

Nuclear Power and Geoscience in Japan: 10 years after the 3.11 complex disaster

*Daisuke Suetsugu¹, Satoshi Kaneshima², Takeshi Sagiya⁴, Kohta Juraku³

1. institute for Marine Geodynamics, Japan Agency for Marine-Earth Science and Technology, 2. Department of Earth and Planetary Sciences, Kyushu University, 3. Department of Humanities, Social and Health Sciences, School of Engineering, Tokyo Denki University, 4. Disaster Mitigation Research Center, Nagoya University

We have organized sessions in the JpGU meeting on the risk of nuclear power utilization in Japan mainly from the point of view of geoscience since 2013. It has shed new light on various aspects of the risk of nuclear power related to earthquakes, volcanic activities and tsunamis. The 2021 JpGU meeting will be held 10 years after the 3.11 complex disaster: the Great East Japan Earthquake with the Fukushima-Daiichi nuclear accident. On this occasion, we review what we have discussed and understood through the past sessions or public debates: What should geoscience take the stance on the issue of scientific uncertainty and nuclear risk? How could scientists and engineers work together for public goods?

Keywords: Nuclear power plants, Geoscience