an important role to play.

*In this workshop, the man-made hazards mainly include:*

- *Natech (natural hazards triggered technological hazards)*
- *Chemical/industrial hazards*
- *Nuclear and radiological hazards*
- *Transport hazards*

*(UNISDR [2018], Words into Action Guidelines: Man-made and Technological Hazards)*

**OBJECTIVES:**

This workshop aims to help participants understand the natural and man-made disasters and their similarities and differences (particularly in preparation and response), learn how to conduct a comprehensive disaster risk assessment using an all-hazards approach in their universities, and discuss how to prepare for and respond to these disasters as universities.

**EXPECTED OUTCOME:**

The participants understand the importance of an all-hazards approach and gain knowledge and skills on risk assessment for their universities

**AGENDA (Tentative)****February 12 (Day 1): Sharing knowledge and case studies**

09:30-09:40	Opening and Group photo
09:40-09:50	Introduction of the participants
09:50-10:15	Review of the last workshops, APRU and objective of this workshop
10:15-11:15	Natural disasters vs. Man-made disasters
11:15-11:30	Coffee break
11:30-12:30	Definition of man-made/CBRNE disasters
12:30-13:30	Lunch
13:30-14:30	Risk assessment: All-hazards approach and different models
14:30-15:00	Discussion
15:00-15:15	Coffee break
15:15-15:45	Case study 1
15:45-16:15	Case study 2
16:15-16:45	Case study 3
16:45-17:15	Case study 4

**February 13 (Day 2): Managing disaster risks**

09:30-09:45	Reflection on Day 1
09:45-12:00	Group work: Risk assessment
12:00-13:00	Lunch
13:00-15:00	Group presentations and discussion
15:00-15:15	Coffee break
15:15-16:15	How should universities address the man-made disaster risks and how should they respond to and prepare for these risks?
16:15-17:15	Discussion

**OPTIONAL SITE VISIT February 14-15 (Days 3-4): a tour to the affected areas damaged by GEJET in Miyagi Prefecture. *The tour fee will be approximately USD 130-200 including accommodation, transportation and meals depending on the participants' flight/departure schedule from Sendai.***