

# Agenda for MERLIN-Expo workshop – Barcelona 2015

22<sup>nd</sup> September

Time	Presenter and topic
11:00 – 11:15	Welcome and coffee
11:15 – 11:30	<p><i>Welcome</i> Speaker: <b>James Garratt</b></p> <ul style="list-style-type: none"> <li>• Introduction to the course and the course objectives</li> <li>• Current approaches in human health and exposure assessment and their deficiencies</li> <li>• Advanced methods and the future for environmental and human health exposure modelling</li> <li>• The MERLIN-Expo tool and its key features</li> <li>• The 4FUN project, introduction to the other speakers.</li> </ul>
11:30 – 12:00	<p><i>Lecture 1</i> Speaker: <b>Philippe Ciffroy</b></p> <ul style="list-style-type: none"> <li>• The 4FUN project: objectives</li> <li>• Innovative issues of the MERLIN-Expo tool</li> <li>• Documentation available for end-users</li> <li>• Overview of the library of models in the tool</li> </ul>
12:00 – 13:00	<p><i>Lecture 2</i> Speaker: <b>Boris Alfonso</b></p> <ul style="list-style-type: none"> <li>• Overview of the general structure and format of the MERLIN-Expo tool</li> <li>• Simple demonstration of the software               <ul style="list-style-type: none"> <li>◦ <i>Case study 1 (Lead poisoning in a child)</i></li> </ul> </li> </ul> <p><i>If there is time, show a training video on one of the modules within MERLIN-Expo</i></p>
13:00 – 13:45	Lunch Break
13:45 – 14:15	<p><i>Lecture 3</i> Speaker: <b>Gabriella Fait</b></p> <ul style="list-style-type: none"> <li>• Regulatory context of MERLIN-Expo</li> <li>• Evaluation and benchmarking</li> <li>• General overview of case study work</li> </ul>
14:30 – 15:30	<p><i>Practical session – Case study 2a (Modelling emerging and priority contaminants in the Ebro river)</i> Facilitated by: <b>Zoran Banjac</b></p> <p><i>Extension Work : for further personal practice</i> <i>Case study 2b (Food web modelling in the Venice lagoon)</i></p>
15:00 – 15:30	<p><i>Lecture 4</i> Speaker: <b>James Garratt</b></p> <ul style="list-style-type: none"> <li>• The PBPk model</li> </ul>
15:30 – 16:15	<p><i>Practical session – Case study 3 (Human food chain)</i> Facilitated by: <b>James Garratt</b></p> <ul style="list-style-type: none"> <li>• Predicting contaminant concentrations in human tissue using the MERLIN-Expo tool</li> </ul> <p><i>Extension Work : for further personal practice</i> <i>Continue with case study 2b (Food web modelling in the Venice lagoon)</i></p>

16:15 – 16:30	Coffee break
16:30 – 16:45	<i>Lecture 6</i> Speaker: <b>Philippe Ciffroy</b> <ul style="list-style-type: none"><li>• Practical Introduction to uncertainty and sensitivity analysis in MERLIN-Expo.</li></ul>
16:45 – 17:45	<i>Practical session - Case study 3 (Uncertainty/Sensitivity)</i> Facilitated by: <b>Philippe Ciffroy</b> <ul style="list-style-type: none"><li>• Using the MERLIN-Expo tool to perform<ul style="list-style-type: none"><li>○ probabilistic and deterministic simulations</li><li>○ uncertainty and sensitivity analysis</li></ul></li></ul>
17:45 – 18:15	Review & Questions
18:15 – 18:30	Course Evaluation / Feedback

Venue: Hotel Catalonia Barcelona Plaza (Plaça d'Espanya, Barcelona)

4FUN partners as speakers:

- James Garratt (Enviresearch Ltd.)
- Philippe Ciffroy (EDF)
- Gabriella Fait (AEIFORIA)
- Zoran Banjac (CSIC)
- Boris Alfonso (FACILIA)