The Global Water Future 2026
A Holistic Approach to Water Monitoring and Conservation
II International Interdisciplinary Conference

23–25 September 2026

Borucino 77, 83-323 Kamienica Szlachecka, Poland

University of Gdańsk
Center for Water Monitoring and Protection

Conference schedule

Day 1: Wednesday, 23 September 2026

9:00–10:00	Registration		
10:00–10:30	Opening Ceremony	Julita Dunalska, Włodzimierz Golus	University of Gdańsk, Gdańsk. Poland
	Keynote Lecture		
10:30–11:30	**Keynote Lecture**	Helen Greaves	University College London, London, England
11:30–12:00	**Coffee break**		
	Session I: Lakes and Reservoirs		
12:00–12:20	Insights for adaptive management of eutrophic lakes on the example of a protected eutrophic lake (Lake Góreckie, Wielkopolski National Park, Poland)	Mariusz Pełechaty, Sarkhan Ibrahimov, Renata Dondajewska-Pielka, Lech Kaczmarek, Aleksandra Pełechata	Adam Mickiewicz University, Poznań, Poland
12:20–12:40	Century-Scale Hydrological Transformation of an Urban Lake: The Case of Lake Czerniakowskie	Agnieszka Bańkowska-Sobczak, Michał Wasilewicz	Warsaw University of Life Sciences, Warsaw, Poland
12:40–13:00	Proposals for the restoration of Lake Rogoźno based on 25 years of observations	Przemysław Benz	Rogozińskie Lake Association, Rogoźno, Poland
13:00–14:00	**Lunch**		
	Session II: Aquatic Risks and Changing World		
14:00–14:20	*Prymnesium parvum* Harmful Algal Blooms during the Oder River disaster in summer 2022, and after-effects in aquatic ecosystem	Agnieszka Napiórkowska-Krzebietke	National Inland Fisheries Research Institute, Olsztyn, Poland
14:20–14:40	Legal protection of rivers in crisis situations: the case of ecological disaster on the River Oder	Elżbieta Zębek	University of Warmia and Mazury, Olsztyn, Poland
14:40–15:00	The influence of elevated temperature on the germination success of aquatic plants	Joanna Rosińska, Eric Puche, Manuel Muñoz-Colmenares, Maria A. Rodrigo, Julia Gostyńska, Dariusz Halabowski	Poznań University of Life Sciences, Poznan, Poland; University of València, València, Spain; University of Lodz, Lodz, Poland
15:00–15:20	Diatom communities of springs in the coastal zone of northern Poland	Iwona Bubak , Izabela Chlost	University of Gdańsk, Gdańsk, Poland

15:20–15:50	**Cofee break**		
Session III: Ecology, Water Quality and Management			
15:50–16:10	The role of seasons in influencing the variability of physicochemical characteristics of wastewater from the Płaszów Wastewater Treatment Plant in the context of reducing eutrophication potential	Justyna Pyssa, Magdalena Piech, Dominika Uchmanowicz, Laura Węgrzyn, Ewa Pyssa, Agnieszka Orzechowska-Zięba, Eliza Wolak, Katarzyna Styszko	AGH University of Kraków, Poland; Coca-Cola HBC Polska sp. z o.o., Poland; Jagiellonian University in Kraków
16:10–16:30	Environmental impact assessment of inland aquaculture facilities: legal framework, best practices and recommendations	Anna Małgorzata Wiśniewska, Dorota Fopp-Bayat	University of Warmia and Mazury, Olsztyn, Poland
16:30–16:50	Enrichment of the sea-surface microlayer with dissolved organic matter across various regions of the Baltic Sea	Violetta Drozdowska	Institute of Oceanography, Polish Academy of Sciences, Sopot, Poland
16:50–17:10	Environmental Controls on Macrophyte Contributions to Softwater Lake Sediments: A Bayesian Isotope Mixing Model Approach	Eugeniusz Pronin, Krzysztof Banaś, Rafał Chmara, Rafał Ronowski, Marek Merdalski, Anne-Lise Santoni, Olivier Mathieu	University of Gdańsk, Gdańsk, Poland; Université Bourgogne Franche-Comté, Dijon, France
18:00	**Conference Dinner / Social Event**		

Day 2: Thursday, 24 September 2026

8:00–9:30	**Breakfast**		
Session I: Young Scientists			
9:30–9:50	A New Lens on Baltic Plankton: Applying PlanktoScope in Routine Research	Adam Makatun, Justyna Kobos, Agata Weydmann-Zwolicka	University of Gdańsk, Gdańsk, Poland
9:50–10:10	Enrichment of the Sea Surface Microlayer in Selected Contaminants in Low and High Anthropopressure Region – a Comparative View	Joanna Buch, Martyna Malinowska, Marta Staniszewska, Anita Lewandowska	University of Gdańsk, Gdańsk, Poland
10:10–10:30	Surface Water Contamination by Polycyclic Aromatic Hydrocarbons in Selected Norwegian Seaports and on the Transect Between Them	Filip Blejczak, Anita Lewandowska, Marta Staniszewska	University of Gdańsk, Gdańsk, Poland
10:30–10:50	Physicochemical and Toxicological Assesment of Sediment Contamination in Deep-Water Pockmarks of the Gdańsk Basin	Maja Starzyńska, Katarzyna Łukawska-Matuszewska, Bartłomiej Michał Cieślik, Aleksandra Brodecka-Goluch, Jakub Idczak	University of Gdańsk, Gdańsk, Poland, Gdańsk University of Technology, Gdańsk, Poland
10:50–11:20	**Coffee break**		

Session II: Young Scientists (continuation)			
11:20–11:40	Gdańsk-Elbląg Fairway Project and Its Influence on Water Quality of the Western Vistula Lagoon	Filip Molendys, Dorota Pryputniewicz-Flis, Krzysztof Pawlikowski, Ryszard Kornijów, Dorota Burska	University of Gdańsk, Gdańsk, Poland
11:40–12:00	Greenhouse Gas Emissions from Intermittent Rivers: A Meta-analysis and Field Study of the Mała River	Wiktoria Aneta Leśniewska, Mateusz Grygoruk, Agnieszka Bańkowska-Sobczak	Warsaw University of Life Sciences, Warsaw, Poland
12:00–12:20	A settlement gap or an evidence gap? High-resolution multiproxy palaeoecology and archaeology reveal landscape dynamics during the first millennium CE in Greater Poland (western Poland)	Sambor Czerwiński, Piotr Kołaczek, Jakub Niebieszczański, Mariusz Gałka, Katarzyna Marcisz, Oliwia Kubiak, Maurycy Żarczyński, Mariusz Lamentowicz	University of Gdańsk, Gdańsk, Poland; Adam Mickiewicz University in Poznań, Poznań, Poland; University of Łódź, Łódź, Poland
12:20–12:40	Assessment of Changes in Groundwater Quality in the Vicinity of the Jeziorsko Retention Reservoir	Kinga Mikołajczyk, Mateusz Urbaniak, Roksana Kruć-Fijałkowska	Adam Mickiewicz University in Poznan, Poznan, Poland
12:40–13:40	**Lunch**		
Session III: Young Scientists (continuation)			
13:40–14:00	Holocene Environmental Changes in Eastern Carpathians: Multi-Proxy Reconstruction of Varved Sediments of Lake Synevyr	Anugrah Chettintavida, Wojciech Tylmann, Maurycy Żarczyński	University of Gdańsk, Gdańsk, Poland
14:00–14:20	Blue-Green Infrastructure in Urban Areas: Trends, Tools, and Challenges	Julia Tarasek, Julita Dunalska, Włodzimierz Golus	University of Gdańsk, Gdańsk, Poland
14:20–14:40	Verification of the Possibility of Using Graph Models to Forecast Changes in Lake Water Quality	Rafał Głuszewski	University of Gdańsk, Gdańsk, Poland
14:40–15:10	**Coffee break**		
15:10–17:40	**Workshop 1**		
17:40–18:40 Poster Session			
1	Environmental Contamination of Recreational Beaches in Northern Poland with Soil-Transmitted Helminths: A One Health Study	Sara Drobińska, Hubert Armin Cielica, Mikołaj Wybański, Karolina Rysak, Anna Lass, Maciej Grzybek	Medical University of Gdańsk, Gdańsk, Poland
2	Floating between two worlds – tychoplanktonic species occurring in plankton and benthos	Oliwia Gorgoń, Iwona Bubak	University of Gdańsk, Gdańsk, Poland

3	Environmental microplastics as vectors of pharmaceuticals in the aquatic environment – studies on the adsorption of selected compounds	Eliza Wolak, Agnieszka Orzechowska-Zięba, Elżbieta Vogt, Dominika Uchmanowicz, Laura Frydel, Justyna Pyssa, Irena Brunarska, Katarzyna Styszko	AGH University of Kraków, Kraków, Poland; Jagiellonian University, Kraków, Poland
4	Occurrence of selected pharmaceuticals in the bottom sediments of aquatic environments determined by UHPLC-MS/MS	Agnieszka Orzechowska-Zięba, Eliza Wolak, Elżbieta Vogt, Dominika Uchmanowicz, Laura Węgrzyn, Justyna Pyssa, Anabela R. Reis, Rosa Rego, Katarzyna Styszko	AGH Universiy of Kraków, Kraków, Poland
5	Changes in Carbon and Nitrogen Isotopic Composition of Organic Matter in Bottom Sediments Following A Cyanobacterial Bloom	Adriana Trojanowska-Olichwer, Marta Jakubiak	University of Wrocław, Wrocław, Poland
6	Degradation of Small Water Bodies in a Post-Glacial Lake District Undergoing Progressive Urbanisation	Zuzanna Kroenka, Włodzimierz Golus	University of Gdańsk, Gdańsk, Poland
7	Phosphate sorption on the modified expanded clay reactive material BioKer	Krzysztof Kobus, Katarzyna Pikuła	Koszalin University of Technology, Koszaalin, Poland
8	Water quality and quantity assessment in the context of agro-hydrosystem – what about the water future?	Agnieszka Napiórkowska-Krzebietke	National Inland Fisheries Research Institute, Olsztyn, Poland
18:40	**Grill and social gathering**		

Day 3: Friday, 25 September 2026

8:00–9:30	**Breakfast**
9:30–12:30	**Workshop II**
12:30–13:00	**Coffee break**
13:00	Closing ceremony