invitation

# 8th 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), 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.
Bus stop "Sart-Tilman Polytech", bus lines 48 and 58 from the bus stop “Gare des Guillemins”.

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.

Conference home page: Conference home page:
https://publicwiki.deltares.nl/display/HydrologyMeuse/8th+International+Meuse+Symposium

## Organization committee


Bernhard Becker
Deltares
P.O. Box 177
2600 MH Delft
Tel. +31 6 5241 6736
Bernhard.Becker@deltares.nl

Benjamin Dewals
Research group HECE, University of Liege (ULiège)
Allée de la Découverte 9, bât B52/3
4000 Liège
Tel. +32 4 3669283
b.dewals@uliege.be


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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 | n. n., Maarten van der Ploeg (RIWA-Maas), Bernhard Becker (Deltares) | 50 years ago, the article "Hydrografie van het Maasbekken" by J. W. van der Made was published - What has changed since then? |
| 09:40 | **Maarten van der Ploeg** (RIWA-Maas), **Bernhard Becker**, Hélène Boisgontier (Deltares) | A water balance model of the Meuse catchment and the impact of climate change on water usage during low flows |
| 10:00 | **Bastian Winkels** (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 | **Edouard Goudenhoofd**, Laurent Delobbe, Michel Journee (Institut royal météorologique de Belgique) | The rainfall estimation challenge for the July 2021 flood |
| 11:15 | HECE group (Université de Liège) | The July 2021 flood in Belgium: hazard, exposure and impacts |
| 11:35 | **Felix Steudtner**, **Julian Hofmann** (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 | **Christof Homann** (Wasserverband Eifel-Rur) | Forecast-System for the Rur-Reservoirs |
| 12:15 | Lunch break | |
| 13:15 | Benjamin Dewals | Sediment and plastic transport |
| 13:20 | **Rahel Hauk**, Tim van Emmerik, Martine van der Ploeg, Ryan Teuling (Wageningen University) Winnie de Winter, Marijke Boonstra (North Sea Foundation, Utrecht) Ansje Löhr (Open University, Heerlen) | Plastic accumulation on Dutch Meuse riverbanks after the flood in July 2021 |
| 13:40 | **Roy Frings** (Rijkswaterstaat), **Hermjan Barneveld** (Wageningen UR) | Morphology and eco-morphology in the Meuse River |
| 14:00 | **Stefanie Wolf**, 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), **Laurène Bouaziz**, 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 | **Alphons van Winden**, Jos de Bijl (bureau stromingen) | Source of water during the July 2022 flood event and nature-based solutions |
| 15:35 | **Klaas-Jan van Heeringen** (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 |
| 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.

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