

# 6<sup>th</sup> International Congress on Environmental Modelling and Software (iEMSs 2012)

## Announcement and call for contributions

### Session

## Use of models for integrated management of urban water systems

Leipzig, Germany  
1 – 5 July 2012



Organization  
Catalan Institute for Water Research, ICRA  
modelEAU, Université Laval  
Lequia, University of Girona



## Introduction to the Session

The aim of this session consists in the creation of a discussion platform for researchers involved in the development and application of **modelling for the integrated management of urban water systems** (UWS). More specifically, the session would present the last trends in system-wide modelling (mechanistic, data-driven, etc) and the techniques used to calibrate and validate these models (Bayesian, multiobjective optimization, etc).

On the other hand, this session will highlight the importance of models in **integrated management** to successfully implement the **Water Framework Directive** (WFD), to achieve good ecological and chemical status of receiving water bodies. The WFD also highlights **sustainability** as an important driving force to manage UWS, whereas in the US **Triple-Bottom-Line** (TBL) assessments are increasingly part of decision-making in water systems. Therefore, this session is also open to presentations about **new models** (**Greenhouse gas** emission models, e.g. N<sub>2</sub>O and CH<sub>4</sub> generated in sewer systems, wastewater treatment plants and rivers, **micropollutants**...), new paradigms (e.g. **ecosystem-based management**) and methodologies (e.g. **Life Cycle Assessment**) required to address sustainability. The translation of environmental protection objectives into different types of legislative structures and norm systems (statistical effluent limit definitions) is also attracting attention.

Thus, this session will favour contributions aiming at improving the use of currently available models to solve environmental problems.

## Important information

**Abstract submission: 1<sup>st</sup> November 2011** (maximum 300 words)

In case your abstract is accepted, you will be invited to prepare a six pages paper, which has to be submitted until 15<sup>th</sup> February, 2012. Further information about the full paper submission and the review process will be announced at <http://www.iemss.org/sites/iemss2012/>

## Scientific committee and contacts

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