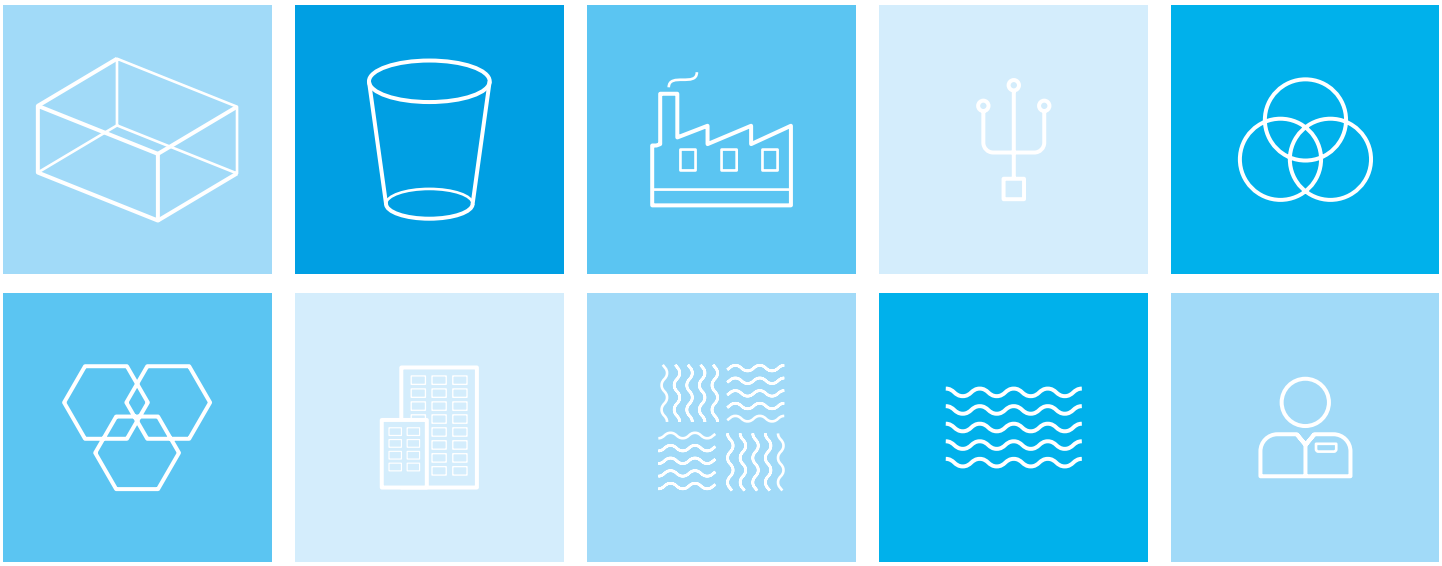
Global Water
Knowledge & Expertise

the international water association

IWA Specialist Groups



IWA Specialist Groups

The International Water Association (IWA) is a global knowledge hub for water professionals and anyone concerned about the future of water, which connects scientists to practitioners and communities, pioneering research, fostering technological innovation, and driving best practice through international frameworks and standards. The unique strength of IWA is bringing together experts from across sectors, geographies and disciplines into communities of practice.

The water leaders of IWA Specialist Groups works together to share knowledge and best practices that help develop sustainable water solutions. This is organised through events and publications, promoting collaboration through online and offline opportunities and tools, and stimulating dialogues and collaboration that help share the latest science, technology and practice.

Main activities

- Conferences & Workshops
- Books, Journals & Reports
- Online Discussions & Collaboration
- Task Groups & Working Groups
- Webinars & Training activities
- Group newsletters

IWA'S SPECIALIST GROUPS - CONNECTING WATER LEADERS TO BRIDGE THE GAP BETWEEN SCIENCE AND PRACTICE, AND INNOVATING TO TURN WATER CHALLENGES INTO OPPORTUNITIES.

The IWA Specialist Groups **organize specialized conferences and workshops** to bring world-leading water professionals together to share topical high quality content and new findings that bridges the chasm between researchers and practitioners, and acceleratse the diffusion of innovation.

Specialist Groups also **develop game-changing tools and publications** that influence the entire water sector.

From the renowned *Activated Sludge Models, Performance Indicators* or the *IWA Water Balance*, to exceptional contributions to the knowledge economy by authors and editors of the *Water Research Journal*, and *Journal of Water Science and Technology*, as well as of IWA books such as *Biological Wastewater Treatment*. A joint effort of all Specialist Groups has been on *Global Trends and Challenges in Water Science, Research and Management compendium,* which has identified the hot topics, innovations and global trends in water science, research and management that will have long-lasting impact in solving global water challenges.

Sharing knowledge, opinions and news online through the IWA website and IWA Connect enables the Specialist Groups and their members to share solutions, and recognize and promote the work of group members and group activities.

Formed by one or more Specialist Groups, Task Groups are one of the ways IWA brings together academia and practice, adding knowledge to the sector. **Task Groups** deliver critical work through **Scientific and Technical Reports**, or **Manuals of Best Practice,** that describe the state-of-the-art in certain disciplines, or a consensus to move forward in certain fields.

Another way in which IWA Specialist Groups organise are **Clusters**. These facilitate systematic "conversations" across Specialist Groups on addressing cross-cutting issues that one Specialist Group cannot address alone. There are currently three clusters: the **IWA/ISME Bio Cluster**, the **Alternative Water Resources Cluster**, and the **Resource Recovery from Water Cluster.**

THE 50 SPECIALIST GROUPS ARE THE ENGINE OF IWA. THEY COVER THE WHOLE SPECTRUM OF THE WATER CYCLE.

To know more about the IWA's Specialist Groups, visit: www.iwa-network.org/iwa-specialist-groups/

IWA's 50 Specialist Groups

Advanced Oxidation Processes
Anaerobic Digestion
Assessment and Control of Hazardous Substances in Water (ACHSW)
Benchmarking and Performance Assessment
Biofilms
Chemical Industries
Design, Operation and Costs of Large Wastewater Treatment Plants
Design, Operation and Maintenance of Drinking Water Treatment Plants
Diffuse Pollution and Eutrophication
Disinfection
Efficient Urban Water Management
Environmental Engineering Education
Forest Industry
Groundwater Restoration and Management
Health Related Water Microbiology
Hydroinformatics (Joint IWA/IAHR/IAHS)
Institutional Governance and Regulation
Instrumentation, Control and Automation
Intermittent Water Supply (IWS)[New]
Lake and Reservoir Management
Marine Outfall Systems (Joint IWA/IAHR)
Membrane Technology
Metals and Related Substances in Drinking Water
Microbial Ecology and Water Engineering
Modelling and Integrated Assessment
Nano and Water
Non-Sewered Sanitation[New]
Nutrient Removal and Recovery
Odours and Volatile Emissions
Particle Separation
Pretreatment of Industrial Wastewaters
Public and Customer Communications
Rainwater Harvesting & Management (RWHM)
Resources Oriented Sanitation
Sanitation and Water Management in Developing Countries
Sludge Management
Small Water and Wastewater Systems
Statistics and Economics
Strategic Asset Management
Sustainability in the Water Sector
Tastes, Odours, and Algal Toxins in Drinking Water
Resources and Aquaculture
Urban Drainage (Joint IWA/IAHR)
Wastewater Pond Technology
Water and Wastewater in Ancient Civilizations
Water Loss
Water Reuse
Water Safety Planning
Water Security and Safety Management
Watershed and River Basin Management
Wetland Systems for Water Pollution Control

Join IWA Specialist Groups

Knowledge exchange and collaboration between research and practice are paramount for a sustainable, water-wise world. Being part of the IWA Specialist Groups enables IWA members to delve into a deeper understanding of the complex challenges we face and cooperate with other top leaders in the field. IWA Specialist Groups are an exceptionally effective means to break down the silos in the sector, and to connect internationally to share knowledge, extend your personal network, further your professional development and explore the latest career and collaboration opportunities.

"THE GLOBAL GRAND CHALLENGE OF WASTEWATER AND SANITATION CAN BE MET BY CREATING POTENTIAL MARKETS FOR RECLAIMED WATER, ENERGY AND NUTRIENTS. WE MUST BE INVENTIVE AND ADD VALUE BY TRANSFORMING RECOVERED RESOURCES INTO COMMODITIES THAT ARE DESIRED AND VALUED BY CONSUMERS."

PROF. WILLY VERSTRAETE - UNIVERSITY OF GHENT, BELGIUM

"WATER QUALITY IS HEALTH. OUR GLOBAL HEALTH (AS THE BIOHEALTH OF THE PLANET) IS AT RISK LIKE NO OTHER TIME IN HISTORY. WATER QUALITY IS DEGRADING AND IT IS A COMPLEX WICKED PROBLEM. THE STATUS OF THE WATER QUALITY DATA IS DISMAL, BUT WE NOW HAVE THE TOOLS TO TACKLE THIS PROBLEM."

PROF. JOAN ROSE - MICHIGAN STATE UNIVERSITY, USA

Join the International Water Association today and explore, contribute, learn and network with the world's leading water professionals.

www.iwa-network.org/iwa-specialist-groups/

#IWAspecialists

the international water association

inspiring change

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