



Memorandum

Datum: 23.9.2014
Von J. Tits
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An: LES, J. Eikenberg, ENSI, Nagra
cc:

Einladung zu einem ausserordentlichen LES Palaver

Ich lade Sie herzlich ein.

Referent: Prof. Clemens Walther
Institut für Radioökologie und Strahlenschutz Leibniz
Universität Hannover

Thema: From Fukushima to the disposal of radioactive waste in Germany -
Radioecology at the IRS Hannover

Zeit: Dienstag, 7. Oktober 2014, 15:00 Uhr

Ort: Sitzungszimmer, OFLG 402

(the talk will be held in German)

Abstract

The Institute for Radiation Protection and Radioecology (IRS) works on detection of radionuclides in the environment, dose assessment due to exposure to anthropogenic and natural radionuclides, radiation protection, and in the training of radiation protection. Research focuses on analysis of environmentally relevant radionuclides, particularly distribution of ^{129}I / ^{131}I in Germany and the North Sea and dose estimations due to ^{137}Cs , ^{90}Sr and Pu contamination in the Ukraine and in Fukushima. Investigation of migration pathways are performed with state of the art analytical methods including laser spectroscopy and mass spectrometry down to speciation on the microscale. To this end ultra sensitive methods are developed in house.

In the framework of the disposal of high level nuclear waste IRS is part of the interdisciplinary integrated project ENTRIA analyzing radioactive waste management subjects from the viewpoint of all involved academic disciplines such as natural sciences, engineering, arts, law and social science. IRS also participates in the FP7 project ASGARD investigating stability of Gen IV future nuclear fuels.

Freundliche Grüsse

J. Tits