M³ Workshop Programme

*"Modeling pressures and impacts for WFD river basin management:
Lessons learned and future prospects"*

June 14-15 2012, Cologne, Germany

Thursday, June 14th, 10h00-13h00

Session 1		
Pressure analysis revisited: Getting on target		
10h00	**Bob Harris** Catchment science University of Sheffield	'Understand your problems before you try to fix them' - are we trying to fix the right things through River Basin Plans?
10h30	**Hanna Anderson** Swedish Environmental Research Institute	Substance flow analysis for assessment of sources and pathways of priority substances.

11h00 Coffee Break

Session 1		
Pressure analysis revisited: Getting on target		
11h20	**Jens Wunderlich-Pfeiffer** Erftverband Bergheim, Germany	DatenFluss - A Load Simulation GIS
11h45	**Guy Engelen** VITO, Flemish Institute for Technological Research Mol, Belgium	WEISS, a water emission inventory planning support system aimed at reducing the pollution of water bodies in Europe
12h10	**Janelcy Alferes** modelEAU Département de génie civil et de génie des eaux Université Laval, Canada	Continuous monitoring of river water quality using in situ monitoring station: efficient data quality assessment
12h35	**Mustafa Demirci** Civil Engineering Dept., Mustafa Kemal University, Turkey	Modeling suspended sediment yield using fuzzy logic

13h00 Lunch

Thursday, June 14th, 14h00-16h30

Session 2		
Dynamic emission models: do they provide added value for WFD implementation?		
14h00	**Martin Volk** Department of Computational Landscape Ecology, Helmholtz Centre for Environmental Research – UFZ Leipzig	Towards the implementation of the European Water Framework Directive? Lessons learned from nutrient simulations in watersheds with different conditions.
14h30	**Manfred Kleidorfer** Unit of Environmental Engineering, University of Innsbruck, Austria	Modeling emissions from urban areas: random numbers or useful information?
15h00	**Jörg Klasmeier** Insitute of Environmental Systems Research,University Osnabrück, Germany	Geo-referenced exposure modeling of contaminants in river basins supports selection of mitigation strategies

15h25 Coffee Break

Session 2		
Dynamic emission models: do they provide added value for WFD implementation?		
15h40	**Stefan Julich** CRP Henri Tudor Esch/Alzette, Luxembourg	Modeling of pesticide fate in a Luxembourgish catchment with the Soil and Water Assessment Tool (SWAT)
16h05	**Uta Ulrich** University of Kiel, Germany	Monitoring and modeling herbicide loss dynamics

Friday, June 15th, 09h00-12h15

Session 3		
Water Quality models & ecotoxicological effects: how to address all pressures		
09h00	**Michael Rode** Aquatic Ecosystem Analysis Dept., UFZ Magdeburg	Modeling river water quality - do we integrate sufficient biological processes?
09h30	**Ekkehard Christoffels** Erftverband Bergheim, Germany	DWA Water Quality Model - an instrument to support water management planning functions with the example of the Erft river

10h00 Coffee Break

Session 3		
Water Quality models & ecotoxicological effects: how to address all pressures		
10h30	**Roman Ashauer** Environmental Toxicology, EAWAG Dübendorf, Switzerland	Ecotoxicological effects beyond EQS: Effect models for dynamic exposure situations
11h00	**Ludiwine Clouzot** modelEAU Département de génie civil et de génie des eaux Université Laval, Canada	An ecosystem model for predicting the effects of micropollutants on aquatic environments
11h25	**Nele Schuwirth** EAWAG Dübendorf, Switzerland	Modeling the community composition of macroinvertebrates in streams
11h50	**Roberta Carafa** CRP Henri Tudor Esch/Alzette, Luxembourg	Implementing macroinvertebrate index prediction in the ecotoxicological model AQUATOX

12h15 Lunch

13h15 **Discussion round:** Models in river basin management

14h30 End of the workshop