Registration and costs

There are 30 places available: 20 candidates will be fully sponsored by the 4FUN project, for the remaining 10 candidates, the participation fee is \notin 900.

Instructions for registration are available at

http://www.cremonafoodvalley.com/co urses/food-safety-saf/course/the-futureof-environmental-and-human-healthexposure-modelling-of-chemicals.html

Registration deadline is: 31 May 2015

The participation fee includes: training materials, use of the training facilities, the transfer to and from EXPO Milano and the entrance ticket, lunches and coffee breaks (except Wednesday), two dinners, and a special evening event.

Participation fee does not include accommodation, travel to/from Cremona, and meals on Wednesday. For hotel booking and transfer you can contact Guindani Viaggi Sas travel agency, which grants special tariffs on bookings. Email: info@guindaniviaggi.it

Venue

Palazzo Trecchi Via Sigismondo Trecchi, 20, Cremona, Italy

Travel details

Cremona is on the train line between Milan and Mantua. It is also easily accessible by train from Piacenza and Brescia. From any of the Milan airports it is around $1 - 1\frac{1}{2}$ hours drive.

Organising Committee

Gabriella Fait (gabriella.fait@aeiforia.eu)

James Garratt (<u>garratt@enviresearch.com</u>)

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Scientific Committee

Prof. Damià Barceló Cullerès

Prof. Ettore Capri

Dr. Philippe Ciffroy

More information

http://4funproject.eu/en/news_events/sh ow/&tid=4

The Future of Environmental and Human Health Exposure Modelling of Chemicals

29th June – 3rd July 2015 Cremona, Italy

This course is sponsored by the 4FUN project (funded under the EU FP7), is endorsed by SETAC Europe, and included in the SETAC Europe Certification of Environmental Risk Assessors program











Short description

The 4FUN project is organising a summer school endorsed by SETAC and included in the Cremona Executive Education Program (CEEP). The CEEP is a unique learning opportunity to study the topics of EXPO Milano 2015: sustainable agriculture and food, innovative practices in agriculture and zootechnics and food safety.

This course will be comprised of lectures and practical sessions to teach advanced modelling methods for the assessment of human exposure to chemicals. The participants will gain knowledge of environmental fate, human exposure and pharmacokinetics, QSAR principles and legislation. The school will also include a visit to the Universal Exhibition "Expo Milano 2015 – Feeding the Planet, Energy for Life".

During the practical sessions the MERLIN-Expo software will be used, which is a new tool for the assessment of human exposure to environmental contaminants. It integrates multimedia, PB/PK and doseresponse models, to address the entire exposure assessment chain. In addition, it accounts for the lifetime exposure of different human populations, for exposure through multiple pathways and allows performing uncertainty and sensitivity analysis. Starting time: 10 a.m., Monday 29th June Endina time: 3.30 p.m., Friday 3rd July

Topics

Day 1: regulatory frameworks of human exposure to chemicals; principles of human health risk assessment and environmental risk assessment; principles of modelling and future trends in human exposure modelling

Day 2: link between modelling and monitoring: theory and practice; principles of QSAR

Day 3: Visit to EXPO Milano 2015

Day 4: PBPK modelling of chemical fate within the human body; exposure pathways; integrated approaches to modelling the entire exposure assessment chain

Day 5: principle of uncertainty and sensitivity analysis: theory and practice

Target groups

- Junior modellers
- PhD students and post-doc researchers
- People in the early stages of their career

- People requiring a better understanding of environmental modelling for their activities (environmental chemistry, biochemistry, toxicology etc.)

Lecturers

Boris Alfonso – Facilia, Sweden Damià Barceló Cullerès – CSIC, Spain Emilio Benfenati – Istituto Mario Negri, Italy Bierkens Johan – VITO, Belgium Frédéric Bois – INERIS, France Céline Brochot – INERIS, France Philippe Ciffroy – EDF, France Roberto Gilioli – ECHA, Finland Antoni Ginebreda – CSIC, Spain Elisa Giubilato – Università Ca' Foscari Venezia, Italy Nicolas Roth – SCAHT, Switzerland

Andrea Saltelli – SVT, Norway

Certificates and Credits

Attending this course, students can get 2 ECTS credits, certification released by Università Cattolica del Sacro Cuore, Piacenza, Italy.

This course qualifies for the SETAC Europe Certification of Environmental Risk Assessors program. More information can be found at <u>http://certification.setac.eu</u> Course registrants who are interested in this certification program are invited to contact SETAC Europe for more details at <u>CRA@setac.org</u>