



## 6<sup>th</sup> 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 edition of the symposium series starts with a session on integrated river management. The second session is about hydrological modelling and 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 afternoon sessions are dedicated to water quality and aquatic environment and operational water management, hydraulics and morphology.

### Conference information

**Date:** Friday, 13 September 2019

**Venue:** Liège (Belgium), Aquapôle, Campus de l'Université de Liège - Sart Tilman, Allée de la Découverte 11, Bâtiment B53, Sart Tilman, Belgium.

[https://www.campus.uliege.be/cms/c\\_1841773/fr/b53-aquapole](https://www.campus.uliege.be/cms/c_1841773/fr/b53-aquapole).

Bus stop "Sart-Tilman Polytech", bus lines 48 and 58

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 symposium.

Conference home page:

<https://publicwiki.deltares.nl/display/HydrologyMeuse/6th+international+symposium+on+the+hydraulic+modelling+of+the+Meuse+basin>

### Organization committee

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## Programme

Time	Speaker and co-authors	Presentation title or session topic
09:30	Benjamin Dewals (Université de Liège) and Bernhard Becker (Deltares)	Welcome and opening
09:35	Jean-Noël Pansera (Secretary General of the International Commission of the Meuse)	Welcome words from the International Meuse Commission
09:45	Jiri Nossent (Flanders Hydraulics Research)	Integrated river management
09:50	Martín Orloff (Executive Secretary of the Binational Commission for the Development of the Bermejo and Grande de Tarija Rivers Upper Basin)	Bermejo and Grande de Tarija Rivers Basin: A Geopolitical and Strategic Project for Development
10:10	Hermjan Barneveld (HKV), Nathalie Asselman, Frans Klijn (Deltares) and Alphons van Winden (Bureau Strooming)	The story of the Meuse
10:30	Sebastián Erpicum (Université de Liège)	Potential of pumped-storage hydropower at La Gileppe reservoir
10:50	Coffee break	
11:20	Lieke Melsen (Wageningen UR)	Hydrological modelling of the Meuse basin
11:25	Guillaume Thirel (IRSTEA)	Hydrological modelling in the French part of the Meuse in the CHIMERE21 project
11:45	Joost Buitink (Wageningen UR)	A new fast distributed hydrological model and its application to the Rhine and the Meuse
12:05	Laurène Bouaziz (TU Delft), Lieke Melsen (Wageningen UR)	The joint modelling exercise of hydrological modelling
12:35	Lunch break	
13:35	Bernhard Becker (Deltares)	Water quality and aquatic environment
13:40	Gertjan Zwolsman (Dunea)	Impact of climate change and demography on pharmaceuticals in the Meuse River: A drinking water perspective
14:00	Maarten van der Ploeg (RIWA-Maas), Gertjan Zwolsman (Dunea)	The role of the tributaries on the discharge of the Meuse during the drought of 2018
14:20	Gereon Hermens (Ingenieurbüro Floecksmühle, Fichtner Water & Transport)	Selected fish pass projects in the Meuse catchment
14:40	Coffee break	
15:20	Céline Savary (SPW Hydraulic research laboratory)	Operational water management, hydraulics and morphology
15:25	Lila Collet (IRSTEA)	Forecasting drought severity based on spatial hydro-meteorological indicators
15:45	Arjan Sieben, Siebolt Folkertsma (Rijkswaterstaat), Willem Ottevanger, Aukje Spruyt, Kees Sloff (Deltares)	A research plan and model for the morphology of the Meuse
16:05	Jorn Baayen (Kisters BV)	Comparison of different approaches for optimization of control in hydraulic modelling
16:25	Benjamin Dewals (Université de Liège)	Operation rules of the Vesdre reservoir revisited
16:45	Bernhard Becker (Deltares) and Benjamin Dewals (Université de Liège)	Discussion: the scope of future editions of the symposium
17:00	End of the symposium	

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