
[J] Oral | M (Multidisciplinary and Interdisciplinary) | M-AG Applied Geosciences

[M-AG38]Ten years after the Fukushima Dai-ichi NPP Accident : Dynamics of radionuclides in the environment

convener:Daisuke Tsumune(Central Research Institute of Electric Power Industry), Yuichi Onda(Center for Research on Isotopes and Environmental Dynamics, University of Tsukuba), Kazuyuki Kita(Faculty of Science, Ibaraki University), Yoshio Takahashi(Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo), Chairperson:Yoshio Takahashi(Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo), Kazuyuki Kita(Faculty of Science, Ibaraki University)

Sun. Jun 6, 2021 3:30 PM - 5:00 PM Ch.09 (Zoom Room 09)

Ten years have passed since the accident at the Tokyo Electric Power Company (TEPCO) Fukushima Daiichi Nuclear Power Station (NPP), which was triggered by the Great East Japan Earthquake and tsunami. Huge amount of radionuclides were emitted to the environment by the accident. They have been transported and diffused by atmospheric motion, depositing them to soil and vegetation. Deposited radionuclides are dynamically shifted in the earth environment; atmosphere, soil, inland water, ocean, and ecosystem. To understand this dynamic shift in the environment and for the long-term prediction of the disaster by the radionuclides, investigation and discussion based on not only the earth sciences including ecology but also on the radiochemistry and other related sciences. This session focus on various efforts to understand the dynamic behavior of radionuclides emitted from FDNPP accident in the earth system as well as to predict their influences on the environment, furthermore, to develop as global migration studies by generalization. It is expected that this session will offer a good opportunity to summarize the research activities of the past ten years and deepen the discussion on cross-disciplinary research issues for the next ten years.

4:45 PM - 5:00 PM

[MAG38-12]Discussion