Water Science Alliance
Deutsche Wasserforschungsallianz

DGL
Deutsche Gesellschaft für Limnologie e.V.

IGB
Leibniz Institute of Freshwater Ecology and Inland Fisheries

Humboldt-Universität zu Berlin

16th WRHC 2026

Conference Agenda: Monday 14 September 2026

9:00 - 10:45 — Registration

10:45 - 11:30 — Opening Remarks (WSA, DGL, IGB, SenMVKU, DFG)

11:30 - 12:30

Session: Improved Water Balance Quantification and Process Representation in the Anthropocene

Keynote: "Process-based Evaluation of Hydrological Models in a Human Dominated World – A Question of Control", Thorsten Wagener (Uni Potsdam)

Investigating the Quagga Mussel Invasion at Lake Müggelsee (Berlin) via Remote Sensing
Zeno Mayr

Berlin Water Model as a Decision-Support Tool for Urban Water Management
Michael Rustler

Improved Water Balance Quantification and Process Representation in the Anthropocene: A Case Study in Ghana
Louis Darah

Lunch

1:30 - 3:00

Session: Water Data and Knowledge Generation in Times of AI and Citizen Science

Keynote: "Beyond Algorithms: From Field Data to Hydrological Predicitions Across Landscapes in the Age of AI", Andreas Hartmann (TU Dresden)

DNA Makes it into Schools – on the Value of Citizen Science Projects for Environmental Monitoring
Marie-Thérése Werner

Assessing the Potential of Environmental DNA for Flow Path Tracing in Hillslopes
Yvonne Schadewell

Ground-Truthing at Scale: Lessons from Low-Cost IoT Sensor Networks for Small Stream Monitoring in NW Germany
Florian Leischner

Nature-Based Solutions in Urban Areas: How Ecohydrological Data can Support Design and Maintenance of Blue-Green Infrastructure
Maria Magdalena Warter

Tracing the Occurrence and Spatial Drivers of Organic Contaminants in Urban Ponds Along Urbanization Gradients
Elise Malsch-Fröhlich

Management Systems for Drinking Water Supply: The Responsible Use of AI
Stefan Liehr

Coffee Break

3:30 - 4:30

Plenary: Jeanette Völker (UBA) & Masahiro Ryo (ZALF)

hosted by WSA

4:30 - 5:15 — **Award Ceremony**

5:15 - 6:00 — WSA General Assembly

from 6:00 — Get Together

More information and registration:

Water Science Alliance
Deutsche Wasserforschungsallianz

DGL
Deutsche Gesellschaft für Limnologie e.V.

IGB
Leibniz Institute of Freshwater Ecology and Inland Fisheries

Humboldt-Universität zu Berlin

16th WRHC 2026

Conference Agenda: Tuesday 15 September 2026

8:00 - 9:00 — Registration

09:00 - 10:00 — **Plenary: Damien Bouffard (Eawag / Université de Lausanne)**
hosted by DGL

Coffee Break

10:30 - 12:00

Session: Future Data For Water Future

Keynote: "The Missing Glue: Connecting Digital Water Data Infrastructures Across Europe",
Juha Oksanen (Geoportti RI)

Digitization of Analogue Records Using Citizen Science
Hannes Müller-Thomy

An AI-Driven Framework for the Datafication of Historical Source Materials
Malte Rehbein

CleanCityCover: A Data-Driven Framework for Identifying Urban Diffuse Pollution Hotspots in Berlin
Boney Anna Joseph

Data quality assessment in wastewater surveillance
Viola Rädle

Integrating Multi-Source Streamflow Data Using Random Forest: A Case Study from South Asia
Rana Muhammad Mubeen Muhsin

Session: Shifting Baselines

Keynote: "Living Kindness: Rethinking Human-Water Relations in Theory and Practice",
Veronica Strang (Oxford University)

Following the Catfish: Rethinking Shifting Baselines through Amazonian Water Worlds
Jenny García Ruales

Shifting Baselines in Himalayan Spring Systems: Community Perceptions, Environmental Change, and Water Security in the Anthropocene
Akshita Sharma

Four Decades of the Environmental Specimen Bank in Support of Adaptive Reference Conditions in Environmental Protection
Jan Koschorreck

FLOW: Analyzing Streams – Creating Knowledge Together
Gemma Burgazzi & Louisa-Marie von Plüskow

12:00 - 1:00 — Lunch

1:00 - 2:30 — **Poster Session**

Coffee Break

3:00 - 4:00

Workshops

Dive into (e)DNA methods
Florian Leese, Hans-Peter Grossart & Michael Monaghan

NFDI4Earth at a Glance: Open Services and Support for Research Data Management in the Earth System Sciences
Jörg Seegert & Tom Niers

Citizen Science in Hydrological Projects: From Concept to Implementation
Suzanne Jacobs & Björn Weeser

4:00 - 4:30 — Closing Remarks

End

More information and registration: