
Oral | Symbol H (Human Geosciences) | H-SC Social Earth Sciences & Civil/Urban System Sciences

[H-SC25_30AM1] Human environment and disaster risk

Convener: *Tatsuto Aoki (School of Regional Development Studies, Kanazawa University), Yasuhiro Suzuki (Nagoya University), Mamoru Koarai (Geographic Information Analysis Research Division, Geography and Crustal Dynamics Research Center, Geographical Survey Institute), Toshihiko Sugai (Department of Natural Environmental Studies, Institute of Environmental Studies, Graduate School of Frontier Science, The University of Tokyo), Hiroshi Une (Geospacial Information Authority of Japan), Yoichi Nakamura (Department of Earth Sciences, Utsunomiya University), Jun Matsumoto (Department of Geography, Tokyo Metropolitan University), Shintaro Goto (Department of Environmental Systems Faculty of GEO-Environmental Science Ritssho University), Keitarou Hara (Faculty of Informatics, Tokyo University of Information Sciences), Chair: Tatsuto Aoki (School of Regional Development Studies, Kanazawa University)

Wed. Apr 30, 2014 9:00 AM - 10:45 AM 421 (4F)

This session discusses disaster risks being inherent in the natural and human environment, which sometimes happen to appear at a disaster, from the viewpoint of not only natural sciences but also social and human sciences. Examples of discussion subjects are as follows: uncertainty of forecasting disaster and problems of huge disaster with low frequency that raised from the 2011 Tohoku earthquake, the methodology for improving hazard maps, national recovery plans considering probable changes or sustainability of the society, international cooperation for disaster mitigation, problems of active faults or liquefaction, adjusting disaster mitigation plan to the regional characteristics, technical development for supporting disaster prevention, education for the disaster mitigation.

10:15 AM - 10:30 AM

[HSC25-P05_PG] Disaster risk reduction workshop utilizing GIS and Saba-meshi: A practice of the Department of Geography, Oita Univ.

3-min talk in an oral session

*Takushi KOYAMA¹, Haruhiro DOI¹, Maya MORIMATSU², Shoichiro UCHIYAMA³ (1. Department of Geography, Oita University, 2. Nihon Suido Consultants Co. Ltd., 3. NIED)

Keywords: Geographic Information System, Saba-meshi, Disaster risk reduction workshop, The 2011 off the Pacific coast of Tohoku Earthquake, Students intending school teachers, Oita Prefecture

The Department of Geography at Oita University held a disaster risk reduction workshop on November 3, 2013, for schoolchildren and their parents (A total number of participant was fifty one). The purpose of the event was to motivate the schoolchildren and their parents to aware of a disaster prevention and reduction in their daily life. The event consisted of the following two experiences: drawing a map using a geographic information system (GIS), and cooking rice using two 350ml aluminum cans and three 1L milk cartons (*Survival Meshitaki*). *Survival Meshitaki* is called *Saba-meshi* for short, and it is material for teaching about disaster prevention through practical experience. After the event, the participants were requested to respond the questionnaires in order to evaluate the event. The results of the questionnaire showed that we received high evaluations from many participants on the experiences offered at the event. Therefore, we were able to raise the participants' awareness of disaster prevention and disaster reduction. Furthermore, thirteen university students, who intend to become schoolteachers, participated the event as assistant staffs. They acquired in advance the fundamental skills of GIS and *Saba-meshi* by a preliminary training workshop. These are useful skills in the field of school education. The event, in

conclusion, has given the participants and the students intending to be schoolteachers' very effective experiences and practical knowledge respectively and the experience-based event such as this workshop is worth to be held repeatedly.