invitation

9th International Meuse Symposium

12 September 2023

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 organize the 9th edition of the International Meuse Symposium together with the "Samenwerkingsverband Schone Maaswaterketen" to broaden the topics towards water quality – which has been mentioned by the participants earlier. Samenwerkingsverband Schone Maaswaterketen (partners for clean Meuse water chain, https://www.schonemaaswaterketen.nl/) focuses in particular on organic micropollutants – i. e. medicines and industrial chemicals.

We will start in the morning with plenary talks of Jeroen Aerts (VU Amsterdam) *'Assessing the dynamic feedbacks between the water system and society'* and Susanne Schmeier (UNESCO IHE) '*International cooperation for water quantity and quality'*. After these plenary talks parallel programs will start on: A) Water quantity and transport with four sessions on floods, droughts and other topics and B) Getting grip on organic micropollutants in the Meuse Basin (water quality). We will end the symposium with a plenary closure and reflection.

Conference information

Date: Tuesday, **12 September 2023**

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, 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 filling in this online form:
9th International Meuse Symposium – Water quantity and water quality (office.com)
Registration is open until the end of the symposium.

See also the **conference home page** for more information:
https://publicwiki.deltares.nl/display/HydrologyMeuse/9th+International+Meuse+Symposium+2023

LIÈGE université Deltares SCHONEMAAS WATERKETEN

Accommodation and drinks

The Campus de l'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 Guillemeins”. From here, buses leave to the campus of Sart-Tilman.

In the Hotel ibis Styles Liège Guillemins, Rue Des Guillemins 135, 4000 LIEGE, 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 (including parallel programme A)

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

Time	Parallel programme A: Water quantity and transport 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	Jeroen Aerts (VU Amsterdam)	Assessing the dynamic feedbacks between the water system and society
09:25	Susanne Schmeier (IHE Delft)	International cooperation for water quantity and quality
09:50		
10:00	Benjamin Dewals (Université de Liège)	General session
10:00	Bernhard Becker (Deltares, RWTH Aachen University)	The Meuse – a European river / an introduction to hydrology, models, water usage and international collaboration
10:25	Aurore Degré, Benjamin Guillaume, Adrien Michez, Lisa di Maggio, Emmanuelle Leyh (Université de Liège, Gembloux Agro-Bio Tech)	Hydrological modelling of three subcatchements of the Vesdre river - scenarios on forest, peatland and agricultural land management
10:50	Christophe Dessers (Université de Liège)	Modular hydrological modelling of the Vesdre and Amblève catchments
11:15	Coffee break	
11:45	Roy Frings (Rijkswaterstaat)	General session
11:45	Anaïs Couasnon, Alessia Riveros (Deltares)	Estimation of discharge extremes in the Meuse basin - Application of a high-resolution stochastic weather generator and a distributed hydrological model
12:10	Alexander van Braeckel, Merlijn Jocqué (INBO)	The integrated dynamic ecological expert model ECODYN to evaluate restoration and climate scenarios along the Common Meuse
12:35	Felix Steudtner (RWTH Aachen University)	Numerical simulation of the Vicht basin
13:00	Lunch break	
14:00	Remko Uijlenhoet (TU Delft)	Floods
14:00	Sebastian Hartgring (TU Delft, Deltares)	Hindcasting the 2021 flood event for the Rur river
14:25	Eva Vonden (RWTH Aachen University)	Transboundary flood damage survey: design and preliminary outcomes
14:50	Daniela Rodriguez Castro (Université de Liège)	Flood losses in the residential sector in the Vesdre valley: classification and modelling
15:15	Coffee break	
15:45	Jeroen Aerts (VU Amsterdam)	Droughts
15:45	Nienke Kramer (Deltares)	Relation between Maas and Rhine discharge and water quality problems related to drinking water preparation
16:10	Utashi Ciraane Docile (Université de Liège)	Influence of low flow conditions on the salmon downstream migration in Liège
16:35	Patrick Willems (KU Leuven)	Water availability along the Albert Canal in relation to the Meuse discharge
17:00	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Closure and concluding remarks
17:15	End of symposium	

Programme (including parallel programme B)

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

Time	Speakers	Title
	Parallel programme B: Getting grip on organic micropollutants in the Meuse Basin	
08:55	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Welcome and opening
09:00	Jeroen Aerts (VU Amsterdam)	Assessing the dynamic feedbacks between the water system and society
09:25	Susanne Schmeier (IHE Delft)	International cooperation for water quantity and quality
09:50		
10:00	Aad Oomens (Waterschap De Dommel)	Monitoring of organic micropollutants - considerations for selecting which pollutants to focus on and working towards action perspectives
	Interactive session 'Monitoring of organic micropollutants - considerations for selecting which pollutants to focus on and working towards action perspectives'. In which we will engage with each other by using the following two case studies/ presentations: - Pol Magermans (Université de Liège). PegOpera, a software suite developed by ULiege to assess the quality of surface water. Application to the Meuse transnational watershed. - Wim van der Hulst (Waterschap Aa en Maas). Monitoring on micropollutants, treating urban wastewater on pollutants.	
11:15	Coffee break	
11:45	Roel Kwanten (Rijkswaterstaat)	Effective cooperation on dealing with indirect discharges and locating these types of sources of pollution
	Interactive session 'Effective cooperation on dealing with indirect discharges and locating these types of sources of pollution'. In which we will engage with each other by using the following case studies/ presentations: - Indirect discharge via wastewater treatment plant (WWTP) on surface water at a waste processor | Cooperation within the water sector. - Hotspot analysis WWTP: search for substances discharged by WWTPs.	
13:00	Lunch break	
14:00	Hans van der Eem (Welldra)	Data collection and sharing on water quality, sources of pollution, permits and improvements
	Interactive session 'Data collection and sharing on water quality, sources of pollution, permits and improvements'. In which we invite everyone to participate in the process collecting and sharing data! We will engage with each other by using the following case study/ presenation: - Hans van der Eem (Welldra). Atlas for a clean Meuse, about the Meuse catchment area, water quality, origin of contaminants and actions to make the Meuse basin cleaner. See: Atlas Schone Maaswaterketen	
15:15	Coffee break	
15:45	Maurice Franssen (Waterschap Limburg)	Dealing with the EU directive on urban wastewater
	Interactive session 'Dealing with the EU directive on urban wastewater'. In which we will discuss several aspects, such as: Where does the directive fit with our ambitions? Where do we see opportunities? Which concerns do we still have? etc.	
17:00	Bernhard Becker (Deltares), Benjamin Dewals (Université de Liège), Maarten van der Ploeg & Merle Gerritsen (Schone Maaswaterketen)	Closure and concluding remarks
17:15	End of symposium	