



## Workshop: CONFIDENCE: Do Process-Based Models have a role in human food chain assessments

### AGENDA

Time	Title/session	Presenter
<b>Monday 9th September</b>		
12:30	<i>Tapas lunch available - if prebooked</i>	
	<b>Radionuclide modelling in the human foodchain</b>	<b>Chair: Deborah Oughton (NMBU)</b>
13:30	Welcome and introductions	Almudena Real (Ciemat, Spain)/Nick Beresford (CEH, UK)
13:45	Introduction - process based modelling and purposes of the workshop	Nick Beresford (CEH, UK)
14:00	FDMT - A typical foodchain model	Gerhard Pröhl (Germany)
14:30	CONFIDENCE - adapting FDMT - uncertainty and regionalisation	Ali Hosseini (DSA, Norway)/Danyl Perez (CIEMAT, Spain)
15:00	<i>Coffee</i>	
15:30	CONFIDENCE - Radioactive particle characteristics: source term and input to FDMT	Ole-Christian Lind (NMBU, Norway)/Ali Hosseini (DSA, Norway)
16:00	Application of FARMLAND model to Fukushima dose assessment	Justin Smith (PHE, UK)
16:30	Breakout: Topic: current modeling approaches - fit for purpose?	
17:15	Breakout feedback & discussion	
17:45	Close	
	<i>Optional evening meal (attendees pay)</i>	
<b>Tuesday 10th September</b>		
	<b>Processed based models</b>	
09:00	Uncertainties in radiation protection	<b>Chair: Steve Lofts (CEH, UK)</b>
09:30	Predicting radiocaesium transfer in the agricultural foodchain	Simon French (University of Warwick, UK)
10:15	CONFIDENCE - developments in process-based models for Cs	Neil Crout (University of Nottingham, UK)
10:45	<i>Coffee</i>	Talal Almahayni (SCK•CEN, Belgium)
11:15	Modifying Absalom model for predicting radiocaesium transfer to paddy rice in Japan	Eguchi Sadao (NARO, Japan)
11:45	Risk maps as a decision-making tool in nuclear accidents affecting agricultural areas	Blanca García-Puerta (CIEMAT, Spain)
12:05	Behaviour of Radionuclides in Arid and Semi-Arid Environments for Radiological Environmental Impact Assessment. Do we know enough?	Andra Iurain (IAEA, Siebersdorf) & Tamara Yankovich (IAEA, Vienna)
12:25	Discussion	
12:45	<b>LUNCH</b>	
		<b>Chair: Talal Almahayni (SCK•CEN, Belgium)</b>
13:45	CONFIDENCE developing a processed based approach for Sr	Steve Lofts & Nick Beresford (CEH, UK)
14:25	Measuring (and modelling) Sr dynamics in soils using stable isotopes	Yifu Tong (University of Nottingham, UK)
14:40	A regulators perspective on process based models	Martin Steiner (BfS, Germany)
15:00	<i>Coffee</i>	
15:15	Processed based models for non-radiological pollutants	Steve Lofts (CEH, UK)
15:45	Breakout: Process based models - useful to end users or not?	
16:45	Breakout feedback & discussion	
17:30	Close	
	<i>Optional evening tapas (funded by CONFIDENCE)</i>	
<b>Wednesday 11th September</b>		
	<b>Research priorities in human foodchain research</b>	
		<b>Chair: Nick Beresford (CEH, UK)</b>
09:00	Human foodchain priorities as previously identified by the ALLIANCE	Nick Beresford (CEH, UK)
09:15	I-131 studies in CONFIDENCE	Deborah Oughton (NMBU, Norway)
09:30	Intervariatal variation in Cs and Sr uptake by crops	Neil Crout (University of Nottingham, UK)
09:45	Nonlinear transfer of elements: impact on radioecological modeling	Päivi Roivainen (STUK, Finland)
10:00	Phylogenetic models - do they work for crops?	Nick Beresford (CEH, UK)
10:15	Semipalatinsk Nuclear weapons test site - radionuclide transfer to crops and farm animals	Zhanat Baigazinov (Institute of Radiation Safety and Ecology, Kazakhstan)
10:45	<i>Coffee</i>	
11:00	Human foodchain research priorities - Ukraine (Valery Kashparov (UIAR, Ukraine))	Nick Beresford (CEH, UK)/Deborah Oughton (NMBU, Norway)
11:20	Wet deposition of radionuclides onto food crops: foliar uptake, retention and translocation	Antonella Cristina (SCK•CEN, Belgium)
11:40	FORESTLAND a process oriented forest foodchain model	Sergey Fesenko (RIAR, Russia)
12:10	The consumption of locally-produced foodstuff: an important parameter of the radiological exposure	Vanessa Durand (IRSN, France)
12:25	Breakouts - priorities for human foodchain research	
13:15	Breakout feedback & discussion	
13:40	The MODARIA II programme	Joanne Brown (IAEA, Vienna)
13:50	Close	CONFIDENCE WP3
14:00	<i>Tapas lunch available - if prebooked</i>	