

MIA is one of the Specialist Groups (SGs) under the International Water Association (IWA) and aims to **address and promote** all aspects of **modelling, simulation** and the formal methods of **applying systems analysis** to managing and improving the quality of the aquatic environment. We target people from research, consulting companies, institutions and operators to consider and apply the use of models and computing tools to support the understanding, management and optimisation of water systems.



MIA is also responsible for maintaining a forum for the discussion of **inter-disciplinary issues** within the IWA to augment the engineering and economic elements of problem-solving with those having **human, institutional and cultural dimensions** to them. The SG is also directed, therefore, at developing and promoting the application of systematic procedures for Integrated Assessment.



SPECIALIST GROUP ACTIVITIES

CONFERENCES

The group convenes high-impact **conferences and workshops** in the field, such as the **WRRmod** (previously known as WWTmod) and **Watermatex** conference series.

WRRmod aims to bring together modellers from academia and industry, focusing on discussion rather than one-way presentations and encouraging a critical dialogue and convergence of ideas.

Watermatex aims to solve water problems with systems analysis tools in the wide application fields including sewer systems and water treatment, surface and groundwater, technical and natural systems.



WORKSHOPS & PROFESSIONAL PLATFORMS

MIA has also organised a series of workshops and professional platforms with the aims of knowledge transfer, shared development and collaboration on new tools and applications of models for better decision and uncertainty analysis. We are constantly developing new ways of communicating newly developed tools and broadening our collaborative network. Stay tuned for upcoming events.



CURRENT AMBITIONS

To interact and streamline activities with other IWA SGs, academic and professional organizations and establish strong collaboration within relevant fields that would utilize models or other tools MIA developers (e.g. task groups and working groups) to address challenges related to modelling.

- MIA related sessions at a diversity of international conferences and events
- Participation in the IWA Strategic Council sub-committee on specialist groups
- Contribution to a roadmap for collaborations based on the Global Trend Report 2016
- MIA webinars and discussion of modelling questions on MIA webpage or IWACoConnect

You can also find out more information about our various activities either through our task groups and working groups, on IWACoConnect or our website.



TASK GROUPS & WORKING GROUPS

The specialist group stimulates initiation and hosts several Task Groups (TG) and Working Groups (WG) on specific emerging topics of interest. These include:

- Benchmarking of Control Strategies Task Group
- Good Modelling Practice Task Group
- Design and Operations Uncertainty (DOUT) Task Group
- Generalised Physico-chemical Modelling Task Group
- User of Modelling for Minimising GHG Emissions from Wastewater Systems Task Group
- Modelling Integrated Urban Water Systems (MIUWS) Working Group
- Computational Fluid Dynamics (CFD) Working Group
- Life Cycle Analysis (LCA) Working Group



MANAGEMENT COMMITTEE



Specialist Group Chair
Ingmar Nopens
Ghent University, Belgium



Vice-Chair
Ulf Jeppsson
Lund University, Sweden

15 Senior Members
14 Young Water Professionals

across

13 Countries
21 Institutions



CONTACT US

The MIA group actively engages with the urban water community. If you are unable to meet us at one of IWA's many events, you can reach us in a number of ways...

IWAConnect Modelling and Integrated Assessment Group



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