



10th International Meuse Symposium

10 September 2024 in Liège (Belgium)

The symposium

The objective of the International Meuse Symposium is to share and exchange knowledge on water-related modelling, processes and management (in the widest sense) of the Meuse catchment. Target audience are all scientists, water managers and stakeholders that feel connected to the Meuse basin.

We will start in the morning with plenary talks by Patrick Willems (KU Leuven) and Bruno Merz (GFZ Potsdam). After these plenary talks two parallel programs will start:

A) Water quantity and B) Water quality and organic micropollutants.

A poster session completes the programme. We will end the symposium with a plenary closure and reflection.

Conference information

Date: Tuesday, 10 September 2024

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

Petits Amphithéâtres - Galerie des Arts, Auditorium 142 (ground floor)

Allée du 6-Août 17, Sart Tilman, Belgium

https://www.campus.uliege.be/cms/c_1804860/fr/b7b-petits-amphitheatres-galerie-des-arts

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

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

Bus tickets can be purchased via the TEC app (<https://www.letec.be/>) or at the vending machine SELF at the station "Gare des Guillemins", quai D.

Buses can be crowded in the morning. Take into account that the bus you have chosen may be full and you may have to take the next bus.

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

Please help us with the planning and register by filling in this online form:

[10th International Meuse Symposium registration](#)

Registration is open until the end of the symposium.

See also the **conference home page** for more information:

<https://publicwiki.deltares.nl/display/HydrologyMeuse/10th+International+Meuse+Symposium+2024>

Photos will be taken during the symposium. A few photos will be posted on the conference website as a retrospective.

Accommodation and networking event

The Campus of the Université de Liège does not offer overnight accommodation. Should you already arrive in Liège the evening before the symposium, we recommend staying in one of the hotels near the Central station “Liège Guillemins”. From here, buses leave to the campus of Sart-Tilman.

In the Hotel [ibis Styles Liege Guillemins](#), Rue Des Guillemins 135, 4000 Liège, Belgium, we will organize a drink for all symposium participants who are already in Liège. From 20:00 h it is possible to join us in their bar for a (few) drinks free of charge.

Organization committee

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Programme

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

The poster session is still open for submissions.

Posters

Tom Gallé (Luxembourg Institute of Science and Technology)	Source control of industrial emissions - monitoring strategies
Heye Bogena (Forschungszentrum Jülich GmbH)	The TERENO-Rur Hydrological Observatory
Tom Gallé (Luxembourg Institute of Science and Technology)	LUCI - a tool for monitoring network optimization based on catchment properties
Aline Telle (University of Geneva)	International collaboration at the international river basin scale
Abdul Baqi Ahady, You Wu (RWTH Aachen University)	Drought and low-water cases in Rur river basin

Parallel programme A: Water quantity

Time	Speakers	Title
08:55	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Welcome and opening
09:00	Patrick Willems (KU Leuven)	Drought management: challenges for water quantity and water quality
09:25	Bruno Merz (Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences)	Disastrous floods, how they differ from the bulk of the events and how we can develop and prepare for such worst-case events
09:50	Break	
10:00	Rivers in the landscape	Willem Schreurs (former secretary-general International Meuse Commission)
10:00	Lisa Camfferman (Wageningen University & Research)	Models shaping rivers and rivers shaping models: A case study of the co-production of the Grensmaas project, the Maasmodel, and imaginaries
10:25	Alexander van Braeckel (Research Institute Nature and Forest (INBO))	Integrating flood risk management and nature goals: The Common Meuse Decision Support Tool (DST)
10:50	Lotte de Jong (Wageningen University, Hanze University of Applied Sciences)	Making Rivers, Producing Futures. The Border Meuse project and the rise of an ecomodern river imaginary.
11:15	Coffee break	plenary break room incl. poster presentations
11:45	Climate change adaptation and resilience	Aurore Degré (Université de Liège)
11:45	Markus Hrachowitz (Delft University of Technology)	Vegetation Response to Climatic Variability: Implications for Root Zone Storage and Streamflow Predictions
12:10	Damien Sansen (Université de Liège)	Latest Advancements in the WOLF Model for Guiding the Resilient Reconstruction in the Vesdre Valley
12:35	Aurore Degré (ULiège Gembloux Agro-Bio Tech)	What can be done to improve the hydrological resilience of the Vesdre catchment? What are the constraints?
13:00	Lunch break	plenary break room incl. poster presentations
14:00	Impact of droughts on water use functions	Bernhard Becker (Deltares)
14:00	Gertjan Zwolsman (Dunea)	Influence of heat waves on water quality of the Meuse
14:25	Norbert Cremers (Rijkswaterstaat)	Bottle necks for water availability
14:50	Marjolein Mens (Deltares)	Exploring the effect of future developments on low flows in the Meuse basin: a scenario analysis with RIBASIM
15:15	Coffee break	plenary break room incl. poster presentations
15:45	Floods and flood management	Benjamin Dewals (Université de Liège)
15:45	Hermjan Barneveld (Wageningen University / HKV)	Flood of 2021 - Latent Erosion Risk from Human Control Measures
16:10	Pratik Chakraborty (University of Liège)	On the flood control performance of a multi-purpose dam: Insights from moderate and extreme scenarios
16:35	Stefanie Wolf (RWTH Aachen) and Bernhard Becker (Deltares)	A stress test for the Rur catchment
17:00	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Closing and concluding remarks
17:15	End of symposium	

Parallel programme B: Water quality and organic micropollutants

Time	Speakers	Title
08:55	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Welcome and opening
09:00	Patrick Willems (KU Leuven)	Drought management: challenges for water quantity and water quality
09:25	Bruno Merz (Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences)	Disastrous floods, how they differ from the bulk of the events and how we can develop and prepare for such worst-case events
09:50	Break	
10:00	Session 1: moderator Merle Gerritsen (Schone Maaswaterketen)	Theme: the new European Urban Waste Water Treatment Directive
10:00	Michaël Bentvelsen (Union of Dutch Waterboards)	The new European Urban Waste Water Treatment Directive - Highlights of the changes in regulation and a view on how the Netherlands will implement the new Directive
10:25	Sven Lyko (EmscherGenossenschaft/Lippeverband)	Short reflection on the implementation of the first directive and a view on how Germany will implement the new one
10:50	Interactive discussion about the new European Urban Waste Water Treatment Directive	
11:15	Coffee break	plenary break room incl. poster presentations
11:45	Session 2: moderator Roel Kwanten (Rijkswaterstaat)	Theme: Registration of discharges in geoweb systems
11:45	Jeroen Daniëls (Evides)	The Meuse, source of drinking water
12:10	Leen Van Esch (VITO)	Modelling emissions to the surface water with WEISS
12:35	Roel Kwanten (Rijkswaterstaat)	Overview of the registration of discharges in Germany, Belgium and the Netherlands
13:00	Lunch break	plenary break room incl. poster presentations
14:00	Session 3: moderator Roel Kwanten (Rijkswaterstaat)	Theme: Source detection of pollutions in surface water
14:00	Astrid Fischer (Evides Waterbedrijf)	Addressing micro pollution at the source in relation to industrial emissions
14:25	Wim van der Hulst (Waterschap Aa en Maas)	How to deal with chemical substances in the Water Framework Directive
14:50	Interactive discussion about several topics: how to discover patterns in monitoring data, where do pollutions come from, search for substances with innovative methods and sensors	
15:15	Coffee break	plenary break room incl. poster presentations
15:45	Session 4: moderator Maarten Nederlof (Waterschap Rijn en IJssel)	Theme: techniques for removal of micropollutants
15:45	Jasper Ford (Evides Waterbedrijf)	PFAS in the Meuse
16:10	Marcel Riegel (TZW: DVGW-Technologiezentrum Wasser)	The elimination of micro pollutants out of drinking water
16:35	Maarten Nederlof (Waterschap Rijn en IJssel)	Lessons learned in the Netherlands about removal of micropollutants and how to determine the effectiveness
17:00	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Closing and concluding remarks
17:15	End of symposium	