



COMET FINAL EVENT

25 – 27 April 2017, Bruges, Belgium

Tuesday, 25 April 2017

9.00 – 9.15 hrs | Welcome and introduction, Hildegard Vandenhove, SCK•CEN & André Jouve, EC

Strengthening and integrating radioecology in Europe, Chair: Maarit Muikku, STUK

9.15 – 9.45 hrs | Research and development at the core of radioecology, Jacqueline Garnier-Laplace, IRSN

9.45 – 10.25 hrs | Radioecological observatory sites, an interesting research instrument

- The Chernobyl exclusion zone, Nick Beresford, CEH
- The Fukushima radioecological observatory in Yamakiya, Hirofumi Tsukada, Fukushima University
- The Upper Silesian coal basin observatory site, Boguslaw Michalik, GIG
- Opportunities for research at the Belgian NORM observatory site, Nathalie Vanhoudt, SCK•CEN

10.25 – 10.45 hrs | The NORM Roadmap working group: NORM with respect to long-term human and environmental protection, Boguslaw Michalik, GIG

10.45 – 11.15 hrs | Discussion/conclusions/perspectives

11.15 – 11.45 hrs | Coffee break

Knowledge exchange, Chair: Nick Beresford, CEH

11.45 – 12.05 hrs | Education & Training – creating talent, Lindis Skipperud, NMBU & Clare Bradshaw, SU

12.05 – 12.35 hrs | Summary of COMET workshops: The “Chernobyl Example”, Nick Beresford, CEH; David Coplestone, University of Stirling; Christelle Adam-Guillermin, IRSN; Catherine Lecomte, IRSN & Sergey Gashak, Chornobyl Center

12.35 – 12.50 hrs | Discussion/conclusions/perspectives

12.50 – 13.50 hrs | Lunch

Improving and validating radioecological models, Chair: Åste Søvik, NRPA

13.50 – 14.05 hrs	Improving and validating radioecological methods – introduction to COMET WP3, Åste Søvik, NRPA
14.05 – 14.50 hrs	Marine radioecology 6 years after the Fukushima accident – the COMET contribution, Céline Duffa, IRSN; Pere Masque, UAB; Jordi Vives I Batlle, SCK•CEN; Toshihiro Wada, Fukushima University
14.50 – 15.35 hrs	Hot particles – transformation processes and environmental impact, Valery Kashparov, NUBIP of Ukraine; Rafael García-Tenorio, University of Seville; Brit Salbu, NMBU
15.35 – 15.50 hrs	Discussion/conclusions/perspectives
15.50 – 16.20 hrs	Coffee break
16.20 – 16.40 hrs	Human food chain modelling – the COMET impact, Håvard Thørring, NRPA
16.40 – 17.00 hrs	ICRP Reference Sites - developing alternative transfer models for wildlife, Nick Beresford, CEH
17.00 – 17.20 hrs	The COMET handbook on forest modelling – a guide on developing and selecting robust radioecological models, Lindis Skipperud, NMBU & Martin Steiner, BfS
17.20 – 17.35 hrs	Discussions / conclusions / perspectives
19.30 – 22.00 hrs	Dinner in De Halve Maan

Wednesday, 26 April 2017

Can we predict long-term effects on ecosystems?, Chair: Catherine Lecomte, IRSN

9.00 – 9.10 hrs	General context and objectives of the implemented research, Catherine Lecomte, IRSN
9.10 – 9.30 hrs	Contribution of epigenetic processes on the radiosensitivity to gamma radiation, Nele Horemans, SCK•CEN
9.30 – 10.00 hrs	Are transgenerational changes induced by chronic exposure to gamma radiation?, Jorke Kamstra, NMBU & Eline Saenen, SCK•CEN
10.00 – 10.20 hrs	Importance of dosimetry and good sampling strategy for field studies, Deborah Oughton, NMBU
10.20 – 10.50 hrs	Impact of long term exposure to radionuclides on different model species, Clare Bradshaw, SU & Nele Horemans, SCK•CEN
10.50 – 11.05 hrs	Discussions / conclusions / perspectives
11.05 – 11.35 hrs	Coffee break
11.35 – 12.15 hrs	Relevance of epigenetic changes as biomarkers of ionising radiation exposure including general conclusion and perspectives, Dave Spurgeon, CEH & Catherine Lecomte, IRSN
12.15 – 12.30 hrs	Discussions / conclusions / perspectives
12.30 – 12.40 hrs	Presentation on CONFIDENCE, Wolfgang Raskob, KIT
12.40 – 12.50 hrs	Presentation on TERRITORIES, Marie Simon-Cornu, IRSN

12.50 – 14.50 hrs	Walking lunch + poster session
14.50 – 17.00 hrs	Discussion on topics from days 1 & 2 <ul style="list-style-type: none"> • Radioecological observatories a focus for joint, long-term research – yes, no or maybe? • Working together of modelers and experimentalists • Can we predict long-term effects on ecosystems? • From the lab to the field
17.45 – 19.00 hrs	Touristic tour
19.00 hrs	Reception at the city hall

Thursday, 27 April 2017

8.30 – 8.50 hrs	Blueprint for ALLIANCE - How to sustain and enhance a strong European Radioecology, Hildegarde Vandenhove, SCK•CEN
8.50 – 10.20 hrs	Views of EC, international bodies and platforms <ul style="list-style-type: none"> • Presentation from European Commission, André Jouve, EC • Towards a joint roadmap for radiation protection research in Europe, Jacques Repussard, MELODI • Challenges in radioecology for the management of emergency and recovery situations: NERIS' point of view, Thierry Schneider, NERIS • Radioecology challenges in the 21st century: the IUR view, François Bréchignac, IUR • Radioecology – achievements and remaining challenges, Gerhard Pröhl, IAEA • The legacy of COMET: the significance to ICRP's effort to integrate protection of people and the environment in the system of radiological protection, Kathryn Higley, ICRP
10.20 – 10.45 hrs	Coffee break
10.45 – 11.45 hrs	<ul style="list-style-type: none"> • IRPA perspective on COMET research results in radioecology, Eduardo Gallego, IRPA • Radioecological research is key to the United Nations Scientific Committee of the Effects of Atomic Radiation, Hans Vanmarcke, UNSCEAR • The need for radioecology – Views from an international perspective, Edward Lazo, OECD
11.45 – 12.30 hrs	Panel discussion on future of radioecology in Europe, speakers of the previous session <ul style="list-style-type: none"> • Strengthening and integrating radioecology in the future in Europe
12.30 – 12.45 hrs	Final conclusions
12.45 – 12.50 hrs	Adjourn
12.50 hrs	Lunch