

IUGS-SCJ-IRIDeS Geohazard Symposium in Sendai, Japan

TGG supported organization of the IUGS-Science Council of Japan (SCJ)-International Research Institute of Disaster Science (IRIDeS) Geohazard Symposium in Sendai and field excursion around the Sendai Plains, Tohoku, Japan, 13-14 Nov., 2018.

Symposium on 13 Nov., 2018

Approx. 30 people from IUGS, SCJ and IRIDeS attended the seminar and discussed geological investigation of tsunami, disaster mitigation research, activities of TGG and Geohazards risk sciences.



View of the symposium on 13th Nov., 2018.

Symposium Agenda

Moderators: Hiroshi NISHI (Tohoku Univ., SCJ member) and Hiroshi KITAZATO (IUGS Treasurer, Tokyo University of Marine Science and Technology, SCJ member)

Welcome address by Dr. Fumihiko IMAMURA (Director, IRIDeS, Tohoku University)

Drs. GOTO, Kazuhisa and Fumihiko IMAMURA (IRIDeS, Tohoku Univ.): Geological investigations of Tsunami -- Toward understanding disaster risk reduction from Tsunamis--

Dr. IZUMI, Takako (IRIDeS, Tohoku Univ.): Disaster Mitigation Research: APRU multi-disaster reduction activities

Dr. OKUBO, Yasukuni (TGG chair, SCJ member) and SUPPASRI, Anawat (IRIDeS, Tohoku University): Activity Report from Geohazard Task Group, IUGS

Dr. CHENG, Qiuming (President, IUGS): IUGS and Geohazard Risk Sciences

Free discussion among IUGS Bureau members and Japanese National Committee members of IUGS and IRIDeS, Tohoku University.

Closing remarks by Dr. Gaku KIMURA (Council Member of SCJ, Tokyo University of Marine Science and Technology)

Field excursion around the Sendai Plains on 14 Nov., 2018

Dr. Kazuhisa Goto guided the field excursion and introduced tsunami events in the Sendai region.

The stripped geological column collected by Dr. Goto, Tohoku Univ., from an archeological trench shows three tsunami events around the Sendai Plains.

The first oldest event is the tsunami by the 869 Sanriku earthquake on 9 July 869. The latest event is the 2011 earthquake off the Pacific coast of Tohoku and tsunamis on 11 March 2011.

Between the two great earthquakes, the 1611 Sanriku earthquake occurred on December 2, 1611 and tsunamis attacked Sendai and its surrounding areas.

After the shock, Date Masamune, a powerful feudal lord in the Tohoku region, planted pine trees the along the coasts of Sendai district to protect them. The stripped geological column includes pollen of the pine trees residing in the layer above the 1611 tsunami deposits. This implies that the pine trees were planted just after the tsunami.



Dr. Goto points the evidence of pollen of the pine trees residing in the layer just above the tsunamis deposits of 1611.