



## 8<sup>th</sup> International Meuse Symposium

17 October 2022

### 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 AMICE project in 2013 and is organized by research institutions and universities from the riparian countries of the Meuse.

Weather extremes are the topic of the two morning sessions, with one session for low flows and droughts and one for floods. Both the July 2021 flood and the droughts from recent years will be reflected by the speakers in these sessions. The first afternoon session is dedicated to sediment and plastic transport. The last session is entitled with "cross border catchments and international collaboration". This topic is also the subject of the concluding plenary discussion.

### Conference information

**Date:** Monday, 17 October 2022

**Venue:** Liège (Belgium), Campus de l'Université de Liège at Sart Tilman

**Amphithéâtres de l'Europe (Building B4)**, Room R54 (ground floor)

Boulevard du Rectorat 13, Sart Tilman, Belgium

[https://www.campus.uliege.be/cms/c\\_1763578/en/b4-amphitheatres-de-l-europe](https://www.campus.uliege.be/cms/c_1763578/en/b4-amphitheatres-de-l-europe)

Bus stops: SART-TILMAN Amphithéâtres and SART-TILMAN Chimie (amphis)

Bus lines 48, 58 and E20 from the bus stop "Gare des Guillemins" (central station) in Liège.

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](mailto:Bernhard.Becker@deltares.nl)).

**Registration** is open until the end of the symposium.

Conference home page: Conference home page:

<https://publicwiki.deltares.nl/display/HydrologyMeuse/8th+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
09:15	Patrick Willems (KU Leuven)	Weather extremes - low flows and droughts
09:20	<b>Bernhard Becker</b> (Deltares), <b>Maarten van der Ploeg</b> (RIWA-Maas), Jean-Noël Pansera (IMC), Patrick Willems (KU Leuven), Aleksandra Jaskula (Rijkswaterstaat)	50 years ago, the article "Hydrografie van het Maasbekken" by J. W. van der Made was published - What has changed since then?
09:40	<b>Maarten van der Ploeg</b> (RIWA-Maas), Bernhard Becker, Wil van der Krogt, Nienke Kramer, Hélène Boisgontier (Deltares)	A water balance model of the Meuse catchment, source of water and the impact of climate change on water usage during low flows
10:00	<b>Bastian Winkels</b> (RWTH Aachen)	Groundwater Modelling in the context of low-flow-risk-management – the DryRivers project
10:20	Coffee break	
10:50	Lieke Melsen (Wageningen UR)	Weather extremes - floods
10:55	<b>Edouard Goudenhoofd</b> , Laurent Delobbe, Michel Journee (Institut royal météorologique de Belgique)	The rainfall estimation challenge for the July 2021 flood
11:15	<b>D. Rodriguez Castro</b> , S. Roucour, P. Archambeau, Ch. Dessers, M. Pirotton, S. Erpicum, B. Dewals (Université de Liège, HECE)	Levee effect(s) in the July 2021 flood in the Vesdre valley
11:35	<b>Felix Steudtner</b> , <b>Julian Hofmann</b> (RWTH Aachen University)	2D hydraulic modelling strategies of the Vicht and Inde river for flood protection measures, related to the July 2021 flood (KAHR project)
11:55	<b>Christof Homann</b> (Wasserverband Eifel-Rur)	Forecast-System for the Rur-Reservoirs
12:15	Lunch break	
13:15	Benjamin Dewals	Sediment and plastic transport
13:20	<b>Rahel Hauk</b> , Tim van Emmerik, Martine van der Ploeg, Ryan Teuling (Wageningen University) Winnie de Winter, Marijke Boonstra (North Sea Foundation, Utrecht) Ansjie Löhrr (Open University, Heerlen)	Plastic accumulation on Dutch Meuse riverbanks after the flood in July 2021
13:40	<b>Roy Frings</b> (Rijkswaterstaat), <b>Hermjan Barneveld</b> (Wageningen UR)	Morphology and eco-morphology in the Meuse River
14:00	<b>Stefanie Wolf</b> , Felix Steudtner (RWTH Aachen University)	Insights into the suspended sediment transport in the Rur River
14:20	Coffee break	
14:50	Martine Rutten and Jan van der Steen (TU Delft)	Cross border catchments and international collaboration
14:55	Robert Slomp, Rita Lammersen, Niek van der Sleen (Rijkswaterstaat), Henk van den Brink, Leon van Voorst (KNMI), <b>Laurène Bouaziz</b> , Mark Hegnauer (Deltares)	Towards climate informed extreme value estimations of peak discharges in the Meuse River Basin: Application of high-resolution weather- and hydrological models
15:15	<b>Alphons van Winden</b> , Jos de Bijl (bureau stromingen)	Source of water during the July 2022 flood event and nature-based solutions
15:35	<b>Klaas-Jan van Heeringen</b> (Deltares), Jozef van Brussel (Ministry of Infrastructure and Water Management of the Netherlands), n. n. (Waterschap Limburg), Nathalie Asselman, Kymo Slager, Jaap Kwadijk (Deltares)	The July 2021 flood in Limburg: hydraulic analysis of creeks and rivers in the Geule catchment and rapid assessment
15:55	Martine Rutten and Jan van der Steen	International collaboration on floods and droughts on the catchment scale and the sub-catchment scale - plenary discussion
16:45	Benjamin Dewals and Bernhard Becker	Closure
17:00	End of the symposium	

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