Monday, November 4, 2013

1:00 PM-4:00 PM

Marriott Tampa Waterside, Room 8

Battles of Soil Scientists in Fukushima, Japan

Organizers:

Kosuke Noborio, *Masaru Mizoguchi and Clifford T Johnston

*The president of Japanese Society of Soil Physics

SSSA Division: Soil Physics

Cosponsor(s):

Soil Chemistry, Soil Mineralogy, Soils & Environmental Quality

Introductory Remarks

- Two serious issues in Fukushima Daiichi nuclear power plant
  - Leakage of contaminated groundwater
  - Decontamination of farmland

- Correct information from Japan
  - Reaction of media and researchers outside of Japan
  - Correct understandings about Fukushima
- Battles of soil scientists in Fukushima
  - Collaboration among researchers, NPO and Residents
- Interim reports of our activities

141-Program 13:00-16:00

- 1 Radioactive Fallout Removal From the Surface Soils By Enhancing Vertical Transport With Artificial Macropores. (Field Experiment)
- 2 Application Of a Simple Device To Measure The Vertical Distribution Of Radiocesium Concentration In Soil, Fukushima. (Device development)
- 3 Research As a Volunteer - A Case Study Of The Resurrection Of Fukushima-. (Collaboration system)

Additional information

- 5 Field Monitoring and Application Of WEPP Model For Sediment and Radiocesium Movements In Fukushima. (Model)
- 6 Colloid Facilitated Transport of Radioactive Cesium in a Fukushima Soil. (Mechanism)
- 7 Role of Clay Minerals in Controlling the Fate and Transport of Radioactive Cs in the Soils of Fukushima. (Theory)

Additional information

- 9 Recovering Soil Fertility After Stripping the Cs Contaminated-Top Soil Off At Iitate Village in Fukushima Prefecture. (Field Experiment)
- 10 Burial Experiment of Soil Contaminated By Radiocaesium At a Paddy Field in Iidate Village, Fukushima Prefecture. (Field Experiment)
- 11 Estimation of Soil Freezing Date Using Air Temperature Remotely Measured. (Estimation)

Let’s enjoy this session!