IJColloquium

Vendredi 13 juin 2025
10h30
Café accueil à 10h
Auditorium Pierre Lehmann-bât. 200

Ole Christian Lind

Norwegian University
of Life Sciences
Ås, Norway

Ole Christian Lind

Ole Christian Lind is currently Professor at Norwegian University of Life Sciences and is chairing Research Theme 5 of the Norwegian Nuclear Research Center (NNRC). From 2018-2023, he served as Research Director of Centre of Environmental Radioactivity (CERAD CoE). He has 28 years of experience within environmental chemistry and environmental radioactivity, his main expertise being speciation and source identification of radionuclides and trace elements using advanced techniques such as synchrotron radiation based micro- and nano-focused x-ray techniques. In recent years he has also been focusing on environmental impact and risk assessments involving environmental transport and ecosystem transfer modelling as well as biological responses including from multiple stressor exposures. He has participated in numerous field work campaigns across the world.

Focused research to reduce the overall uncertainties in radioecological models

There is a multitude of past, present and future sources of radioactivity that have contributed, are still contributing, or have the potential to contribute to radioactive contamination of the environment. To protect man and the environment from exposure, impact and risk assessments are essential. Radioecological models used to make predictions of the radionuclide distribution in environmental compartments, radionuclide fluxes and radiation exposures must be sufficiently robust and fit for purpose with uncertainties reduced as much as reasonable. A series of factors will contribute to the overall uncertainties of model outputs. This seminar focuses on research performed to quantify and reduce uncertainties in various models with emphasis on radionuclide speciation and the use of state-of-the-art analytical techniques.

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