



Water Joint Programming Initiative

Water Challenges for a Changing World

**Advisory Boards
Stakeholders Advisory Group**

October 2016

Stakeholders Advisory Group

Acqueau, the EUREKA Cluster for water

ARC, Aqua Research Collaboration

CIS, Common Implementation Strategy

EIFAAC-FAO, European Inland Fishery And Aquaculture Advisory Commission

EIP Water, European Innovation Partnership on Water

EU-INBO, EU Network of River Basins Organisations

EurAqua, European Network of Freshwater Research Organisations

EurEau, European Federation of National Associations of Water and Wastewater Services

EWA, European Water Association

WssTP, Water Supply and Sanitation Technology Platform

- [Chair](#): Antonio Lo Porto, EURAQUA
- [Vice-Chair](#): name to be confirmed

ARC

The **Aqua Research Collaboration (ARC)** was established in January 2010. The founding members of **ARC** are all European applied research institutes with a critical mass and proven intellectual and professional leadership in the watercycle research in Europe. These institutes dedicate themselves, within the Aqua Research Collaboration, to the development of European research into the water-use cycle. Their aim is to collectively strengthen the knowledge basis for all water cycle stakeholders by facilitating research, supporting the implementation of knowledge, and supporting capacity building, in particular of the water-related knowledge infrastructure in other member states. The mission of **ARC** is to catalyse the transition towards enhanced and more sustainable watercycle system services in Europe by:

- Increasing the stock of knowledge through research in a European Collaborative Framework;
- Supporting, demonstrating and implementing new applications through action research with end users;
- Strengthening the European watercycle research system by utilizing synergies between Europe's leading watercycle research institutes and by capacity building in regions of Europe not yet connected to the European science system.

ARC has successfully initiated a number of applied European water research projects under FP6, FP7 and Horizon 2020, e.g. TECHNEAU, PREPARED, TRUST, DEMEAU, DESSIN and BINGO.

The **ARC** secretariat is currently hosted by **IWW Water Centre**, one of the leading water research institutes in Germany and a prominent member of the international research community. In its research branch, IWW is a private, non-profit organization affiliated with the University of Duisburg-Essen. Founded in 1986, IWW currently employs about 120 employees at the location Mülheim an der Ruhr/Germany. The 20 shareholders of IWW are mainly from the water-supply and wastewater sector.

The consulting and services branch provides expertise to water suppliers, industry, and public authorities in technical and analytical issues. IWW offers a broad range of service water analyses and is accredited for inorganic, organic, and microbiological parameters. A special focus is on quality control for service laboratories. IWW organises inter-laboratory trials in Germany and is involved in EU-wide quality assessment projects. Water economy and management consulting includes performance measurement, benchmarking, socio-economic assessments and technical risk assessment for public and industrial water supply.

The main fields of activity are water resources management, water technology, water networks, water quality analysis, applied microbiology, water economy and management. Our research focuses on water quality modelling, membrane applications (UF/MF, NF, RO) for treatment of different water qualities, asset management, biofilm monitoring and prevention in water networks, household installations, and industrial cooling systems.

IWW is engaged in international water-related research projects, e.g. in China, Ireland, Bulgaria, Greece, and Croatia and in a number of EU-funded research projects and has successfully led a number of projects as project coordinator. We organize national and international conferences, such as on water contamination emergency issues (WCEC), asset management (IWA Leading Edge Strategic Asset Management Conference LESAM), or "Cities of the Future" (TRUST 2015). Besides being a founding member of the **Aqua Research Collaboration (ARC)**, IWW is member of leading national and international water associations, e.g. DVGW, DWA, BDEW, WssTP, IWA.

More info: <http://arc-online.eu/>

Wolf MERKEL		
Function	Managing Director (Chief Technical Officer)	
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Areas of expertise	<p>Born in 1966 in Wiesbaden, Germany, graduated in process engineering in 1985 at the University of Karlsruhe, Germany with a focus on water treatment technology. After a year as visiting scholar at Carnegie-Mellon-University working on contaminated site remediation, he worked on anaerobic wastewater treatment at the University of Stuttgart, Germany, finishing his PhD in 1997. Since 1998 he has been with IWW Rhenish-Westfalian Institute for Water Research (Muelheim, Germany) as a consultant and researcher in drinking water technology and water supply systems, since 2002 as managing director of IWW, the organisation which is currently hosting the ARC secretariat.</p> <p>Current fields of work: performance indicators, benchmarking, climate change adaptation, water and energy management, water safety plans, microbial risk assessment, asset management.</p>	

David SCHWESIG, delegate		
Function	Research Coordinator	
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Areas of expertise	<p>Born in 1972 in Herne, Germany, graduated in Environmental Sciences in 1997 at the University of Bayreuth, Germany, with a focus on soil science and environmental analytical chemistry. He worked at the Bayreuth Institute for Terrestrial Ecosystem Research (BITÖK), finishing his PhD in the field of biogeochemistry in 2001. Since 202 he has been with IWW Rhenish-Westfalian Institute for Water Research (Muelheim, Germany) as a researcher and deputy head of the inorganic analysis laboratory. Since 2009 as research coordinator of IWW, the organisation which is currently hosting the ARC secretariat.</p> <p>Currently responsible for shaping the research agenda of IWW and ARC, initiating and coordinating large scale integrated research projects at EU level, e.g. TRUST (www.trust-i.net) and DESSIN (www.dessin-project.eu), - both projects driven by a core team of ARC members.</p>	

CIS and EIP Water

Common Implementation Strategy – CIS

The implementation of the Water Framework Directive raises a number of shared technical challenges for the Member States, the Commission, the Candidate and EEA Countries as well as stakeholders and NGOs. In addition, many of the European river basins are international, crossing administrative and territorial borders and therefore a common understanding and approach is crucial to the successful and effective implementation of the Directive.

In order to address the challenges in a co-operative and coordinated way, the Member States, Norway and the Commission agreed on a **Common Implementation Strategy (CIS)** for the Water Framework Directive only five months after the entry into force of the Directive.

The results of this work, for instance guidance documents, resource documents or key events related to different aspects of the implementation is available on CIRCA, and Thematic **CIS** information sheets are available giving an overview with direct links to key documents available.

More details on the overall concept, the numerous activities and the mandates of the Working Groups under the **CIS** are given in the Work programmes informally agreed by EU Water Directors.

More info:

http://ec.europa.eu/environment/water/water-framework/objectives/implementation_en.htm

European Innovation Partnership on Water – EIP Water

European Innovation Partnerships (EIP) aim to speed up innovations that contribute to solving societal challenges, enhance Europe's competitiveness and contribute to job creation and economic growth. EIPs help to pool expertise and resources by bringing together public and private actors at EU, national and regional level, combining supply- and demand-side measures.

The European Innovation Partnership on Water - **EIP Water** in short - is an initiative within the EU 2020 Innovation Union. The **EIP Water** facilitates the development of innovative solutions to address major European and global water challenges. At the same time, the EIP Water supports the creation of market opportunities for these innovations, both inside and outside of Europe.

The **EIP Water** aims to remove barriers by advancing and leveraging existing solutions. Its implementation has started in May 2013 with the main objective to initiate and promote collaborative processes for change and innovation in the water sector across the public and private sector, non-governmental organisations and the general public. This is mainly done via the establishment of Action Groups.

More info: <http://www.eip-water.eu/>

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Areas of expertise	Water (WFD, Groundwater, Chemicals in Water, Water Scarcity and Droughts, Floods, EIP Water)	

Guido SCHMIDT, delegate		Photo
Function		
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Areas of expertise		

EIFAAC-FAO

European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC) is a regional fishery body of the Food and Agriculture Organization (FAO) of the United Nations. **EIFAAC** has 34 members: 33 member states and the European Union. The mission of **EIFAAC** is to promote the long-term sustainable development, utilization, conservation, restoration and responsible management of European inland fisheries and aquaculture, consistent with the objectives and principles of the FAO Code of Conduct for Responsible Fisheries and other relevant international instruments, and to support sustainable economic, social, and recreational activities towards these goals through:

- providing advice, information and coordination;
- encouraging enhanced stakeholder participation and communication; and
- the delivery of effective research.

The work of **EIFAAC** is done in projects managed by the Management Committee and the Technical and Scientific Committee.

More info: <http://www.fao.org/fishery/rfb/eifaac/en>

Teppo VEHANEN		
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Areas of expertise	Teppo Vehanen currently chairs the Technical and Scientific Committee of EIFAAC . He is also a senior researcher at the Natural Resources Institute Finland in Helsinki. He has been working with regulated rivers for more than ten years, and currently focuses on connectivity issues. His research interests include also Water Framework Directive, especially evaluating biological responses to human influences on riverine fish community. Related interests include experimental studies, mainly with salmonid fishes	

EU-INBO	
<p>The International Network of Basin Organizations (INBO) has the following objectives:</p> <ul style="list-style-type: none"> • to develop lasting relations between the organizations interested in comprehensive water resource management at the river basin level, and favour exchanges of experiences and expertise among them, • to promote the principles and means of sound water management in cooperation programs to reach sustainable development, • to facilitate the implementation of tools suitable for institutional and financial management, programming, organization of data banks, and for models adapted to the needs, • to promote information and training programs for basin organizations, • to encourage education of the population, • to evaluate ongoing actions and disseminate their results. <p>EU-INBO is the Group of European Basin Organizations for the implementation of the European Water Framework Directive.</p> <p>More info: http://www.inbo-news.org/</p>	

Gilles NEVEU		
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Areas of expertise	<p>Gilles Neveu is engineer in Industrial Chemistry and Water. He is currently the Director for Innovation and Development at the International Office for Water. His expertise covers in particular:</p> <ul style="list-style-type: none"> • Water management: broad knowledge of Water Supply and Sanitation (WSS) and Integrated Water Resources Management (IWRM), including floods control, regarding both technical and management issues, and public participation. • Human resources development: training of water professionals and local decision makers, creation and management of vocational training centres, training needs assessment, development of learning materials incl. eLearning (booklets, web based, CD-ROM). • Information management: design and management of documentation centres, implementation of water-related data management infrastructure. • Research & Development: dissemination of outcomes towards end-users, relaying needs from grass-roots users to researchers, analyse and assessment of programmes / projects ; he was the project director of the ERA-NET Coordination Action IWRM.Net, for coordinating Member-states research programmes in the field of water management. 	

EurAqua
<p>The aim of the European Network of Freshwater Research Organisation (EurAqua) is to contribute substantially to the development of European freshwater science and technology and its dissemination on a European scale, thus having a significant input on the development of the scientific and economic basis of European water management.</p> <p>The EurAqua Partner institutions are leading, generally public, freshwater research institutions in the Member States of the European Union plus Norway and Switzerland. They extensively support national policies as well as water business. Within the country, the EurAqua members are closely connected to other relevant institutions.</p> <p>Today, EurAqua consists of 24 partner institutes from 22 Countries.</p> <p>EurAqua collaborations:</p> <ul style="list-style-type: none"> • Water JPI – “Water Challenges for a Changing World” • PEER – Partnership for European Environmental Research • WssTP – European Technology Platform on Water <p>More info: http://www.euraqua.org/</p>

Antonio LO PORTO (Chair)		
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Areas of expertise	Water Resources and River Basin Management, Irrigation, Water quality	

EurEau	
<p>EUREAU - European Federation of National Associations of Water and Wastewater Services</p> <p>EurEau is the voice of Europe’s water sector. We represent drinking and waste water service providers from 29 countries in Europe, from both the private and the public sectors.</p> <p>Our members are the national associations of water services in Europe. At EurEau, we bring national water professionals together to agree European water industry positions regarding the management of water quality, resource efficiency and access to water for Europe’s citizens and businesses. The EurEau secretariat is based in Brussels, from where we coordinate the work of around 200 experts from member organisations and utilities and advocate common positions with EU decision makers.</p> <p>Our members are fully committed to the continuous supply of clean water and its safe return into the water cycle. We have a role in raising awareness of threats to the water environment. With a direct employment of around 500,000 people, the European water sector makes a significant contribution to the European economy.</p> <p>More info: http://www.eureau.org/</p>	

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Areas of expertise	Master in Chemical Engineering. Experience in the management of water resources and especially in “economic regulation” and “public-private partnership” for the management of water services	

Bertrand VALLET		
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Areas of expertise	<p>Before working in EurEau offices in Brussels, Bertrand started his career in France as manager for water related offer development with the compliance company APAVE. He then spent six years in Canada, first in the city of Montreal where he made research on waste water treatment for fish farm effluents and then in Quebec to work on his PhD in urban drainage and waste water treatment modelling. He finally came back in Europe to work for Aquafin as post-doctoral student on combined sewer overflow modelling.</p> <p>As policy officer for EurEau, he is now responsible for engaging with the European institution to promote the water services’ positions in Europe</p>	

EWA
<p>Founded on 22 June 1981, as the European Water Pollution Control Association, the scope of the Association was enlarged in 1999 with the change of name to the European Water Association (EWA).</p> <p>EWA is an independent non-governmental and non-profit making organisation dealing with the management and improvement of the water environment. It is one of the major professional associations in Europe that covers the whole water sector, wastewater as well as drinking water and water related waste. With member associations from nearly all European countries EWA consists of most European Union Member States, including all countries from Central and Eastern Europe which joined the European Union on 1 June 2013. Other European countries represented within the EWA are Albania, Serbia, Norway, and Switzerland.</p> <p>The aim of EWA is to provide a forum for the discussion of key technical and policy issues affecting the growing European region. This is done through conferences, workshops, meetings and special working groups of experts all organised on an international basis together with regular publications. EWA informs its members on the development of EU legislation and standardisation and seeks to influence the drafting when appropriate. It has close contacts with the European Commission (DG Environment), the European Committee for Standardization (CEN), the European Environment Agency (EEA) and the European Parliament. Through this exchange of knowledge, the main objective of EWA is to contribute to sustainable water management, a safe water supply and the protection of the water and soil environment.</p> <p>More info: http://www.ewa-online.eu/</p>

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Function	Vice-President	
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Areas of expertise	<p>Born in 1956 in Lourenço Marques, Mozambique, graduated in civil engineering in 1978 at the Technical University of Lisbon, Portugal. The PhD in Civil Engineering and the Aggregation were accomplished respectively in 1992 and 2003. He is presently Full Professor at the Scholl of Engineering of the Lisbon University (IST- UL), Portugal, where is sharing sanitary engineering and water quality and pollution control courses at Master and PhD level, in Civil and Environmental Engineering.</p> <p>Author of more than 250 publications (6 books, 16 chapters of books, and more than 230 papers in national and international Journals and Conference Proceedings). Co-author of more than 300 studies and projects of water supply and sanitation in Portugal, South America and African Countries, mainly Angola, Cape Verde and Mozambique.</p> <p>Current fields of work : sewer systems and processes, urban drainage, climate change adaptation, sanitation in developing countries and water and energy management.</p>	

WssTP
<p>The European Technology Platform for Water (WssTP) was initiated by the EC in 2004. WssTP covers the entire water value chain and involves all water-related private and public stakeholders in Europe and beyond with the growth of its multi-professional members from 7 in 2004 up to 144 in 2015. WssTP has an extensive network of RD&I experts connected into 16 professional working groups.</p> <p>WssTP's mission is: (a) to improve coordination and collaboration in RTD & Innovation across water value chain and in multi-lifecycles; (b) to enhance competitiveness of the European water sector and water-dependent industry and initiating new business models; (c) to contribute in solving water-related societal challenges through RTD & Innovation. WssTP provides extensive services to its members (online tools, support to project consortia, scientific publications & reports) as well as advising the EC on: (a) indicating R&I priorities related to water challenges in Europe and drafting calls, and (b) on strategic policy work to raise the profile of water in the EU.</p> <p>WssTP's vision is to facilitate actions that “by 2030 the European water sector will be regarded as a global leader in the provision of safe, clean and affordable water and sanitation moving towards a circular economy.”</p> <p>More info: www.wsstp.eu</p>

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Areas of expertise	<p>Water sector management and research.</p> <p>Durk Krol is Director of the WssTP. He joined the WssTP in 2008, first as a Board Member and Treasurer. He has worked in the water sector at the European level for the last 8 years, initially as a Senior Legal Policy Officer for the water department of provincial government of Friesland (NL). As Deputy Secretary General of the European federation of national water associations of water suppliers and waste water services (EUREAU), he was actively promoting the common interests of the European water service sector to the EU institutions and stakeholders which enabled its members to adequately deal with opportunities arising from EU policy and its national implementation. He has also closely been involved in the creation of the EP Water Group in the European Parliament.</p>	

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