

Report on the field trips during and after JpGU-AGU meeting, May 2017 by Yujiro Ogawa

- December 8, 2017

Two field trips were held, one during and another after the JpGU-AGU meeting, May 2017.

The first trip was held on 22nd of May 2017 for Boso Peninsula. We have four attendees in addition to the leader Y. Ogawa, three from Republic of Korea, including Prof. Kim Young-Seog from Pukyong National University, Busan, and his two PhD students, and Chairman of IUGS TG Geohazard Dr. Yasukuni Okubo. We visited the active fault (Enmeiji fault), and coastal terraces of the southern tip of Boso Peninsula, which is one of the hazardous tectonic places of rapid uplifting rate. We also visited a large submarine slide deposits of Pliocene age. We finally visited the Nojima cape where is connected with the main land during the last 1703 Genroku mega earthquake of subduction type (M 8.2).



On the Enmeiji active fault.



Large-scale submarine landslide deposits of Pliocene age.

The second trip was held from 26th of May to 3rd of July with the vice-chairman of our TG, Prof. Y. Dilek from Miami University, lead by Y. Ogawa. We visited the coastal areas of Shikoku where historical mega-earthquakes attacked periodically every 200 to 400 years with the results of several coastal terraces. Government prepared many "tsunami towers" on the coast lines for refugees. Also there are many signals for the people when a large earthquake hits to notice the coming tsunamis to people. We also mapped the accretionary prisms of Cretaceous to Miocene ages that were exhumed due to the Quaternary tectonics. We discussed on the tectonics and hazards with the researchers and students from Kochi University. We also visited the Kochi Core Laboratory of JAMSTEC and University, and discussed on the future plan against the geodisasters with the director of University Laboratory, Prof. H. Tokuyama.



Miocene accretionary prism and Kochi University researchers and students.



Tsunami tower at Aki.



Prof. Y. Dilek and Prof. H. Tokuyama, Kochi University Laboratory.