



7th International Meuse Symposium

21 September 2021

The symposium

The objective of the International Meuse Symposium is to share and exchange knowledge on water-related modelling and processes (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. The symposium series has been initiated in the course of the AM-ICE project in 2013 and is organized by research institutions and universities from the riparian countries of the Meuse.

This year's edition of the symposium series starts with reflection of the floods that took place in July 2021. 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 river morphology and water quality and river and river basin management. The symposium closes with a discussion entitled "Towards a common research agenda for the Meuse – what are the most important research questions for the future?"

Conference information

Date: Tuesday, 21 September 2021

Venue: The conference will be organized as **online**-event. To register, please send an e-mail to Bernhard Becker (Bernhard.Becker@deltares.nl). Registration is open until the symposium.

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

Conference home page:

<https://publicwiki.deltares.nl/display/HydrologyMeuse/7th+International+Meuse+Symposium>

Organization committee

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Programme

Time	Speakers and co-authors	Presentation title or session topic
09:00	Benjamin Dewals (Université de Liège) and Bernhard Becker (Deltares)	Welcome and opening of International Meuse Symposium
09:15	Guillaume Thirel (INRAE)	The 2021 flood event
09:20	To be announced (Service Public de Wallonie, Université de Liège)	The 2021 exceptional floods in the Meuse basin: insights from Belgium
09:40	David Kroekenstoel (Rijkswaterstaat)	The 2021 exceptional floods in the Meuse basin: insights from the Netherlands
10:00	Coffee break	
10:30	Lieke Melsen (Wageningen UR)	Hydrology
10:35	Antoine Pelletier (École des Ponts ParisTech, INRAE), Vazken Andréassian (INRAE)	Joint forecasting of streamflow and groundwater level: a comparison of two conceptual modelling approaches on 5 headwater catchments
10:55	Guillaume Thirel (INRAE)	Impact of climate change on the French part of the River Meuse - the CHIMERE 21 project
11:15	Laurène Bouaziz (TU Delft)	The sensitivity of hydrological model predictions to ecosystem adaptation in response to climate change
11:35	Laurène Bouaziz (TU Delft), Lieke Melsen (Wageningen UR)	The joint modelling study: What does the recent flood event mean for an integrated basin study for adaptation in the Meuse?
11:55	Lunch break	
12:55	Benjamin Dewals (Université de Liège)	River Morphology and water quality
13:00	Roy Frings (Rijkswaterstaat), Hermjan Barneveld (HKV, Wageningen UR), Benjamin Dewals (Université de Liège)	International study: the morphodynamics of the Meuse basin
13:20	Stefanie Wolf (RWTH Aachen University), Anna-Lisa Maaß (Dr. Pecher AG)	Sediment study of the Rur and Wurm
13:40	Tim van Emmerik, Sjoukje de Lange (WUR), Roy Frings (Rijkswaterstaat) and the WUR-HWM Plastic Team	Plastic transport through the Dutch Meuse
14:00	Hermjan Barneveld (HKV, Wageningen UR)	Morpho-dynamics of supply limited rivers with weirs: case study of the River Meuse
14:20	Coffee break	
14:45	Bernhard Becker (Deltares)	Management of river and river basin
15:05	Jean-Noël Pansera (International Meuse Commission)	Approach for managing exceptional droughts (plan d'approche des étiages exceptionnels)
15:25	Nathan Bertouille (SPW), Ludovic Gouverneur (IMDC), Tim Franken (Sumaqua), Philippe Dierickx, Céline Savary (SPW)	Multi-purpose management of the Walloon waterways, from local to global control of the structures
15:45	Eveline van der Deijl, Erik Mosselman (Deltares) and Gonzalo Duró (Witteveen+Bos)	Management of dynamic river banks
16:05	Erik Ruijgh (Deltares)	An analysis tool for fish migration and fish passability in the Meuse
16:25	Bernhard Becker, Benjamin Dewals	Discussion
16:30	Plenary discussion	Towards a common research agenda for the Meuse: What are the most important research questions for the future? How does the 2021 flood change our way of thinking?
17:00	Remko Uijlenhoet (TU Delft)	Closure
17:10		

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