

## TERRITORIES Workshop on: Key factors contributing to uncertainties in radiological risk assessment

14-15 November 2017, Oslo (Norway)

### DRAFT PROGRAMME

*The objective of this workshop is to discuss the key factors contributing to overall uncertainties when linking deposition and ecosystem transfer to human and ecosystem radiological impact and risk assessment models, obtaining feedback from modellers, experimentalists and stakeholders.*

Time	Lecturer	Title
<b>November 14<sup>th</sup>, 2017</b>		
09:00	<i>Coffee/Tea</i>	
<b>Session 1: Uncertainties in monitoring data and other data of importance for models (Chair: Lindis Skipperud)</b>		
10:00 – 10:10	Lindis Skipperud (NMBU)	Welcome and scope of the workshop
10:10 – 10:40	Martin Steiner (BfS)	Interaction between experimentalists and modellers
10:40 – 11:10	Brit Salbu (NMBU)	Uncertainties in radionuclide source term
11:10 – 12:40	Group work	<b><i>How can we improve uncertainties associated with data input?</i></b>
12:40 – 13:00	Group work reports and discussion	
13:00 – 14:30	<i>Lunch</i>	
<b>Session 2: Uncertainties in models (Chair: Brit Salbu)</b>		
14:30 – 15:00	Martin Steiner (BfS)	Overview of modelling uncertainties
15:00 – 15:30	Juan Carlos Mora (CIEMAT)	Analysis/discussion of the uncertainty budget and the different contributions to the total uncertainty – a case study using CROM-8 (CROMERICA)
15:30 – 16:00	<i>Coffee and tea</i>	
16:00 – 16:30	Justin Brown (NRPA)	Attempting to deal with uncertainties within the ERICA integrated approach
16:30 – 17:00	Marko Kaasik	Detailed overview of HARMO model including uncertainties

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<b>Session 2: Uncertainties in models – cont. (Chair: Justin Brown)</b>		
09:00 – 09:30	Ari Ikonen	Uncertainties and their management in conventional radionuclide transport and dose assessment models for nuclear waste management
09:30 – 10:00	Ulrik Kautsky	Ecosystem approach in the assessment of radioactive waste
10:00 – 10:30	Rodolfo Avila	Probabilistic analyses, sensitivity and uncertainty and analyses, Bayesian methods
10:30 – 11:00	<i>Coffee and tea</i>	
11:00 – 12:30	Group work	<b><i>Which uncertainties can be improved by modelling?</i></b>
12:30 – 13:00	Group work reports and discussion	
13:00 – 15:00	Lunch	
<b>Session 3: Reducing uncertainties: How far should we go/can we go? (Chair: Juan Carlos Mora)</b>		
15:00 – 15:30	Jordi Vives i Battle (SCK•CEN) -by videolink	Applicability and limitations of available radioecological models
15:30 – 16:00	Joanne Brown	Are terrestrial environmental transfer models reliable enough for long-term radiological assessment of public health risks from contaminated land?
16:00 – 16:30	<i>Coffee and tea</i>	
16:30 – 17:30	Group work	<b><i>How do we reduce the overall uncertainties in impact and risk assessment?</i></b>
17:30 – 17:50	Group work reports and discussion	
20:00	Social GET-TOGETHER/DINNER, (sponsored by Center for Environmental Radioactivity CERAD, Norway)	