

MERLIN-Expo Training: Summer School in Cremona

Gabriella Fait (AEIFORIA), Nicoleta Suci (UCSC)

Title: The Future of Environmental and Human Health Exposure Modelling of Chemicals

Topics and keynote speakers

1. Legislation: Gilioli Roberto- ECHA
2. Bridge HMRA/ERA: Nicolas Roth - University of Basel
3. QSAR: Emilio Benfenati – Istituto Mario Negri
4. Monitoring vs Modelling: Damia Barcelo, Antoni Ginebreda - CSIC
5. PBPK: Frederic Bois -INERIS
6. Uncertainty analysis/ sensitivity analysis: Andrea Saltelli- SVT
7. Practical sessions using MERLIN-Expo tool - based on the different topics (4FUN consortium)

Organizing Committee:

- James Garratt
- Gabriella Fait
- Nicoleta Alina Suci

Scientific Committee:

- Philippe Ciffroy –EDF, France
- Ettore Capri - UCSC, Italy
- Damia Barcelo – CSIC, Spain

4FUN attendees:

1. James Garratt
2. Philippe Ciffroy
3. Gabriella Fait
4. Ettore Capri
5. Nicoleta Suci
6. Boris Alfonso
7. Celine Brochot
8. Elisa Giubilato
9. Johan Bierkens

Companions for the visit to EXPO:

1. Nicoleta Alina Suci
2. Gabriella Fait
3. Philippe Ciffroy

Monday, 29 June 2015		Chairman
Morning Session		
10:00 – 11:00	Registration	
11:00 – 12:00	Speaker: James Garratt Roundtable Introduction to the course and course objectives Overview of the programme	James Garratt & Ettore Capri
12:00 – 13:00	Speaker: Nicolas Roth Lecture: Integrated risk assessment	
13:00-14:00	Lunch	
Afternoon Session		
14:00-15:30	Speaker: Roberto Gilioli Lecture: Overview of legislation for risk assessment	James Garratt & Ettore Capri
15:30-16:00	Coffee	
16:00-16:45	Speaker: Philippe Ciffroy Human exposure modelling: innovative issues and standard documentations	
16:45-17:30	Speaker: Boris Alfonso Practical Session: MERLIN-Expo tool: general overview and simple demonstration of the software	
17:30-17:45	Recap of Day 1 and general discussion	
	Free dinner	

Tuesday, 30 June 2015		Chairman
Morning Session		
9:00 – 9:10	Brief introduction to Day 2	James Garratt & Nicoleta Suci
9:10-10:40	Speaker: Damia Barcelo/Antoni Ginebreda Lecture: Occurrence of pharmaceuticals in Iberian rivers: prioritization and modeling	
10:40-11:00	Coffee	
11:00– 12:30	Speaker: Antoni Ginebreda / Johan Bierkens/Elisa Giubilato Lecture: General overview of three case studies: emerging and priority contaminants in the Ebro river (Spain); historical heavy metal contamination (Belgium); ecological and human exposure to POPs in the Venice lagoon (Italy)	James Garratt & Nicoleta Suci
12:30-13:30	Lunch	
Afternoon Session		
13:30-15:00	Speaker: Emilio Benfenati Lecture: QSAR Models	James Garratt & Nicoleta Suci
15:00-15:30	Coffee	
15:30-17:00	Speaker: Elisa Giubilato Practical Session: food web modelling in the Venice Lagoon	
17:00-17:30	Recap of Day 2 and general discussion	
18:00	Visit to Museo del Violino (MdV) and Gala dinner	

Wednesday, 01 July 2015		Companions
9:00 – 21:00	Visit to EXPO Milan 2015	Philippe Ciffroy, Nicoleta Suci, Gabriella Fait

Thursday, 02 July 2015		Chairman
Morning Session		
9:00 – 9:10	Brief introduction to Day 3	James Garratt & Gabriella Fait
9:10-10:40	Speaker: Philippe Ciffroy Lecture: Transfer and fate of contaminants on the environment	
10:40-11:00	coffee	
11:00– 12:30	Speaker: Philippe Ciffroy Practical Session: Transfer of a contaminant in a river	
12:30-13:30	Lunch	
Afternoon Session		
13:30-15:00	Speaker: Frederic Bois Lecture: Theory of PBPK modelling	James Garratt & Gabriella Fait
15:00-15:30	Coffee	
15:30-17:00	Speaker: Celine Brochot Practical Session: Predicting contaminant concentrations in human tissue using the MERLIN-Expo tool	
17:00-17:30	Recap of Day 3 and general discussion	
20:00	Social Dinner	

Friday, 03 July 2015		Chairman
Morning Session		
9:00 – 9:10	Brief introduction to Day 4	James Garratt & Nicoleta Suci
9:10-10:40	Speaker: Andrea Saltelli Lecture: Uncertainty analysis/ sensitivity analysis	
10:40-11:00	Coffee	
11:00– 12:30	Speaker: Philippe Ciffroy Practical session: Uncertainty/sensitivity analysis of a simple case study	James Garratt & Nicoleta Suci
12:30-13:30	Lunch	
Afternoon Session		
13:30-15:30	Final Evaluation Feedback and closure of the course	
15:30	Departures	