invitation

4th 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 (in the widest sense) of 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 programme starts with an introductory talk about the Meuse super site to be established within the DANUBIUS project, followed by two morning sessions on hydrological modelling. The second session includes a discussion about the follow-up of the hydrological modelling exercise that has been agreed on during the first edition of the symposium in 2013 and since then has been a recurring topic of the symposium. The first afternoon session is dedicated to water management and developments. The topics of the second afternoon session are real-time control and hydrological processes.

Date and venue

Date: Friday, 13 October 2017

Venue: Liège (Belgium), Aquapôle (Campus de l'Université de Liège - Sart Tilman, Avenue des Chevreuils 3, Bâtiment B53, 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) as soon as possible.

Organization committee

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Programme

Time	Speaker	Title
09:00	Benjamin Dewals (Université de Liège) and Bernhard Becker (Deltares)	Welcome and opening
09:10	Jos Brils (Deltares) and Benjamin Dewals (Université de Liège)	The Meuse super site in the DANUBIUS project
09:50	Guillaume Thirel (IRStea)	Hydrological modelling of the Meuse basin (1)
09:55	Lieke Melsen (Wageningen UR)	What's the role of the modeller in hydrologic modelling?
10:15	Laurène Bouaziz (TU Delft) and Jaap Schellekens (VanderSat/Deltares)	The use of Satellite derived soil moisture for hydrological modelling in the Meuse basin
10:35	Edouard Goudenhoofdt (Institut royal météorologique de Belgique)	Rainfall estimation, nowcasting and warnings for the Meuse basin
10:55	Coffee break	
11:25	Hubert Savenije (TU Delft)	Hydrological modelling of the Meuse basin (2)
11:30	Niels van den Brink (TU Twente)	Comparison of extreme hydrological events
11:50	Guillaume Thirel (IRStea)	The CHIMERE21 project: a multi-hydrological model climate change impact assessment on the French Meuse
12:10	Jan De Niel (KU Leuven), Laurène Bouaziz (TU Delft), Lieke Melsen (Wageningen UR)	Plans for follow-up on the joint modelling exercise of hydrological modelling
12:45	Lunch break	
13:45	Bernhard Becker (Deltares) and Fernando Pereira (Flanders Hydraulic research)	Water management and developments in the Meuse basin
13:50	Niels van Steenbergen (De Vlaamse Waterweg)	Low water on the Albert Canal: You've got to pump it up!
14:10	Christof Homann (Wasserverband Eifel-Rur)	Modelling, operation and management of Reservoirs in the Rur catchment during low flow
14:30	Martin Bruwier (Université de Liège)	Future flood risk in the Walloon region under various urbanization scenarios
14:50	Coffee break	
15:20	Patrick Willems (KU Leuven)	Real-time control and hydrological processes
15:25	Jorn Baayen (Deltares)	On the nonlinear optimization of water systems
15:45	Evert Vermuyten and Vincent Wolfs (KU Leuven)	Model Predictive Control – example from the river Demer basin
16:05	Mohamad Rammal (Université de Liège)	Comparison between tracer and non-tracer techniques of subflow separation
16:25	Benjamin Dewals (Université de Liège) and Bernhard Becker (Deltares)	Closure
16:30		End of the symposium

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