Japan Geoscience Union Meeting 2012 (May 20-25 2012 at Makuhari, Chiba, Japan)

©2012. Japan Geoscience Union. All Rights Reserved.

MAG34-P12

Room:Convention Hall



Time:May 24 17:15-18:15

'Sedimentology' of radioactive cesium under water

NAKAMURA, Ko-ichi1*

¹National Institute of Advanced Industrial Science and Technology (AIST)

For the purpose of establishing proper countermeasures on the radionuclide-concentrated sediments we need to have accurate understanding on the sedimentation and remobilization mechanisms of radionuclides in water. The background of distribution coefficients of radioactive cesium between aqueous phase and particle phase for non-conservative radionuclides dispersion model are examined.

Keywords: flocculation, adsorption, aggregate, decomposition of organic matters, radioactive cesium