

Lecture for the Tohoku University STEM Summer Program (2025/6/24)

Theme : Disaster science, Education, International exchange

Venue : International Research Institute of Disaster Science

On Tuesday, June 24, 2025, a class was held at the International Research Institute of Disaster Science (IRIDeS) as part of the Tohoku University STEM Summer Program (TSSP). This program is held annually at Tohoku University to welcome students from universities in the United States and the United Kingdom. This year, 30 students participated from institutions such as the University of Washington, Pennsylvania State University, University of California, University College London, University of York, and University of East Anglia.

In the first half of the class, Associate Professor Yo Fukushima (Inland Earthquake and Volcano Lab) gave a lecture titled "How earthquakes and tsunamis occur." He explained the mechanisms behind earthquakes and tsunamis, presented observational data from the 2011 Great East Japan Earthquake and Tsunami, and discussed the findings derived from data analysis.

In the latter half, Associate Professor Fukushima gave an overview of IRIDeS, followed by presentations by Associate Professors Elizabeth Maly (International Research Collaboration Office) and Sébastien Boret (Inclusive Disaster Risk Reduction Lab), who each shared their professional experiences and introduced their current research themes.

The class and research presentations were followed by an active Q&A session, demonstrating the high level of interest among the participants. The event provided a valuable opportunity for deepening understanding of the institute's work and of disaster science in Japan.



Lecture by Assoc. Prof. Fukushima



Assoc. Prof. Maly



Assoc. Prof. Boret

Report by: Yo Fukushima (Inland Earthquake and Volcano Lab)