Time		26/10/2026 (Monday, day 1)		
08:30	10:00	Conference Registration & Coffee		
		Opening Ceremony Location: Room L3 Amphitheater (Marguerite Horion-Delchef)		
10:00	10:30	Welcome by CEBEDEAU & University of Liège		
10:30	11:30	Pitfalls in Scaling up Circular Technology *by Willy Verstraete, Emiritus professor Ghent University*		
11:30	12:00	Eaux de Wallonie : Building a Living Innovation Ecosystem for Water *by Margaux Lognoul, Societé Publique de Gestion de l'Eau*		
12:00	12:30	Navigating the Industrial Water Transition: How innovation, water reuse and resource recovery are reshaping the sector, and what this means for the next generation of water professionals *By Willy Gills, WaterCircle.be*		
12:30	14:00	**Lunch & poster session 1**		
		Parallel sessions		
		1. Water and wastewater treatment, nutrient removal (1/3) Room 1/7 - 1st floor Chair: José Pedro Fernandes	**2. Resource recovery, water reuse, circular economy** Room 2/7 - 2nd floor Chair: Toon Coelmont	**3. Nature-based solutions, water ecology and biodiversity** Room 2/5 - 2nd floor Chair: Lukas Willems
14:00	14:45	**Keynote by Prof. Thabo Nkambule (U South Africa)** **Natural Organic Matter in the Urban Water Cycle: Origins, properties and impact on Water Treatment**	**Keynote by Dr. Michel Caluwé (Waterleau)** **What if wastewater did not exist?**	**Keynote by Prof. Diederik Rousseau (UGhent)** **Nature-Based Water Treatment: from Rooftops to Rivers**
14:45	15:00	**[O11] Nele Driesen** - Off-grid drinking water production using hollow-fiber nanofiltration in remote communities in Suriname: how unconventional conditions lead to process benefits.	**[O21] Júlia Pedó Gutkoski** - Photocatalytic post-treatment of recalcitrant compounds from thermal hydrolysis process of sewage sludge	**[O31] Haesen Lena** - Putting Nature-Based Solutions in the Right Place: A Spatial Approach for Climate Resilience in West Flanders, Belgium
15:00	15:15	**[O12] Matveev Evgeniy** - Sustainable scaling control in RO systems using CO2	**[O22] Mativo Melissa** - Phosphorus and micronutrient accumulation in 55 °C anaerobically digested blackwater sludge	**[O32] Brouwir Lena** - A Periphyton-Based Genomic Bioindicator of Surface Water Quality: Insights from a Field Data
15:15	15:30	**[O13] Maarten Bossuyt** - Shifting Waters: Can Environmental Metrics Drive Flexible Reverse Osmosis?	**[O23] Martins Tiago** - Electro-induced metal removal in water treatment sludge: From empirical to mechanistic understanding	**[O33] Stefan Fernandes** - Evaluating the possible mortality causes of freshwater mussels in lab-scale aquaria thanks to the genomic analysis of periphyton
15:30	16:00	Coffee break		
16:00	16:15	**[O14] Hoendervangers Perry** - A pilot-scale study on pesticide removal from vegetable processing wastewater using hollow fiber nanofiltration	**[O24] Adema Daniel** - Multimedia Filtration as a Nature-Based Decentralized System for Septic Tank Effluent Treatment and Agricultural Reuse in a Water-Scarce Urban Context, Ethiopia	**[O34] Vijaya Kumar Ashwin** - Neunhausen lighthouse project: full-scale implementation of constructed wetlands for micropollutant removal
16:15	16:30	**[O15] Elshourbagy Mostafa** - A one-year pilot study on the removal of organic micropollutants from wastewater using nanofiltration and concentrate recirculation	**[P12] Cavenaile Agathe** - Safe2ReUse: risk analysis and mitigation for reclaimed wastewater **(Poster Pitch)** **[P11] De Smet Kenzie** - Methalgae cultures for ectoine production from biogas (**Poster Pitch**)	**[P06] Saedi Zohreh** - Towards Decentralized Control of Pharmaceutical Emissions: Pilot-Scale Evaluation of Hybrid Treatment Trains for Hospital Wastewater **(Poster Pitch)** **[P08] Faghih Nasiri Elaheh** - Advancing Nature-Based Systems for the Mitigation of Emerging Contaminants in Urban Water Discharges **(Poster Pitch)**
16:30	16:45	**[P18] Louchahi Zaineb** - Representative SEM Characterization of Pore Sizes in a Flat-Sheet Ultrafiltration Membrane for Virus Removal Prediction **(Poster Pitch)** **[P17] Aspillaga Charlie Jhon** - Ceramic Nanofiltration Membranes via Atomic Layer Deposition for Wastewater Treatment **(Poster Pitch)**	Q&A	**[P09] Marcolino Luísa -** Optimising treatment wetland design for combined sewer overflow **(Poster Pitch)** **[P10] Lezy Jente** - Full-Scale Constructed Wetland With Iron-Oxide-Coated Sand Filter For Domestic Wastewater Treatment **(Poster Pitch)**
16:45	17:00	Q&A		Q&A
17:00	18:30	**Guided city walk**		
18:30	22:30	**Opening reception at La Grand Poste**		

Time		27/10/2026 (Tuesday, day 2)					
08:30	09:00	Conference Registration					
		Parallel sessions					
		4. Water and wastewater treatment, nutrient removal (2/3) Room 1/7 - 1st floor Chair: Julien Mahy		**5. Water resource management, quality and governance** Room 2/7 - 2nd floor Chair: Elaheh Faghih Nasiri		**6. Micropollutants and emerging contaminants** Room 2/5 - 2nd floor Chair: Robin Glaude	
09:00	09:45	**Keynote by Prof. Stéphanie Lambert (ULiège)** **Micropollutants in water : Myth or Reality ?**		**Keynote by Antoine Dellieu (CEBEDEAU)** **Qualifying quality: a matrix of metrics**		**Keynote by Dr. Silvia Venditti (ULuxembourg)** **The unseen in water: tracking and tackling Micropollutants**	
09:45	10:00	**[O41] Chamekh Anissa** - AHL Quorum Sensing: Shaping anaerobic microbial communities and performance.		**[O51] Shehab Ayman** - Linked Data Streams for Water Quality Forecasting		**[O61] Debrabandere Cato** - Niche creation enables long-term bioaugmentation for organic micropollutant removal in continuous systems treating oligotrophic waters	
10:00	10:15	**[O42] De Pauw Maureen** - Development of a stable five-species model bacterial consortium for bottom-up studies of activated sludge		**[O52] Mol Zoë** - Pressure-Induced Odour Deviations in Drinking Water Distribution Networks		**[O62] Quabron Gilles** - MICROSENSE : Integrating Microbial Bioindicators and Functional Biomarkers for pesticides Water Quality Assessment	
10:15	10:30	**[O43] Lee Sumin** - Improving extracellular electron transfer in microalgal biophotoelectrochemical cells using internalized nanoparticles		**[O53] Roelants Tibo** - The Hidden (Environmental) Cost of Septic Tanks		**[O63] Van der Straeten Sander** - PFAS Removal by Dissolved Air Flotation in Operational Drinking Water Production Facilities: Exploiting a Welcome Side Effect	
10:30	11:00	Coffee break					
11:00	11:15	**[O44] De Corte Iris** - Putting a golden lining in sewers: Effect of pH and sulfide on heterotrophic and sulfide-based autotrophic in-sewer denitrification with nitrified urine		**[O54] Appiah-Twum Hanson** - How will the new Urban Wastewater Treatment Directive change the environmental impact of wastewater treatment in Europe?		**[O64] Herrera Paiva Katherine** - Water-matrix effects on the adsorption of PFAS by high-silica zeolites: Roles of ions and natural organic matter	
11:15	11:30	**[O45] Gutierrez Lozano Patricia** - Nitrogen removal of source separated cow urine in a rotating biological contactor		**[O55] Bech Robert** - Environmental Sustainability Indicators for Wastewater Treatment Infrastructure and Assessment of Their Impact on the Aquatic Environment		**[O65] Fernandes José** - Green Process Integration using Ultrasonic Cavitation to Enhance AOPs and Activated Carbon for Efficient Micropollutants Removal	
11:30	11:45	**[P15] Lenaerts Carole** - Upgrading decentralized wastewater treatment systems for stricter discharge limits: Coupling treatment wetlands with electrocoagulation and/or adsorption **(Poster Pitch)**		**[P26] De Jonge Laura** - Assessing health risks due to Legionella pneumophila while showering by means of an experimental setup **(Poster Pitch)** **[P22] Verstraeten Elise** - Evaluating the Downstream Impacts of a CSO Weir Modification Using Continuous Sewer Monitoring Data **(Poster Pitch)**		**[P03] Vervaet Lies** - Can Reactor Design Reduce Harmful Disinfection Byproducts in Water Reuse? A CFD-Based Approach to Minimizing Bromate in Ozonation **(Poster Pitch)** **[P04] Farghal Hebatullah** - Magnetic Gelatin/Gum Ghatti composite for the capture of pharmaceutical contaminants from wastewater **(Poster Pitch)**	
11:45	12:00	Q&A		Q&A		Q&A	
12:00	13:30	**Lunch and poster session 2**					
		Parallel workshops					
13:30	15:00		Visualizing Science – How to Create a Graphical Abstract for your paper (1st part) Room 1/1 (1st floor)	Environmental Detectives: Can You Solve the Pollution Case Mystery? Room 1/4 (1st floor)	Young Professionals Leadership: Build Your Future with LEGO® Serious Play Room 1/5 (1st floor)	Design the water future of Europe: Input for the European Knowledge Network! Room 1/6 (1st floor)	
		Coffee between 15:00 and 15:30					
		Parallel workshops					
15:30	17:00		Visualizing Science – How to Create a Graphical Abstract for your paper (2nd part) Room 1/1 (1st floor)	Mapping the Meuse: Introduction to QGIS through the Meuse River Basin Room 2/1 (2nd floor)	Making Sense of Your Data – Analyzing and Visualizing Environ-mental Data in R Room 2/6 (2nd floor)	World café on artificial intelligence Room 2/9 (2nd floor)	
17:00	18:00	**Networking drink**					
19:00	23:00	**Conference Dinner Van der Valk Congrès Hotel Liège (open bar until 00:00)**					

Time		28/10/2026 (Wednesday, day 3)		
08:30	09:00	Conference Registration		
		Parallel sessions		
		7. Water and wastewater treatment, nutrient removal (3/3) Chair: Tiago Martins	**8. Climate change, extreme climatic events, and greenhouse gas emissions** Chair: Carlos Zamorano Catalán	**9. Process control, data treatment, modelling, AI tools** Chair: Hanson Appiah-Twum
		Room 1/7 - 1st floor	Room 2/7 - 2nd floor	Room 2/5 - 2nd floor
09:00	09:45	**Keynote by Prof. Merle de Kreuk (TU Delft)** **title: tbc**	**Keynote by Prof. Aurore Degré (ULiège)** **Too much, too little, too polluted: Climate change makes water a systemic challenge, our answers must be systemic too**	**Keynote by Prof. Saba Daneshgar (UGhent)** **Beyond digital twins: Towards interoperable and intelligent water systems.**
09:45	10:00	**[O71] Li Zehao** - Feed the right carbon at the right time: stabilising aerobic granules under weak settling selection	**[O81] Willems Lukas** - In-stream treatment wetlands for mitigating diffuse nitrate pollution in agricultural catchments	**[O91] Duchi Simon** - Delivering a digital twin for UV/H2O2 treatment: a case study in Northern Netherlands
10:00	10:15	**[O72] Geesey Johanna** - Which substrates are responsible for N2O emissions from aerobic granular sludge performing biological N and P removal?	**[O82] Acquaye Cynthia Naa Adoley** - Atmospheric water and rooftop rainwater harvesting to supplement intermittent domestic water supply in the major cities of Ghana.	**[O92] Silveira Antonio** - Data-driven identification of interpretable wastewater resource recovery models
10:15	10:30	**[O73] Scheynen Jana** - N2O Mitigation from Aerobic Granular Sludge treating Wastewater with increasing Substrate Complexity using Step-feeding Sequencing Batch Reactors	**[O83] Setiawan Erbi** - Assessing Rainwater Harvesting as An Alternative Water Resource in Coastal Tourism-Residential Areas: A Mass Flow Approach in Badung, Bali	**[O93] Ali Moradvandi** - Towards energy-autonomous thermophilic anaerobic digestion: Adaptive model predictive control for demand-oriented production
10:30	11:00	Coffee break		
11:00	11:15	**[O74] Coelmont Toon** - From fat layer failure to feature: optimizing reactor design and operation for hydrolysis pretreatment of lipid-rich wastewater	**[O84] Magain Cédric** - Why sensors are not enough: lessons from a co-constructed irrigation Decision Support System in horticulture	**[O94] Li Yunzhi** - Which Groundwater Micropollutants Matter Most? A Multi-Criteria Prioritization Framework Combining Mobility, Monitoring Occurrence, and Toxicity Evidence
11:15	11:30	**[P19] De Pauw Maureen** - Against the O2dds: survival of nitrifiers in anaerobic conditions **(Poster Pitch)** **[P23] Seguel Karina** - Characterizing Domestic Wastewater Variability: Implications for Monitoring and Process Optimization **(Poster Pitch)**	**[O85] Gritten Fanny** - Smart-water cities: A software solution to evaluate environmental and flood protection impacts of urban planning projects: a multi-criteria approach (quantity, quality, ecosystem services)	**[O95] Chen Weihao** - Making Deep Learning Understandable for Wastewater Management: Bidimensional Interpretation of Dissolved Oxygen Prediction in a Full-scale Treatment Plant
11:30	11:45	**[P21] De Peuter Hanne** - Influence of COD/N ratio and organic loading rate on the extracellular polymeric substance (EPS) fingerprint of activated sludge **(Poster Pitch)**	**[P01] Willems Luna -** Freshwater for the future: monitoring water quality in agricultural lowlands **(Poster Pitch)** **[P02] Aitor Cendoya** - Flooded Abandoned Mines as Seasonal Thermal Energy Storage: Water as the Key Medium for Renewable Energy Integration in the BENELUX Region **(Poster Pitch)**	**[O96] Coghe Mathieu** - Balancing the 3Es at Hessenpoort WWTP: CFD-integrated N_2O modelling and Pure Oxygen aeration evaluation
11:45	12:00	Q&A	Q&A	**[P25] Duchi Simon** - Cost-effective optimization using dynamic modelling and CFD: case study in a large-scale industrial WWTP **(Poster Pitch)**
12:00	13:30	**Lunch & poster session 3**		
		Closing Ceremony Room L3 Amphitheater (Marguerite Horion-Delchef)		
13:30	14:15	Einstein Telescope : Sustainability, water challenges and future opportunities, *by Dr. Philippe Orban, University of Liège*		
14:15	15:15	You know water - now it's time to make waves *by Marjolein Vanoppen, Ghent University*		
15:15	16:00	Best presentation & poster awards + closing words from organizers		

Time		29/10/2026 (Thursday, day 4) Technical tour
08:00		Departure city center Liège
09:00	10:00	Limbourg — Rhuyff redevelopment and flood resilience Hosted by the Municipality of Limbourg
10:30	12:30	Gileppe Dam — Water storage and strategic supply Hosted by SPW
12:30	14:30	Lunch at the Gileppe panoramic tower
15:00	16:00	SWDE Stembert — From reservoir water to drinking water Hosted by SWDE
17:30		Retour city center Liège

Session	Ref	Posters
Poster Session 1 - Monday, 26 October 2026	P-01	Willems Luna - Freshwater for the future: monitoring water quality in agricultural lowlands
	P-02	Aitor Cendoya - Flooded Abandoned Mines as Seasonal Thermal Energy Storage: Water as the Key Medium for Renewable Energy Integration in the BENELUX Region
	P-03	Vervaet Lies - Can Reactor Design Reduce Harmful Disinfection Byproducts in Water Reuse? A CFD-Based Approach to Minimizing Bromate in Ozonation
	P-04	Farghal Hebatullah - Magnetic Gelatin/Gum Ghatti composite for the capture of pharmaceutical contaminants from wastewater
	P-05	Mol Zoë - Enhancing Micropollutant Removal from Secondary Wastewater Effluent through a combination of Ozone and Activated Carbon adsorption
	P-06	Saedi Zohreh - Towards Decentralized Control of Pharmaceutical Emissions: Pilot-Scale Evaluation of Hybrid Treatment Trains for Hospital Wastewater
	P-07	Lena Brouwir - Fate and Removal of Antibiotics and Antibiotic Resistance Genes in a Rural Wastewater Treatment Plant: A Microbial Perspective of Nature-Based Versus Advanced Technologies
	P-08	Faghih Nasiri Elaheh - Advancing Nature-Based Systems for the Mitigation of Emerging Contaminants in Urban Water Discharges
	P-09	Marcolino Luísa - Optimising treatment wetland design for combined sewer overflow
	P-10	Lezy Jente - Full-Scale Constructed Wetland With Iron-Oxide-Coated Sand Filter For Domestic Wastewater Treatment
Poster Session 2 - Tuesday, 27 October 2026	P-11	De Smet Kenzie - Methalgae cultures for ectoine production from biogas
	P-12	Cavenaile Agathe - Safe2ReUse: risk analysis and mitigation for reclaimed wastewater
	P-13	Varisano Luca - Flow direction and intensity of groundwater characterized using Active-Distributed Temperature Sensing
	P-14	Collignon Victoria - Groundwater vulnerability considered as a spatial constraint in urbanization scenarios at the scale of Walloon Region by 2050
	P-15	Lenaerts Carole - Upgrading decentralized wastewater treatment systems for stricter discharge limits: Coupling treatment wetlands with electrocoagulation and/or adsorption
	P-16	Femke de Boer - The Socio-Political Landscape of Decentralised Water Systems
	P-17	Aspillaga Charlie Jhon - Ceramic Nanofiltration Membranes via Atomic Layer Deposition for Wastewater Treatment
	P-18	Louchahi Zaineb - Representative SEM Characterization of Pore Sizes in a Flat-Sheet Ultrafiltration Membrane for Virus Removal Prediction
	P-19	De Pauw Maureen - Against the O2dds: survival of nitrifiers in anaerobic conditions
Poster Session 3 - Wednesday, 28 October 2026	P-20	Mata Calabuig Núria - Full-scale LUCAS®AGS: review after three years of operation
	P-21	De Peuter Hanne - Influence of COD/N ratio and organic loading rate on the extracellular polymeric substance (EPS) fingerprint of activated sludge
	P-22	Verstraeten Elise - Evaluating the Downstream Impacts of a CSO Weir Modification Using Continuous Sewer Monitoring Data
	P-23	Seguel Karina - Characterizing Domestic Wastewater Variability: Implications for Monitoring and Process Optimization
	P-24	Brouwir Lena - Evaluation of Biological Quality Elements Using Periphyton Genomics: From Community Profiling to Novel Biological Indices for in-Field Assessment
	P-25	Duchi Simon - Cost-effective optimization using dynamic modelling and CFD: case study in a large-scale industrial WWTP
	P-26	De Jonge Laura - Assessing health risks due to Legionella pneumophila while showering by means of an experimental setup
	P-27	Quabron Gilles - MICROSENSE: Development of a novel microbial bioindicator to evaluate biodegradation potential of micro, - and macro pollutants soil and water
	P-28	Cavenaile Agathe - Oxygenic photogranules : when photrophs and heterotrophic bacteria team up to treat wastewater