



Meeting: SEWPROF ITN, 1st Training Course: Human Health and the Environment

Date & time: 9:00am 22nd April 2013 – 5:00pm 24th April 2013

DAY 1 – Monday 22nd April 2013

Venue: Bath Royal Literary and Scientific Institution, 16-18 Queen Square, Bath, BA1 2HN, Duncan Room (web: www.brlsi.org/)

Urban Water Cycle

Session 1

Chair: B. Kasprzyk-Hordern

9:00-9:30	Registration & coffee	
9:30-10:15	Introduction Urban water cycle: key challenges	B. Kasprzyk-Hordern <i>University of Bath</i>
10:15-10:45	Behaviour and fate of illicit drugs and pharmaceuticals in waste and surface water	S. Castiglioni <i>Mario Negri Institute for Pharmacological Research</i>
10:45-11:00	Coffee break	
11:00-11:30	Fate of DOA in drinking water production chain	P.de Voogt <i>KWR Watercycle Research Institute</i>
11:30-12:00	The relevant properties of a sewer system and the available tools to meaningfully evaluate full scale pollutant fluxes	Ch. Ort <i>Swiss Federal Institute of Aquatic Science and Technology</i>
12:00-12:30	Wastewater treatment, new technologies & the UK perspective	T. Arnot <i>University of Bath</i>
12:30-13:30	Lunch break – A buffet lunch will be provided onsite	

Session 2

Chair: F. Hernández

13:30-14:00	Lessons learned from studying sources, fluxes and potential source control of EU WFD Priority Substances in sewers	P. Mikkelsen <i>Technical University of Denmark</i>
14:00-14:30	Modelling the fate of xenobiotic micro-pollutants in wastewater	B. Plósz <i>Technical University of Denmark</i>
14:30-15:00	Working in sewers or on STPs	Ch. Ort <i>Swiss Federal Institute of Aquatic Science and Technology</i>
15:00-15:15	Coffee break	

Generic research and transferable skills workshop

15:15-17:00	Knowledge and intellectual abilities (creative and critical thinking)	G. Martin <i>University of Bath</i>
-------------	--	--

Team building, Raven pub from 5pm onwards (web: www.theravenofbath.co.uk)

DAY 2 – Tuesday 23rd April 2013

Venue: Bath Royal Literary and Scientific Institution, 16-18 Queen Square, Bath, BA1 2HN, Duncan Room (web: www.brlsi.org/)

Hazardous substances and human health

Session 3

Chair: A. Covaci

9:00-9:30	Coffee	
9:30-10:00	Environmental and food toxicants	A. Covaci University of Antwerp
10:00-10:30	Human exposure & risks due to drinking water consumption	T. Ter Laak KWR Watercycle Research Institute
10:30-10:45	Coffee break	
10:45-11:15	Mass balance approaches for estimating drugs concentrations in wastewaters and river catchments from drug consumption/prescription data (forward calculation models)	T. Ter Laak KWR Watercycle Research Institute
11:15-11:45	Drugs problem in Europe	L. Vandam EMCDDA
11:45-12:00	Network matters: Selection of ESR and ER representative to the Supervisory Board	B. Kasprzyk-Hordern University of Bath
12:15-13:30	Lunch break – A buffet lunch will be provided at the Hall and Woodhouse Bar and Restaurant: http://hall-woodhousebath.co.uk/	

Session 4

Chair: Ch. Ort

13:30-14:00	Design & evaluation of intervention studies - definition, scale & ethical issues	J. Mueller University of Queensland
14:00-14:30	Importance and discovery of new drugs - analytical challenges and aspects of law enforcement – the Australian Perspective	J. Mueller University of Queensland
15:00-15:15	Coffee break	

Generic research and transferable skills workshop

15:15-17:00	Human Health and the Environment – themed workshop & team building exercise	J. Hordern IoE, University of London B. Kasprzyk-Hordern University of Bath
-------------	---	--

19:00 Dinner - Gascoyne Place (opposite the Bath Theatre Royal), 1 Sawclose, Bath BA1 1EY. See the map at: <http://www.gascoyneplace.co.uk/pages/contact>.

DAY 3 – Wednesday 24th April 2013

Venue: the INNOVATION Centre, Carpenter House, University of Bath, Broad Quay, Bath, BA1 1UD (web: www.bath.ac.uk/bathventures/forbusiness/innovationcentre.html)

New synthetic drugs of abuse

OBJECTIVES:

- To set the scene for the use of new psychoactive drug in the UK and Europe
- The human dimension, deaths, clinics, patterns of use in adults and youth
- Introduce amnesty bin analysis, test purchasing, bulk urine analysis

Session 5

Chair: S. Castiglioni

09.00	Welcome		
09.15- 10.00	What is TICTAC	John Ramsey (toxicologist) TICTAC Communications Ltd	The TT database, new drugs, amnesty bins, bulk urine
10.00- 10.45	Drugsmeter	Dr Adam Winstock (psychiatrist)	Who uses what around the world
10.45- 11.00	Coffee		
11.00- 11.45	Why are we here	Maryon Stuart (bereaved parent), Angelus Foundation	Maryon will tell her story, Angelus video?
11.45-12.30	Club drug clinic	Dr Owen Bowden-Jones (psychiatrist)	Describe the clinic and clients
12.30- 13.30	Lunch		

Session 6

Chair: K. Thomas

13.30- 14.00	Workplace drug testing	Lindsay Hadfield, Concateno	Drug use in the working population
14.00-14.45	Drug users	Katie McCloud, Training and Outreach Coordinator, Crew	Drugs and the problems they cause young people
14.45-15.00	Tea		
15.00-15.30	FEWS	Dr Sheila Hardwick, CAST	The UK Forensic Early Warning System
15.30-16.15	Drugs in wastewater	Dr Alexander L.N. van Nuijs,	Which drugs have we detected in wastewater
16.15 – 16.45	In Vitro receptor assay	Dr Colin Davidson, St. George's University of London (neuroscientist)	Effects of new compounds on electrically stimulated dopamine efflux in the rat accumbens brain slices