



5th symposium on the hydrological modelling of the Meuse basin

The symposium

The objective of this symposium is to share and exchange knowledge on hydrological modelling and water-related processes (in the widest sense) in the Meuse catchment on a scientific basis. Target audience are all scientists, water managers and stakeholders that feel connected to the Meuse basin.

This year's symposium starts with a session on hydrological modelling, which includes the hydrological modelling exercise that has been initialized during the first edition of the symposium in 2013 and since then has been a recurring topic of the symposium. The three other sessions are dedicated to stakeholders and policy analysis; sediment, water quality and environment, and hydraulic modelling and climate change.

Conference information

Date: Thursday, 13 September 2018

Venue: Liège (Belgium), Aquapôle, Campus de l'Université de Liège - Sart Tilman, Avenue des Chevreuils 3, Bâtiment B53, Sart Tilman, Belgium.
<http://www2.ulg.ac.be/acces/plans/zoneb52.html>.

The conference language is English. No conference fee is charged.

Please help us with the planning and register by sending an e-mail to Bernhard Becker (Bernhard.Becker@deltares.nl). Registration is open until the end of the symposium.

If you would like to give a presentation on the symposium, please contact Bernhard Becker from the organizing committee.

Conference home page:

<https://publicwiki.deltares.nl/display/HydrologyMeuse/5th+symposium+on+the+hydrological+modelling+of+the+Meuse+basin>

Organization committee

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Programme

Time	Speaker and co-authors	Title
09:30	Benjamin Dewals (Université de Liège) and Bernhard Becker (Deltares)	Welcome and opening
09:45	Hubert Savenije (TU Delft)	Hydrological modelling of the Meuse basin
09:50	Maud Grandry (ULiège - Gembloux Agro-Bio Tech), Sébastien Gailliez (Service Public de Wallonie), Aurore Degré (ULiège - Gembloux Agro-Bio Tech)	Trends in the magnitude and frequency of high flows in Wallonia
10:10	Luc Willems (Université de Liège)	Polyphased karst system in Cretaceous chalk of the Belgian-Dutch border and the possible impact on the underground drainage connected with the Meuse River
10:30	Laurène Bouaziz (TU Delft), Lieke Melsen (Wageningen UR), Jan De Niel (KU Leuven)	The joint modelling exercise of hydrological modelling
11:00	Coffee break	
11:30	Jiri Nossent (Flanders Hydraulic Research)	Stakeholders and policy analysis
11:35	Lila Collet (IRSTEA), L. Beevers (Herriot-Watt University), M. D. Stewart (Kaya Consulting)	Decision-making and Flood Risk Uncertainty: Statistical dataset analysis for flood risk assessment
11:55	Bernhard Becker , Marjolein Mens and Rolien van der Mark (Deltares)	Impacts of developments in neighbouring countries on the Dutch Meuse
12:15	Siebolt Folkertsma , Boris Teunis (Rijkswaterstaat)	Drought in the Meuse 2018
12:35	Lunch break	
13:35	Bernhard Becker (Deltares)	Sediment, water quality and environment
13:40	Jiri Nossent (Flanders Hydraulic Research), Befekadu Woldegiorgis (Vrije Universiteit Brussel), Ann van Griensven (Vrije Universiteit Brussel), Fernando Pereira (Flanders Hydraulic Research)	A conceptual modelling tool for water quality and sediment transport
14:00	Julia Rauw (FH Aachen and Kisters BV Nederland), Stefano Vincenzo de Simone (Kisters AG), Jorn Baayen (Kisters BV Nederland), Matthijs den Toom (Deltares), Bernhard Becker (Deltares)	Optimization techniques for hydropower plant Linne
14:20	Sébastien Erpicum , Martin Bruwier, Pierre Archambeau, Benjamin Dewals and Michel Pirotton (Université de Liège)	Life 4 Fish: towards fish-protective hydropower production in the Lower Meuse in Belgium
14:40	Coffee break	
15:20	Guillaume Thirel (IRSTEA)	Hydraulic modelling and climate change
15:25	Pieter Meert , Vincent Wolfs, Patrick Willems (KU Leuven)	Conceptual river water quantity modelling
15:45	Ryan Teuling (Wageningen UR), Emile de Badts, Joost Buitink, Femke Jansen, Anne Hoek van Dijke, Richard Fuchs, Shannon Sterling	A high-resolution Budyko approach to quantifying recent climate change, re-afforestation, and urbanisation impacts on evapotranspiration and streamflow in Europe
16:05	Patrick Willems (KU Leuven)	New spatial climate scenarios and the impacts on floods and droughts
16:25	Benjamin Dewals (Université de Liège) and Bernhard Becker (Deltares)	Closure
16:30		End of the symposium

Please check the conference home page for update of the conference programme.