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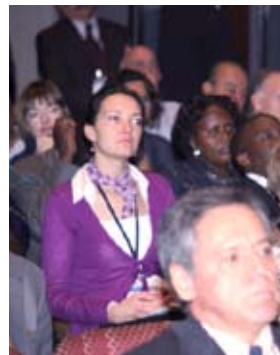
Bangkok Waterlinks Forum



11 Specialist Groups



Water and sanitation sector professionals advance Millennium Development Goals at 1st IWA Development Congress



Over 400 delegates from 60 countries discussed water and sanitation solutions in developing countries at the first IWA Development Congress, organised by the International Water Association (IWA) and the National Autonomous University of Mexico. Held in Mexico City, the congress covered a wide range of topics from technical and management aspects to innovation and finance. Three years of work culminated in a congress that brought together financiers, practitioners, NGOs, utilities and industry to demonstrate practical solutions applied around the world.

The IWA Development Congress series aims to share knowledge and practice that will accelerate service delivery progress in relation

to the Millennium Development Goals (MDGs). The series places particular emphasis on 'ideas that work' – solutions that have the greatest potential for change and transformation of water and sanitation service delivery in developing countries.

IWA has made a long term commitment to strengthen the water sector in low and middle income countries. Through the Development Congress series and the IWA Development Solutions division, the Association aims to facilitate peer based learning, support technical innovations and provide sector professionals with the tools to sharpen their own 'know-how' in the sector.

Many local and international sponsors enabled IWA to reach out to the water sector in Africa, Asia and Latin America. In particular, the Bill and Melinda Gates Foundation made it possible for a significant delegation from Africa to attend the congress. The valuable links created and established between African, Asian and Latin American participants will enable us to help disseminate new ideas and knowledge to municipalities, utilities and communities where they will make a significant difference.

The next IWA Development Congress will be held in Kuala Lumpur, Malaysia in November 2011.

Membership

IWA GOVERNING MEMBERS CORNER

To give more visibility to their country's water industry, IWA kindly invites all the Governing Members to contribute to the IWA Member Newsletter in 2010 with a piece highlighting their involvement in IWA. Please submit your copy to Chloe Menhinick at Chloe.menhinick@iwahq.org by February 01 2010.

IWA would like to wish all the best for the upcoming seasonal festivities and thank all our Governing Members for helping the International Water Association to have a successful year 2009. Special thanks go to the Governing Members of Italy, Switzerland, France & Japan who contributed with donations to the Global Development Solutions Fund.

MAKING THE MOST OF YOUR IWA MEMBERSHIP

2010 Corporate Membership Renewal – in 2010 it is possible to renew IWA corporate membership online. If you have not received the renewal codes or if you wish to receive further details on how to renew your membership in 2010, please contact IWA corporate account manager at roselyn.chang@iwahq.org.

IT'S TIME TO RENEW!

The team at IWA headquarters would like to take this opportunity to express a very special thank you to all our members for your membership, support, and the trust you have bestowed upon us, your partner, through this challenging year. As a result of your continued support we have managed to grow our membership in 2009, helping us remain the world's leading global network of water professionals. We now have over 460 corporate members, 3000 nominated representatives and 5000 individual members!

Our promise to you is to continue to provide exceptional experiences, a vibrant community, and essential tools to help you develop yourself and your organisation as leaders within the water industry.

We encourage you to continue taking advantage of a plethora of membership benefits by renewing for 2010 online today:

- Engage with your peers through online and face-to-face networking opportunities
- Enjoy the feast of resources available 24/7 at www.iwahq.org

- Nourish your intellect through publications, research, and learning opportunities tailored to the needs each of our member segments and much more!

If you have any queries regarding your membership then please do not hesitate

to contact the Membership Department at members@iwahq.org quoting your membership number in the subject line of the email.

Please accept our wishes of health, happiness, and continued success in 2010.

INDIVIDUAL MEMBERSHIP RATES						
2010	High Income Countries			Low Income Countries		
Individual (1yr - 2010)	£64	\$113	€86	£29	\$51	€38
Individual (3yr - 2010-2012)	£192	\$339	€258	£87	\$153	€114
Student/Retired (1yr - 2010)	£29	\$51	€38	£18	\$31	€23
Student/Retired (3yr - 2010-2012)	£87	\$153	€114	£54	\$93	€69

CORPORATE MEMBERSHIP RATES						
Membership Type	High Income Countries			Low Income Countries		
Small (1yr - 2010)	£356	\$629	€471	£178	\$314	€236
Small (3yr - 2010-2012)	£963	\$1,698	€1,271	£481	\$849	€636
Medium (1yr - 2010)	£891	\$1,571	€1,178	£446	\$786	€589
Medium (3yr - 2010-2012)	£2,527	\$4,243	€3,179	£1,203	\$2,121	€1,589
Large (1yr - 2010)	£2,020	\$3,740	€2,669	£1,010	\$1,870	€1,335
Large (3yr - 2010-2012)	£5,453	\$9,617	€7,206	£2,727	\$4,808	€3,606

Good water quality: a gift we can all appreciate

Thinking about where to find another special Christmas present? Why not include a donation to the World Water Monitoring Day Programme™ (jointly managed by IWA and the Water Environment Federation) in your gifts and help us build public awareness and involvement on water quality and protecting water resources internationally. To sponsor a water quality testing kit for a group of children, a school, youth group or university undergraduates in a low- or middle-income country just fill in the form on the WWMD website: http://www.worldwatermonitoringday.org/Test_Kits/Kit_Donations.html. Your contribution will certainly make a difference and will help motivate the next generation of water professionals!

New Corporate Members Update

We are pleased to welcome the following organisations as new corporate members of IWA.

- **Arup Group (Hong Kong, UK, USA, Australia, Turkey)**
www.arup.com

Arup is an independent firm of designers, planners, engineers, consultants and technical specialists offering a broad range of professional services. Founded in 1946 with an initial focus on structural engineering, Arup first came to the world's attention with the structural design of the Sydney Opera House, followed by its work on the Centre Pompidou in Paris. Arup has since grown into a truly multidisciplinary organisation.

- **Carollo Engineers (USA)**
www.carollo.com

Carollo Engineers has provided planning, design, and construction management services for municipal clients since its founding in 1933. It is the largest firm in the United States that is dedicated solely to water and wastewater treatment. The company strives to emulate its mission statement,

"Dedicated to creative, responsive, quality solutions to those we serve."

- **Confab Industrial S.A. (Brasil)**

www.tenaris.com/en/

Tenaris is a leading supplier of tubes and related services for the world's energy industry and certain other industrial applications. Its mission is to deliver value to customers through product development, manufacturing excellence and supply chain management.

- **Froscoweb (Malaysia)**

www.froscoweb.com/

FROSCOWEB manufactures effective and environmentally friendly approach systems for grease interception, which meet the need and demand of today's modern living.

- **Hydro Tech Engineering (Ukraine)**

www.hydrotech-engineering.com

HydroTech Engineering established in 1998, is the member of international Water Group, working in the sphere of water treatment

and purification. The company is focused on solving problems related to the preparation of process water, production of potable grade water, wastewater treatment and development of closed water supply systems.

- **Lysa (France)**

www.lysagroup.com/home_ing.html

Lysa is a company based in France, whose main objective is to manage, operate and provide adequate water supply and sanitation services to median urban centres in developing countries and assisting local public water companies, enabling them to reach high standards of service and professionalism.

- **Piller (Germany)**

www.piller.de

Since 1909 Piller has had a leading market position for the conception and production of centrifugal fans for all conceivable areas of industrial applications. Many years of experience, extensive knowledge of specific practical needs and the willingness to innovate enable the flexible consideration of individual customer wishes.

NEW! IWA FELLOWS PROGRAM: RECOGNISING YOUR ACHIEVEMENTS

Nominations open until 15 Feb 2010!

The applications for the 2010 fellowship nominations are now available on the IWA website to download.

The new IWA Fellows Program will bestow acknowledgement and recognition to individual IWA members, who have contributed importantly to the advancement or application of water science and technology while bringing the realisation of significant value to society.

- Elected Fellows will join an elite group of global water professionals with international recognition and known for their guidance and leadership in the world of water science, technology and management as it continues to evolve.
- They will continue their active engagement within the industry and will continue to contribute to the aims of IWA by serving as active ambassadors of the Association.
- Fellows of IWA will be invited to a special Fellows Luncheon to be held during IWA World Water Congress in Montreal, September 2010 and formally recognised in the IWA Member Magazine W21 and on the IWA website.

If you know of someone who deserves to be elected as an IWA Fellow then please download the nomination form from the IWA website now. The deadline for submissions is the 15th February 2010.

For further information please visit the IWA website at the following link: http://www.iwahq.org/templates/ld_templates/layout_633184.aspx?ObjectId=675014

THANK YOU TO THOSE WHO RESPONDED TO OUR CALL FOR CONTRIBUTIONS TO WORLD WATER MONITORING DAY

Your support can make a difference – both in the short term and in bringing greater understanding of water quality to the next generation of water professionals. We would like to express our gratitude to the following organisations and nominated representatives for their in-kind contributions for kits to the World Water Monitoring Day Program:

- Va Tech Wabag Limited
- Bournemouth & West Hampshire
- Walkerton Clean Water
- Mr. P S Rangarajan
- Yagna Prasad

There may be other ways in which you, or your company, could contribute to this initiative beyond financial contributions. Could you help distribute kits for the programme through your own regional or national offices? Or host an event that brings the programme closer to the community in which you work? Should you wish to discuss further additional contributions, either individually or from your organisation, please contact: darren.saywell@iwahq.org or phone +31 70 31 50 791.

Full details of World Water Monitoring Day, including case studies from developing countries can be found at www.worldwatermonitoringday.org. For more on the IWA Development Solutions programme, go to www.iwahq.org

KENNETH JAMES IVES (1926-2009)



Ken Ives died on 8 September 2009.

From 1983-1995, he was Editor-in-Chief for Water Research. He was at the same time acting as Regional Editor for the UK, a role in which he continued until 2001.

In 1990 Ken Ives received the S.H. Jenkins award from IAWPRC (now IWA) in recognition of his remarkable work with Water Research. The award is named after his predecessor as editor, Sam Jenkins.

Much of the reputation that Water Research has today is due to Ken's work focusing on the quality of the papers published, both with respect to language and to scientific content. In 1985 I began to work as Regional Editor for Northern Europe and I admired Ken's contribution to the high quality of Water Research. He was just as passionate for this as he was for ballroom dancing.

He was born in 1926, and graduated with a B.Sc.(Eng.) from University College London and later a PhD on the topic of filtration of water for water supply. Most of his scientific work was centered on filtration, flocculation, algae and microorganisms, all in relation to water supply. He became Professor of Public Health Engineering in 1967 and subsequently became Chadwick Professor and Head of Department (1984-92). After his retirement he did not stop his scientific work but continued as emeritus professor at UCL. The UK water authorities used his insight into health-related water supply problems in many cases during his later years. In 1996 he was appointed CBE.

He will be remembered as one of the great pioneers of Water Research.

Mogens Henze,
Editor-in-Chief, *Water Research*

Programmes

WATER, CLIMATE AND ENERGY

BUILD UP TO COP15

From December 7-18th 2009 approximately 20,000 people will descend on Copenhagen for two weeks of climate change negotiations. One of the leading persons involved in the negotiations, Yvo de Boer, UNFCCC Executive Secretary, sees this meeting as critical to tackling climate change.

'The United Nations climate change conference in Copenhagen (COP 15) will be a turning point in the fight to prevent climate disaster. The science demands it, the economics support it, and future generations require it. In early December, negotiators, ministers and world leaders will assemble in the Danish capital to give the people of all nations a strong answer to this common, global threat of climate change.'

While it seems unlikely that governments will rise to de Boers challenge, the path to COP15 has been an interesting journey for the water community. Water has been repeatedly identified as a critical component of climate change, however its reference in the negotiation texts has been repeatedly inserted and excluded during the pre-meetings.

WHAT IS IWA'S CONTRIBUTION?

IWA is working with numerous parties to raise and highlight the importance of water both in terms of adaptation and mitigation before, during and after COP15.



Water and Energy Declaration

The IWA Water and Energy conference held in Copenhagen in October was also used to harness the collective knowledge of the water professionals and resulted in the publication of the 'IWA Water and Energy Declaration' that was delivered to Connie Hedegaard, the Danish minister of climate and energy and host for COP15 by Carl-Emil Larsen, Director of the Danish Water Association and Chairman of the Danish National Committee for IWA.

The declaration highlights the interconnection between water and energy and the need for legislators to integrate energy and water policy. Having the right pricing, policy and

regulatory frameworks are critical to encourage behavioural changes, motivate innovation and ensure sustainable use of water and energy. Substantial efficiency gains can be made, particularly in the urban environment, and technologies for improvement exist but we need to be smart about this. The full document can be found at: <http://www.iwaterandenergy2009.org/>

UN-WATER Key messages

IWA partners with UN-Water and delivered the key messages on water and climate adaptation at the Barcelona meetings in November. The key messages on water and climate adaptation include:

- Water resources and how they are managed impact almost all aspects of society and the economy.
- Adaptation to climate change is mainly about better water management.
- Adapting to increasing climate variability and change through better water management requires policy shifts and significant investments.

The key messages can be found at: <http://www.iwahq.org/uploads/climate%20change%20advocacy/c>

At COP15

IWA will be joining forces with other water focused groups including the World Water Council (WWC), Co-operative Programme on Water and Climate (CPWC), IUCN and and Stockholm International Water Institute (SIWI). There will be a side event held in the Holland Water House on the 16th December with high level ministers to highlight the importance of adaptation.

Advocacy work on climate and water will also occur through the Stakeholder Forum and the publication of a daily newsletter for delegates exploring water and climate issues.

AND AFTER COP15...

When the dust settles from COP15 there will still be the need for climate change adaptation. As such, IWA is partnering with AMWA, AWWA, WRF and WUCA for an international climate change adaptation forum to be held in Washington D.C. from 27-29th January 2010. The forum will bring together key policy and utility representatives to discuss adaptation and develop principles of adaptation for utilities. Registration is now open and more details can be found at: <http://www.waterclimateforum.org/>



CITIES OF THE FUTURE

The IWA Cities of the Future programme was officially launched at Stockholm World Water Week in August 2009, however the work and concepts have been occurring and developing since 2006. The launch of the programme highlights the increasing importance of taking a city level approach to future challenges and the commitment from IWA and its members.

The launch followed several key scoping meetings, the formation and identification of a strong steering committee, a project manager and key working groups. The programme brings together senior experts and leaders for various fields including architects, spatial planners, engineers and water and technology specialists to work together.

The initial scoping work led to the development of the 'Hague consensus' which outlines some key statements associated with 'Cities of the Future' and principles for the way forward.

A series of events have already been organised including workshops at Stockholm International Water Week and a Cities of the Future in Developing World workshop at the IWA 1st Development Congress in Mexico. Working groups on Framework and Footprint

Development, Spatial Planning and Institutional Reform, Integrated Treatment Technology, and the Cities of the Future Library of case studies have been formed and these groups will come together during 2 days of workshops at the IWA World Water Congress in Montreal, September 2010.

Additional conferences have also been scheduled including IWA/WEF Cities of the Future in Boston in March 2010, The World in Transition conference in China in May, 2011 and Proud Cities of the Future conference in Sweden in September, 2011.

For more information about the programme, please contact Steve Moddemeyer at steve.moddemeyer@iwahq.org and Thuy Mai at: thuy.mai@iwahq.org



Left: Paul Brown, Co-chair of Cities of the Future Steering Committee. Right: Kala Vairavamoorthy, Co-chair of Cities of the Future Steering Committee.

Upcoming event: IWA/WEF Cities of the Future Conference, March 7-10, 2010, Boston, USA

IWA has teamed up with WEF for the Cities of the Future conference in Boston, USA 7-10 March 2010. The conference will host interdisciplinary discussion required to create sustainable urban infrastructure that will meet the challenges of the 21st century and the interdependent engineered and natural systems that will characterise Cities of the Future.

Registration to the conference is already open and the details can be found here: http://www.wef.org/Conferences/page_details.aspx?id=3896

IWA UTILITIES

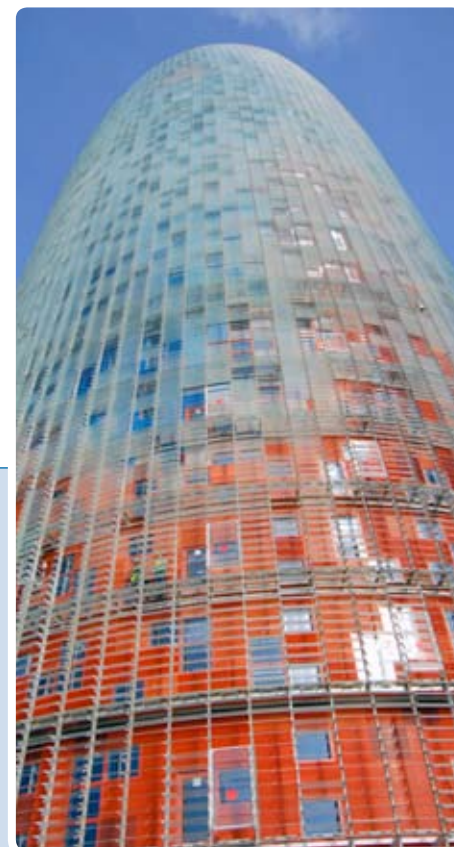
50 CEOs and Managing Directors met in Brussels in November at the IWA European Utility Leaders Forum to discuss future issues for the water industry. The session included key note addresses from Dr Professor Cristina Gutierrez-Cortines, Member of the European Parliament and President of the European Water Forum and Dr Andrea Tilche, DG Research European Commission, Environmental Technologies and Pollution Prevention. The discussion focused on finding solutions which meet the variations in politics, financial and social aspects and simultaneously recognise the important physical and climatic differences within the European Union. The morning session also explored the role of legislation and its linkages innovation and research.

In the afternoon an insightful presentation from Jacques Labre, Suez Environnement, highlighted the need for a new business model

for water utilities. Arguing that the model of the 20th century will not be adequate for future challenges facing water utilities, Labre outlined the need to consider water infrastructure assets as 'public goods' requiring sustainable management. Difficult decisions are required, however investment in infrastructure is essential to ensure a strong legacy for future generations. Water infrastructure and water organisations must be kept robust and able to respond to the challenges of climate change.

Labre also advocated for fundamental changes in the sector where customers should pay for a service rather than the volume of water consumed. This would allow for a better alignment between economic incentives to water utilities, and the objectives of society in dealing with water scarcity and conservation. This idea of utilities as a service provider was reinforced by presentations from Trevor Bishops from the

UK Environment agency who discussed how to decouple regulations and incentives to facilitate sustainable behaviour regarding water and energy usage. Stay tuned to see this discussion evolve.



Upcoming event; IWA Utility Management Conference: Strategic opportunities for future challenges

The IWA Utility conference is the premier event for utilities, hosted by utilities for utilities and is the only IWA event to focus on the full range of challenges facing utilities. The 2010 conference will cover the major challenges and solutions of the water industry including legislation and regulations, utility planning, financing and customer communications. It will also cover sessions on how to make rapid transformational improvements to your utility as well as discussions on the sustainable size of utilities and workforce planning.

The IWA Utility Conference, co-hosted with Agbar, will be held in beautiful Barcelona, Spain from 10-12 May 2010. We hope you take this unique opportunity to learn from your peers as we explore the future challenges and alternative options. For more details contact emma.rose@iwahq.org. See you in Barcelona!

IWA Development Solutions

No More Pipe Dreams! Operation & Maintenance Network develops web portal and toolbox

The Operation and Maintenance Network (O&M Network), coordinated by the National Institute of Public Health, Japan, and IWA comprises policy-makers, consultants, practitioners, researchers and other sector professionals interested in the operation and maintenance of water supply and sanitation systems. The network is exclusively focused on O&M needs and solutions in low and middle income countries.

To provide water and sanitation professionals with practical tools to help improve service delivery, NIPH and IWA have developed a web portal and toolbox, providing easy access to tools (guidelines, manuals, training packages and other reference documents) and case studies that can assist and guide practitioners in the design, implementation and management of water supply and sanitation systems.

The portal can be accessed at:
www.operationandmaintenance.net

All browsers of the web portal can freely view these tools and case studies. To make full use of the site – to download documents, upload new material, rate publications or to participate in online discussions – you will need to register your details and join the network!

Additionally, the website addresses the need for 'real time' technical advisory inputs by introducing the O&M Technical Advisory Service. This service supplies professionals with tailored responses to common O&M challenges and questions. Up to one day of paid advisory support from a leading expert will be provided free of charge. To submit your query, you need to:

- Download the online submission form from the relevant section of the portal (reference:

Technical Advisory Service).

- Fill out contact details; categorise your query according to region and subject; and describe your query in detail.
- Send the submission form by email to omn@iwahq.org.
- It is then processed by the Network Secretariat, and connected to a pool of volunteer experts who will provide advice on your query.

Furthermore, the website provides details about the O&M network as a whole, offers reviews of currently available O&M knowledge and documentation and links to related events and news on the subject.

For further details, contact Darren Saywell at darren.saywell@iwahq.org

Building Environmentally Sustainable Water Supply and Sanitation Systems for Disaster Resilient Societies

IWA together with W-SMART has started up a Forum for Urban Disaster Resiliency, a public forum involving a wide range of stakeholders which aims to put the spotlight on the challenges in local urban governments and water supply utilities by the growing frequency of extreme natural disasters in vulnerable regions and less developed and emerging countries. The ultimate goal of the Forum is to reinforce the capacity in disaster response capability and building environmentally sustainable water supply and sanitation systems for disaster resilient societies.

The first forum was held at the 1st IWA Development Congress in Mexico City, on the 15th November 2009. There, representatives from Gaza, Mexico City and Maputo, Mozambique spoke of their perception on the ground of risk in face of disasters. For example in Gaza, mayors are working together to alleviate the disaster caused by the discharge of untreated waste water into the sea in areas where many base their livelihoods on fishing.

Participants including representatives from Jamaica, Gambia and Zambia were also sharing their views and experiences. Many participants spoke about creeping disasters in terms of water and sanitation, which if not adequately addressed will lead to more problems such as cholera outbreaks triggered especially after extreme events. The intervention presented is a concept of twinning between cities to build resilient societies, based on the willingness of mayors to do what is right for their citizens, including different ways of building capacity and involving the utilities and other parts of

the community. Corporate experiences by water utilities such as EPAL in Lisbon, Portugal and Suez Environnement were presented along side community health clubs making a difference in Zimbabwe. The forum consulted the participants on the planned way forward of facilitating linkages to members of the network wanting to build their capacity and members wanting to help in doing so. A representative from Japan Water Association said that peer to peer twinning is a good system for mutual assistance, where water utilities can help each other when an event happens. Language and country borders are however sometimes a barrier in international assistance. An important way of handling uncertainty and future impacts from extreme events will be to find these types of local platforms to involve local stakeholders for collective solutions said a representative from UNESCO-IHE.

IWA and WSMART will help to start a few pilots and future fora will be keeping track of their implementation. Gaza - Ashkelon and Maputo – Lisbon will be the first. Other pilots are being called for, and members asked to submit their cases to IWA HQ or WSMART. More information about this event is found on the IWA website.

In the future, the Forum will be held at key IWA events and be informing the upcoming engagement in pilot cities through decentralised cooperation and facilitating other international support, including:

- African Water Association 15th Congress in Kampala, 15-18th March 2010
- Resilient Cities 2010, Bonn, Germany, 28-30 May 2010
- IWA World Water Congress in Montréal, 19-24 September 2010
- South East Asia during 2010-2011, (location TBC).



Make Your Efforts Count for World Water Monitoring Day 2009!

This year we are proud to report that more than 15,000 WWMD testing kits have been distributed to low and middle income countries, more than in any previous years, which is evident that there is a real excitement for water quality issues and the environment around the world. We aim to outgrow last year's monitoring activities in which 75,000 people across the globe sampled and analysed water in their local streams and watersheds.

As the database for WWMD slowly draws to a close for this year (December 31st), this is a particularly critical time as participants complete the WWMD process of entering their water quality data online. Completing this process is a vital for the programme, as the data submitted helps us monitor the health of the world's water bodies over time.

Data for this year will also be available on the WWMD website for all to access and will be included on an interactive map, which is scheduled to launch early next year. This new map feature will allow participants to add photos and comments to their sites, as well as easily click and compare their results from those of others from countries around the world. All the data will be compiled and released in the annual World Water Monitoring Day summary report.



As part of the IWA Development Congress activities in Mexico City last month, a WWMD event took place on Thursday the 19th of November where 120 students from the Greengates school monitored the water quality of Fuente el la Glorieta de Ciudad Brisa, a water fountain close to the school, just outside of Mexico City. Many thanks to the Deputy Head, Frances Lond-Caulk, for organising the event!

Be part of WWMD and help to raise awareness of Water Quality in 2010. By educating people of all ages in all nations, about

the value of clean water and the role of water quality monitoring. Contact Frances Lucraft at: frances.lucraft@iwahq.org

Get involved in the IWA Expertise Exchange Programme and share your skills and expertise to advocate change



WHAT IS THE EXPERTISE EXCHANGE PROGRAMME?

IWA's Expertise Exchange programme is a unique partnership approach which makes a real difference in building capacity and strengthening technical and governance systems necessary to deliver better water and sanitation services to all. IWA's aim is to foster long term

relationships with both external organisations and its members to strengthen skills and performance in the water sector to ultimately improve water management and sanitation around the world.

WHY IS IT IMPORTANT?

Water and sanitation is a cornerstone to global development and is vital to achieving the millennium development goals. The foundation of IWA is the wealth of knowledge and capacity in the diversity of its members, which when systematically mobilised and shared, can facilitate the effective participation of both developed and developing countries in strengthening global water management. Accessing quality expertise in a timely fashion is critical element for some requests (e.g. the 2005 Tsunami) and IWA is positing itself on a global level to act in an effective and comprehensive way to respond to these opportunities, by mobilising and involving members.

WHAT ARE THE BENEFITS?

This system would allow adaptation by external agencies wanting to access and manage expertise on a shared basis. Promoting broader access to expertise through leveraging an

expanded and common approach to sharing expertise is a critical element of working on a global level to advocate change. Strengthening the inter-agency network in the water sector will enable to help individuals and organisations to work smarter. Entering your details on the IWA's roster management system, will allow you to facilitate easier exchange of key resources, experiences and lessons learnt in the water sector, while keeping you informed of relevant experiences and opportunities.

HOW DOES IT WORK?

We identify and match experts within the IWA network with counterpart organisations searching for specialist inputs or interventions for consultancy, research and capacity building purposes. This brokering service or information exchange mechanism provides key knowledge services which will help you with your daily work by facilitating synergies between institutions in the water sector. We achieve this through matching the demand for skills and advice from external organisations with IWA's professional members who work in water sector in 130 different countries. Members generally work on a voluntary basis to share knowledge and technical expertise to support a diverse range of projects.

Utilise your skills and expertise in Africa



IWA is a member of the UK based Partners for Water and Sanitation www.partnersforwater.org which is a not-for-profit partnership based at the Water and Engineering Development Centre (WEDC) at Loughborough University. As part of

IWA's continued efforts to provide opportunities for members to network their experience in low and middle income countries, Partners for Water and Sanitation and IWA are seeking opportunities for IWA members to get involved in this work.

The aim of Partners for Water and Sanitation is to help improve access to safe

and sustainable water and sanitation for people in countries in Africa, using expertise drawn from the water sector. Partners for Water and Sanitation has an ambitious strategy to expand its work and its partner base. For this reason PAWS seek IWA members who would be interested to share their skills and expertise on a voluntary basis to support their work in Africa.

Locally recruited Country Managers are responsible for identifying where partner interventions can derive the most benefit, in line with national priorities. Partners for Water and Sanitation does not donate money to projects, instead its partners donate their time and skills. Becoming a partner is free. Travel and expenses for overseas work are covered by Partners for Water and Sanitation. Support inputs will typically be short term; one to two weeks in country within a longer-term framework or through remote desk-based advice and guidance.

Collaboration with UNESCO-IHE and the PROBE project

The IWA Access to Water Task Force met at the Stockholm World Water Week in August 2009. There, a suggestion to develop an incentive framework showcasing real life examples and case studies of various incentive mechanisms was discussed.

The aim of this framework is to increase access through improved performance of sector services and interventions and to inform and guide improved access to water (and sanitation) through a conceptual model which helps communicate the elements and main driving incentives behind it. A collection of case studies, is currently being completed by Bamidele Olatunji from Nigeria. He is a Master's student at UNESCO-IHE in the PROBE project, in which IWA is a partner. The PROBE project aims to look at utility indicators that increase access to water by the poor in developing countries. Based on those, Bamidele, and the IWA Access to Water Task Force will attempt to create the incentive based framework.

GET INVOLVED

Be part of delivering better water and sanitation services around the world by joining the IWA expertise exchange programme.

We will help you match demand with the appropriate expertise while strengthening your skills, knowledge and performance in the water sector; sharing lessons learned for the benefit of all relevant stakeholders in the Water Sector.

For more information contact Frances Lucraft at IWA on frances.lucraft@iwahq.org in the first instance.



IWA in the Regions

Bringing Together Water Operators at the 1st WaterLinks Forum in Bangkok

Promoting effective Water Operators Partnerships in Asia was the main objective mapped by the first WaterLinks Forum held on 28-30 September 2009 at Conrad Hotel Bangkok. Jointly organised by WaterLinks partners – Asian Development Bank (ADB), International Water Association (IWA), and United States Agency for International Development (USAID), the event in Bangkok welcomed over 160 water professionals to discuss ways to promote the benefits of operator partnerships, examine key elements for effective partnerships, and attract more operators and donors to

participate in WaterLinks.

Widespread migration to urban centers in Asia is placing tremendous stress on urban water supplies and sanitation services, impacting more on the poor and women. The lack of access to clean water supplies and basic sanitation has led to high rates of child mortality from preventable waterborne illness and lost economic productivity. Water/wastewater operators are important players in addressing this social and economic challenge and to achieve the UN Millennium Development Goals (MDG) of reducing by half the proportion of people without

sustainable access to safe drinking water and basic sanitation by 2015.

Unfortunately, many operators in Asia are operating inefficiently and lack the capability to expand and improve services to the population. Based on the belief that peers are the most effective mentors and resource for knowledge sharing and capacity building, UN-HABITAT is promoting and coordinating twinning arrangements, or Water Operators Partnerships (WOPs) to strengthen the capability of the operators worldwide.

Bringing three groups of people together – water/wastewater operators, associations and development partners, the WaterLinks Forum displayed the regional needs and potential for expansion of WaterLinks activities. The event was also an opportunity for representatives from UN-Habitat, WHO, World Bank, JICA and AFD to explore opportunities for collaborative engagement with WaterLinks.

The forum kicked off by providing information about WaterLinks and twinning success stories to the participants. Then, over three days of discussions and presentations, water professionals from over 30 countries including the United States, the Netherlands, Australia, Japan, Singapore, the Philippines, Thailand, Malaysia, India and Indonesia identified challenges in developing effective partnerships and ways to implement effective partnerships in Asia. The Forum also provided a platform for the water/wastewater operators to network and to explore potential future twinning among them. Letters of Intent to partner were also signed during the Forum between :

1. Thailand's Provincial Waterworks Authority (PWA) and Korea Water Resources Corporation (K-Water).
2. Perusahaan Daerah Air Minum (PDAM) Surabaya and Manilad Water Services Inc.
3. Davao City Water District and Malaysia's Indah Water Konsortium.

The success of the Forum was not only reflected in the number of delegates but also the active dialogues between all groups during sessions. On the future directions of the WaterLinks programme, the Development Partners reaffirmed their support for WOPs, but urged national and regional associations to also play a greater role in promoting, facilitating and sustaining WOPs. It was also said that whilst funding organisations are key to the success of WOPs, there is also a need for government or legislative support to enable utilities to participate in twinning activities.



Top: 2009 WaterLinks Forum, 28-30 September 2009, Bangkok - Thailand. Bottom left: Water Innovation Fair and Networking Session at the 2009 WaterLinks Forum. Bottom right: Development Partners Discussion on Future Cooperation with WaterLinks at the 2009 WaterLinks Forum.

Parallel to the forum, the Water Innovation Fair was also held at the same venue where selected operators displayed their innovative best practices for expanding or improving access to safe water and basic sanitation.

The next WaterLinks Forum is planned to take place in Manila in 2010.

For further details on WaterLinks, contact Galant Tanson, WaterLinks Coordinator & Manager, IWA East Asia & Pacific at galant.tanson@iwahq.org.



New regional office

The IWA Regional Office for Danube – Black Sea region was launched in Bucharest on Tuesday November 24 2009. Mr. Paul Reiter, Executive Director met with the Romanian Water Association (ARA) Directors and the delegates of the EECCA (East European Countries, Caucasus and Asia).

The objectives of the new office are:

- To bring IWA as an association closer to the Danube – Black Sea region
- Empower and Support National Committees to organise and implement a set of IWA events / activities in the region
- Raise the profile and visibility and demonstrate the IWA values to non-members and encourage them to join the Association
- Coordinate IWA Programmes in the region.

The logistical support is provided by the Romanian Water Association which has made a suitable space available for this office.

Contact person: Ms. Cristina Popescu, phone: +40 21 316 27 68, email: secretariat@ara.ro

Aspiring to greater heights

The IWA Asia Pacific Regional Grouping (ASPIRE) convened its 6th Council Meeting on 20 October 2009. Held in conjunction with the 3rd IWA-ASPIRE Conference and Exhibition in Taipei, Taiwan, the Council was updated on the Association's present plans and future activities in the region.

Among the many activities which will be keeping IWA's regional members busy for the next few years include the 2011 IWA-ASPIRE Conference and Exhibition in Tokyo, the 2012 IWA World Water Congress in Busan and a host of other regional events such as a Conference on Decentralised Wastewater Treatment Solutions for Developing Countries in Surabaya, Indonesia in March 2010 and the 2nd Water Safety Plan Conference in Kuching, Malaysia in November 2010. All in all, there will be at least 8 events lined up in the region in 2010.

The Council also deliberated on the host country for the 2013 IWA-ASPIRE Conference and Daejeon City of the Republic of Korea was confirmed as the host.

The Council was also updated on some of the latest developments in the IWA East Asia and Pacific Office over the past year. This included the hiring of 2 new staff members to ramp up IWA activities in 2010, and the taking over of the WaterLinks Secretariat function to drive the Water Operators Partnerships initiative in the Asia Pacific.

The 3rd IWA-ASPIRE Conference and Exhibition which was held from 18-22 October

The Young Water Professionals Workshop held at the ASPIRE Conference in Taipei brought together over 40 YWPs (an admirable feat considering the workshop started early on a Sunday morning) to discover the wide spectrum of careers available in the water sector, discuss current water issues and share personal thoughts and future ambitions on these issues. In coming together with peers from countries as far away as Australia to Singapore to Japan, it was a day of discovery for the YWPs on the diverse and unique water issues of each country, such as the effects of climate change in Australia and disaster response and management in Taiwan. In return for a day of active dialogue and discussion, the YWPs were treated at the end of the day to a magnificent view of Taipei from the top of the Taipei 101, the world's tallest building.

Going beyond career and networking support, selected YWPs from the region were also given financial assistance to attend the ASPIRE Conference in Taipei. It was the first time such support was offered by the IWA ASPIRE Council and candidates were nominated by their respective Governing Committees. In return, each participating Governing Committee had to commit to setting up an YWP Chapter to ensure the continued advancement and support of YWP programmes in their national programme. There has also been much interest to create more YWP-focused activities and programmes within the region. If you are interested in organizing a YWP conference or events for your organization/country, please get in touch with Adrian Puigarnau at adrian.puigarnau@iwahq.org.



2009 was a resounding success. Held together with the Off-Flavours Specialty Conference, the event attracted about 1000 delegates from over 35 countries in the region and witnessed many high quality presentations in the

technical sessions. In addition, several parallel events such as the Young Water Professionals Workshop and the Utility Leaders Forum were organised to cater for the young water professionals and utility professionals.

NETWORKS

INTERNATIONAL KNOWLEDGE EXCHANGE AT FIRST IWA BENELUX YWP CONFERENCE

The first edition of the IWA Young Water Professionals Benelux was organised in Eindhoven 30 September to 2 October 2009 by the following Flemish, Luxembourgian and Dutch research institutes and universities: the University of Leuven, the University College of West-Flanders, Ghent University, Paul Wurth engineering company, Henri Tudor research centre, the Netherlands Water Partnership, UNESCO-IHE and Delft University of Technology. The conference was attended by around one hundred young researchers from various institutes and water companies within the different Benelux countries.

One of the main objectives of the conference was to offer young water researchers a platform for knowledge exchange with other researchers and companies within the water industry. Ample time for presentations was therefore provided within the programme: there were 18 platform presentations, 22 flash presentations and 25 poster presentations. It was obvious from the presentations that research topics and water-related problems are very similar in the different

countries: in addition to waste- and drinking water treatment, several presentations focused on the urban water cycle and thus water reuse. The application of relatively new treatment techniques such as membrane filtration and advanced oxidation processes in (waste)water treatment received considerable attention, as well as integral models of (waste)water treatment processes, but also the conventional treatment processes. Other presentations focused on (fouling in) membrane bioreactors and the problems related to organic micropollutants.

The relaxed atmosphere among the young researchers was a catalyst for knowledge transfer: research discussions were easily started, participants were given ample time to ask/answer questions and all researchers could take many suggestions for their own research home.

The conference also provided companies in the water sector with an excellent opportunity to introduce themselves to potential employees. Several Flemish, Dutch and Luxembourgian wastewater and drinking water treatment

companies, but also engineering companies therefore sent delegates to present the company and scout for new talent, in addition to staying updated on current trends in research. This was one of the main goals of the congress: to bring science and industry closer together. This was partly to ensure that scientific research would suit practical questions better, but also to create sufficient inflow of young scientists to the industry. Several workshops were organised during the conference to assist young professionals in preparing a good CV and writing good research proposals (with clear links to the industry).

The conference was organised in collaboration with the International Water Association (IWA) and Waternetwerk and received financial support from the sponsors HeliXeR, PWN, Witteveen + Bos, VMW (Vlaamse Maatschappij voor Watervoorziening), Aquafin and Vitens. One of the highlights was the first night of the congress, when the main sponsor HeliXeR provided the participants with a challenge during a workshop: "how would you

convince the general public to drink at least 2 liters of tap water per day?" The discussions that followed helped to strengthen the mutual contacts between the participants.

Because of the huge success of the first edition of the conference, the organisation has decided to continue with the Young Water Professionals-initiative. Some of the main goals of the Benelux Young Water Professionals towards the future are: the organisation of the next edition of the Benelux YWP conference (within 2 years from now); a further strengthening of the links between universities, research institutes and companies within the water industry (as well as improving the flow of young professionals towards the industry), for example by organising workshops and visits to universities and companies; the organisation of YWP-sessions at international conferences; and of course also the organisation of extracurricular activities such as sporting events, but also a yearly dinner/reception.

How the initiative will continue towards the future, and what the new organisation will look like, will be decided within the coming months. If you want to help in creating a strong and enthusiastic organisation and with the organisation of fun events, please contact the organisation at ywp_benelux@biomath.ugent.be or visit the LinkedIn page of the IWA YWP Benelux and leave your comments/ideas.

Arne Verliefde – T.U. Delft and KWR
Jasper Verberk – T.U. Delft
Petra Ross – T.U. Delft
Ann Hulsman – K.U. Leuven
Ingmar Nopens – Universiteit Gent
Stijn van Hulle – Hogeschool West-Vlaanderen
Anne-Marie Solvi, **Paul Wurth**
Roel Meulepas – UNESCO-IHE
Adrien Puigarnau – IWA

Advancing women's role in integrated water resource management

Encouraging the full and equal participation of women in all aspects of integrated water resource management is the focus of a strategic partnership between Women for Water Partnership (WfWP) and the International Water Association (IWA).

The partnership aims to increase the number of women professionals in the water sector globally. Accelerating progress towards the Millennium Development Goals through women's increased contributions in the decision making and management of water supply and sanitation will make a difference world wide.

WfWP and the IWA recognise that women are under-represented all facets of water despite the crucial role women play in water provision, safeguarding and management of water. This is particularly evident in terms of women's contributions to policy and decision making and management of water and participation in the sector workforce, especially in developing countries.

IWA Specialist Groups

Specialist Groups form the basis of IWA and represent the core vehicles for all "water people" interested in interactions on scientific, technical and management topics throughout the world. The Groups, formed as coalitions of individuals around subjects of common interest, provide a sound structure of networks for international specialists to share knowledge, information, skills and make good professional and business contacts. Some of the Specialist Groups also have Task Groups or Working Groups, which have been formed in order to perform a defined task.

For a full list of IWA's Specialist Groups and their activities view the IWA website http://www.iwahq.org/templates/ld_templates/layout_633184.

aspx?ObjectId=633829. To take advantage of this networking opportunity, and become a member of any Specialist Group (or change your group membership) simply contact the IWA membership department (members@iwahq.org) and tell us which groups you would like to join.

This issue of the newsletter features the activities of several Groups active in the research and practice of:

- **Assessment and Control of Hazardous Substances in Water**
- **Climate Change and Adaptation**
- **Strategic Asset Management**
- **System Analysis and Integrated Assessment**
- **Use of Macrophytes in Water Pollution Control**

Assessment and Control of Hazardous Substances in Water

The IWA Specialist Group "Assessment and Control of Hazardous Substances in Water" (ACHSW) identifies water pollution problems in terms of micropollutants and emerging contaminants, addresses the problems of monitoring/measuring of environmental contaminants, predicting their fate and effects, and relating such data to the optimisation of control systems and strategies, supports risk assessments for prioritisation of potential problems and intends to find technologies for risk management. These objectives require a multi-disciplinary approach and the cooperation of various Specialist Groups. The Group has currently more than 600 members and aims to bring together scientists, engineers, practitioners and decision makers with different backgrounds interested in micropollutants in water and the environment, i.e. chemistry, toxicology, water and wastewater treatment, and risk assessment.

The ACHSW Specialist Group had its 6th biannual conference in June 2009. This time the conference was partnered with Micropol and the Ground Water Resources Association of California (GRA) in San Francisco, California.

The conference was attended by 260 participants from five continents and over 27 countries. These included researchers, practitioners, consultants and policy makers from disciplines spanning hydrogeology, environmental chemistry, toxicology, drinking water and wastewater engineering. Platform and poster presentations throughout the three-day event addressed a broad range of topics related to micropollutants. Some of the themes emerging from the conference included environmental chemistry, occurrence and effects of trace contaminants in drinking water and wastewater, removal strategies, ecotoxicology and human health concerns, risk assessment, regulation, water reuse, watershed management and fate, transport and removal in soil and groundwater.



From left, conference co-chair Dr. Rula Deeb (Malcolm Pirnie, Inc.) and IWA's Specialist Group Leader, Dr. Maria Fűracker (University of Natural Resources and Applied Life Sciences, Vienna, Austria)



From left, conference co-chair Dr. Rula Deeb (Malcolm Pirnie, Inc.), student presentation competition winners Kristin McClellan (Arizona State University), Saskia Zimmermann (Eawag, Switzerland) and Kurt Rhodes (Stanford University), and student presentation awards committee chair Dr. Susan Richardson (USEPA)

The main contact officers in the Group are:

Chair: Prof. Maria Furhecker
maria.fuerhacker@boku.ac.at)

Vice-Chair: Ms Andrea Schaefer
Andrea.Schaefer@ed.ac.uk)

Secretary: Auguste Bruchet
auguste.bruchet@suez-env.com)



A summary of the effects of climate change on Australia!

Climate Change and Adaptation

The IWA Specialist Group on Climate Change was founded in September 2006 during the Aquatech Symposium in Amsterdam. The main objectives of the Specialist Group are to:

- identify climate-related impacts and risks in water utility operations and water resources management;
- increase awareness of climate change impacts on water utility operations and water management;
- stimulate adaptive actions in utility operations and water management; and
- connect the different communities of practice (water utilities, water management, and climate change researchers).

The impact of climate change is different among different geographical regions. That is why Task Groups have been installed on the themes drying climate, retreating snowpack, deltaic and low-lying countries, and mitigation.

The Group has organised conferences on climate change impacts, adaptation and mitigation in Amsterdam (2006, 2008, 2010) and at the IWA World Water Congress in Vienna (2008). The most important deliverable of the Group to date is the drafting of a perspective paper entitled "Climate change and the water industry – practical responses and actions". This paper was discussed at IWA's World Water Congress in Vienna and further elaborated at a Group workshop in Amsterdam in November 2008. The primary purpose of the perspective paper is to communicate the IWA perspective on climate change (adaptation/mitigation) and to trigger discussion at various events, including the 5th World Water Forum.

Contacts:

Chairman: Roelof.kruize@waternet.nl

Secretary: Gertjan.zwolsman@kwrwater.nl

Newsletter editor: Vacancy

TG drying climate: Chris.Davis@uts.edu.au

TG retreating snowpack: Paul.Fleming@Seattle.Gov

TG deltaic countries: gertjan.zwolsman@kwrwater.nl

TG climate footprint and mitigation: daniel@nolasco.ca

Strategic Asset Management

The objective of the Specialist Group on Strategic Asset Management is to consider all aspects of strategic asset management, with a view to addressing the key elements of the asset management process and developing robust methodologies and tools to assist in the delivery of effective and efficient service.

The group conference: 3rd Leading-Edge conference on Strategic Asset Management (LESAM) was held in Miami, USA (11-13 November, 2009) at the Hilton Hotel. The conference covered a broad range of topics and was strongly attended. It is encouraging to see the growth of this conference and that many of the ideas presented at the first conference held in San Francisco in 2004 are now becoming main stream. The copies of presentations from the conference can be found on the Group's web page under "previous conferences and reports" after you login.

The Group also had a SG meeting on the occasion of LESAM conference in Miami. Reports were given on recent activities including standardisation, participation in Water Science and Technology and WAMI, group newsletter, development of the SAM SG Website, Conference SAM of small and medium wastewater utilities held in Greece and the WWC 2008 – Workshop on SAM. The ideas for new Task Groups were discussed and proposed on the topics of:

- Standardization (Helena Alegre)
- Economics in AM (David Marlow)

- Asset management communication (Scott Haskins, Franz Schulting, Will Williams, Stewart Burn, Jeff Oxenford)
 - Information exchange
 - Research clearing house
 - Wiki page
 - Who is who in AM
 - Success / failure stories /story boards
- European Framework Initiatives (Stewart Burn & Franz Schulting)
- Guidance for IAM data collection and management (Annie Vanrenterghem-Raven)
- Management and leadership (Bill Gilmore)

If you wish to be involved in any of these please contact Stewart at stewart.Burn@csiro.au and he will happily put you in touch with the coordinators of the activity.

The next LESAM will be held in Mulheim in Germany in 2011 and will be jointly organised with IWW Water Centre (water supply) and FiW (wastewater).

Members are encouraged to think about paper ideas for presentation. We would really like to encourage new ideas in the areas of carbon trading, energy utilisation and water sensitive cities. The venue for LESAM in 2013 will be discussed at the WWC to be held in Montreal in 2010. Members located in countries outside Europe and The United States are strongly encouraged to consider hosting LESAM 2013. Interested members should contact Helena Alegre (halegre@lnec.pt).

Due to recent changes in activities associated with some committee members some new additions to the committee were made. The committee now is

Chair: Helena Alegre

Vice-Chair: John Bridgeman

Secretary, newsletter editor and web master moderator: Stewart Burn

Committee members are: Scott Haskins, Will Williams, David Marlow, Johannes Buckle, Joy K Desai, Purushottam Patil, Suwan Park
Young professionals' representative: Dídía Covas.

System Analysis and Integrated Assessment

With almost yearly activities in the form of Specialist Conferences, Watermatex (May 2007, Washington DC and June 2011, San Sebastian - Spain) and the WWTmod series (June 2008 and March 28-30 2010, Québec – Canada) this Group targets people from research, consulting companies, institutions and operators to think along the use of models and computing tools to support the understanding, management and optimisation of water systems.

The "Specialist Group" on Systems Analysis and Integrated Assessment might more properly



be called the “Generalist Group”. Indeed, the Group focuses on general approaches to solving a wide range of water-related problems within an interdisciplinary framework that relies a lot on different types of models. While methodology-focused, the Group’s interest extends to applications, of course, but is not restricted to any single discipline; we deal with problems in sewer systems and water treatment, and surface-water and ground-water systems.

The first part of our charter—solving problems—leads us to explore such disciplines as systems analysis, simulation, mathematical modelling, control, optimisation, time-series analysis and forecasting, and decision analysis and support. The second part of our charter—integrated assessment—brings all aspects of a problem together, and it is particularly concerned with such issues as the social and economic impacts of solutions to these problems.

Next to the above mentioned Specialist Conferences (the first Watermatex was held in 1987!) other activities of the Specialist Group include hosting and supporting Task Groups. The River Water Quality Model No1 published by IWA in 2001 is the result of such work. We are currently sponsoring three Task Groups: two that are running towards their culmination in the form of new scientific and technical reports on “Good Modelling Practice” (<http://www.iwapublishing.com/template.cfm?name=isbn9781843391746>) and on “Benchmarking of Control Strategies for Wastewater Treatment Plants” (<http://www.iwapublishing.com/template.cfm?name=isbn9781843391463>) and a new one that has just gotten up to cruising speed. It focuses on incorporating uncertainty evaluations into model-based engineering projects. More information on these Task Groups is given just below.

The Group has over 200 members with 14 members on the Management Committee chaired by Peter Vanrolleghem (Peter.Vanrolleghem@modelEAU.org). For more information please visit the SG’s website http://www.iwahq.org/templates/ld_templates/layout_633184.aspx?ObjectId=633855

The IWA Task Group on Design and Operations Uncertainty (DOUT Group)

A new Task Group was set-up in September of 2008 to initiate research aimed at incorporating uncertainty evaluations into model-based engineering projects. The Task Group is called: Design and Operations Uncertainty Task Group (DOUT Group) (http://www.iwahq.org/templates/ld_templates/layout_633184.aspx?ObjectId=679607)

The goal of the Task Group is to summarise the work that has already been done on the topic of uncertainty evaluation and identify gaps in available methods or knowledge. It will build on the knowledge already acquired by certain key efforts in the wastewater field and in related fields such as water resources management. The study intends to bring together the collective knowledge of engineers, academics and plant owners, from several countries and continents.

The IWA Task Group will be the first phase of a multi stage project that will culminate in the development of an industry-wide, recognised protocol that incorporates uncertainty evaluations in model-based plant design and optimisation. The protocol will incorporate transparent and objective methods of estimating new design safety factors that can be widely used by the engineering community.

Since its inception, a year ago, the Group has identified the tasks to be undertaken and has set-up expert groups that are currently working on each of the identified tasks. It has solicited the help of approximately 40 volunteers from across the world.

The Task Group has full support from the IWA Specialist Group on Systems Analysis and Integrated Assessment, by the Task Group on Good Modelling Practice (GMP) and by the Modelling Expert Group of the Americas (MEGA), a Water Environment Federation (WEF) subcommittee.

All pushing in different directions, but one holds the steering wheel. Task Group Inception meeting



at the Vienna WWC (left-to-right: Lorenzo Benedetti, Bruce Johnson, Willi Gujer (guest of honour), Peter Vanrolleghem, Lina Belia and Sudhir Murthy; core group members missing from the photo: Marc Neumann and Stefan Weijers).

The IWA Task Group on Good Modelling Practice (GMP)

The main objective of this Task Group is to develop a protocol for “good modelling practice with ASM” (Activated Sludge Models) that can guide practitioners in performing high quality modelling projects. The Group was established following a workshop at the IWA World Water Congress in Marrakech, Morocco in 2004. The main focus of the GMP Task Group is the production of a Scientific and Technical Report (STR) that will contain the guidelines. A

centrepiece of the STR is a “Unified Protocol” based on the best practices of several modeling protocols. A first draft of the STR is almost complete and should be available in 2010. Details of the STR are available via the following link:

<http://www.iwapublishing.com/template.cfm?name=isbn9781843391746>.

In addition to the STR, the GMP has been very active in organizing several workshops at various international conferences and in conducting two questionnaires to garner information on good modelling practices in the wastewater treatment industry. The Task Group was actively involved in the highly-successful IWA seminar WWTmod2008 and continues this tradition with contributions to WWTmod2010 (Mont-Sainte-Anne, March 2010). In particular, a full-day workshop will be held on “Data collection and reconciliation for WWTP simulation studies,” a topic that is always paramount in discussions about good modelling. A workshop and a modelling course are also planned for the World Water Congress (Montréal, September 2010).

More information

For more information see our website: http://www.modeleau.org/GMP_TG or contact the Task Group Chair, Leiv Rieger, riege@envirosim.com.

The IWA Task Group on Benchmarking of Control Strategies for Wastewater Treatment Plants (BSM)

This Task Group hosted by the IWA Specialist Groups on Systems Analysis and Integrated Assessment and the one on Instrumentation, Control and Automation was already presented in a previous Member Newsletter and will not be repeated here. However, please visit its website at <http://www.benchmarkwwtp.org/> or http://www.iwahq.org/templates/ld_templates/layout_633184.aspx?ObjectId=634907.

Use of Macrophytes in Water Pollution Control

The Group was created in 1988 and has been active ever since. The major objectives of the group are to study and evaluate the design and use of wetland systems (Fig. 1) for treatment of various types of wastewater including municipal, industrial, agricultural, runoff and landfill leachate. The other objectives of the Group are to:

- act as a link between scientists and researchers around the world;
- co-ordinate research activities, define research needs and promote exchange of results;
- develop a commonly-accepted model on the functioning of macrophyte-based wastewater treatment systems and produce guidelines; and

- establish standardized guidelines for reporting performance of macrophyte-based wastewater treatment systems.

The Group is open to all IWA members and holds international conferences every two years. The next conference will take place in Venice, Italy in October 2010 (www.wetland2010.org) and will be accepting abstracts on various related topics until January 2010. In addition, the Group has been producing a Newsletter since 1989 and so far 34 issues have been published. In the Newsletter group members can share their research experiences and relevant information.

Chair: Dr Jan Vymazal (vymazal@yahoo.com)

Secretary: Dr Suwasa Kantawanichkul (suwasa@eng.cmu.ac.th)

Free water surface constructed wetland Nativa II in Uruguay for treatment of wastewater from a soft-drink producing facility. Photo Jan Vymazal



IWA UPCOMING EVENTS SCHEDULE

Malaysia National Young Water Professionals Conference 29-30 April 2010, Belgrade, Serbia

The proposed 3-day conference is an initiative to give a perspective on environmental management and technologies, including water resources, pollution control, water quality, water and wastewater treatment. It is aimed at establishing scientific links at the international level, in order to share and disseminate valuable information on activities in water issues and water related technologies especially in developing countries as well as to discuss methodologies, directions, regulations and other water scientific issues. It is targeted to institutions, practitioners and research groups with expertise on water environmental R&D, sustainable management and advanced technologies. The conference offers opportunities to young researchers and professionals to share ideas related to water issues and technologies in developing countries.

2nd IWA/WEF Wastewater Treatment Modelling Seminar 28-30 March 2010, Mont-Sainte-Anne, Canada

The main objective of the seminar is to present recent findings and successful case studies with the aim of bringing together different "schools" and approaches with the aim of consensus building and clarification of

differences on topics where discussion has matured. The process of consensus building is supported by inviting targeted people from research, consulting companies, equipment suppliers and wastewater treatment plants.

The Water Research Conference 11-14 April 2010, Lisbon, Portugal

Microbiology is one of the major scientific disciplines contributing to the field of water research. In this conference we will provide a platform for exchange and interaction between microbiological research and its application; the provision of clean water to society.

Balkans Regional Young Water Professionals Conference 29-30 April 2010, Belgrade, Serbia

The aim of the conference is to create a wide and efficient international network of young water professionals, particularly from the Balkan region, because the efficient development of the water sector is impossible without young water professionals. Young water professionals (students and professionals in the water sector and under the age of 35) are the future of the water sector. Present and future needs of the water sector require the continuous development of a workforce, capable in skills and strong in leadership.



This conference is organized by the Institute for the Development of Water Resources "Jaroslav Cerni" and Belgrade Water Supply and Sanitation Public Company, under the umbrella of the IWA Young Water Professionals.

Water Loss 2010 6-9 June 2010, Sao Paulo, Brazil

Water Loss 2010 is intended to present and discuss the latest developments, strategies, techniques and applications of international best practices in water loss assessment, management, leakage reduction and control, improvements of customer metering.

For the first time, Water Loss is being



Make a splash

The 2010 **IWA Project Innovation Awards**

Recognizing Excellence and Innovation in Water Engineering

The **IWA Project Innovation Awards** are given in recognition of water engineering projects which fulfill the following **Key Features of Innovation and Engineering Excellence**:

- Originality and Innovation
- Future Value to the engineering profession
- Social, economic and sustainable design
- Complexity
- Exceed client/owner needs

Award Categories:

- Applied Research Projects
- Design Projects
- Operations/Management
- Planning Projects
- Small Projects

Regional bases:

- Asia Pacific
 - East Asia
 - Europe
 - North America*
- Winners of the four regional bases will advance to the Global Awards.

Eligibility:

Open to individuals and companies, organizations, governmental bodies, or any combination of the above.

For more information, please visit <http://www.iwa-pia.org/> or contact us at pia@iwahq.org.

The Global Awards Ceremony will be held at the IWA World Water Congress in Montreal, Canada in September 2010.

Will you be there?

Applications open from 16 Nov 2009 to 12 Feb 2010

brought to the South America Region in order to address the pressing need for improved water utility efficiency in this part of the world

Membranes in Drinking and Industrial Water Treatment

27-30 June 2010, Trondheim, Norway

Themes covered in the conference series include the treatment of groundwater, river, lake, brackish and seawater sources as well as filter backwash water, industrial and domestic wastewaters with membrane processes. Membrane processes covered have included reverse osmosis, nanofiltration, ultrafiltration, microfiltration, electrodialysis, and hybrid membrane processes, and combinations of membrane technologies to produce high quality water, i.e. ultrapure water, boiler feed water and to achieve zero liquid discharge.

Singapore International Water Week

28 June - 2 July 2010, Singapore

The Water Convention, under the theme 'Sustainable Water Solutions for Cities – Clean and Affordable Water' aims to bring together researchers, industry leaders, and practitioners to share and learn in a wide range of areas, such as water technology solutions, planning and management of water resources, utility practices, and water quality and protection of public health. In particular, we have included a theme this year to focus on the financing and governance aspects of the water industry. The themes and

topics in the Water Convention will be designed to examine specifically the trends and challenges facing East Asia, Asia-Pacific, and the Middle East regions.

12th IWA International Conference on Wetland Systems for Water Pollution Control

4-7 October 2010, Venice, Italy

T Constructed wetlands (CWs) have been adopted by many Italian communities as a cost-effective mean of secondary and tertiary wastewater treatment, in order to meet more stringent standards and to lower operating costs. Some small systems have now been in existence for nearly 15 years, while wetland treatment systems for larger towns and small cities have become a more recent trend. Since 1999 CWs have been "officially" recognized as a treatment technology.

More than 1000 CW systems are operative at the moment in the country. Following several positive experiences with municipal and domestic wastewater treatment, there is now an increasing number of projects and realisations of CWs for diffuse pollution, like as agricultural runoff, highway and urban runoff (SUDs, CSOs,...), for industrial applications (wineries, landfill leachates, animal breeding...) and finally for "Ecosan" related facilities (wastewater segregation, reuse,...).

12th IWA Specialist Conference on Anaerobic Digestion

31-October - 4-November 2010, Guadalajara, Mexico

AD12 is the ideal forum to present recent advances in the area, either research results or new technologies, considering the global and multidisciplinary audience that will attend. World-renowned specialists, as well as representatives from the public and private sectors will be present. Additionally, a commercial exhibition, where companies can show their latest products, will also take place during the congress. The technical program will integrate invited plenary presentations by recognized specialists on relevant topics, platform presentations, short oral presentations of selected posters, as well as poster sessions, workshops and panel discussions.

Water & Energy 2010

10-12 November 2010, Amsterdam, The Netherlands

Water and energy are two essential resources, the availability of which is already becoming critical in some societies. Both factors are influenced by climate change. Consequently, protective countermeasures (adaptation) as well as preventive measures against further climate change (mitigation) will be required to maintain durable and sustainable water and energy resources.

The IWA Water and Energy conference 2010 in Amsterdam is a follow-up of the IWA Water and Energy conference in Copenhagen, Denmark 2009. The 2010 event will have an emphasis on demonstration and implementation, e.g. examples of energy innovations in the water sector.

Best Wishes – Goodwill for the New Year •
Bonne Annee • Bliain nua fe mhaise dhuit •
Felice Anno Nuovo • Feliz año nuevo •
Allerbeste wensen voor een voorspoedig Nieuw Jaar •
Vsetko najlepsie do Noveho Roku •
Najlepsze Zyczenia na Nowy Rok •
Die besten Wuensche fuer das Neue Jahr •
新年快乐 • Voorspoedige Nuwe Jaar •
Nahi varsh ka shub kamna • Feliz Ano Novo •
S Novim Godom • 良いお年をお迎えください°



Awards Dinner, Palais Ferstel (Austria)



Best water professionals recruiting programme, OVGW (Austria)



Best popular presentation of water science, WaterReuse Association (USA)



School information programme, Rand Water (South Africa)



Best promoted water protection activity or programme, Queensland Water Commission (Australia)



Customer services activities, Linz AG Wasser (Austria)



International
Water Association



International
Water Association

IWA-Marketing and Communications Award 2010



Montreal
20-23 September 2010

IWA-Marketing and Communications Award 2010

Montreal, 20-23, September 2010



Overall Winner 2008, Rand Water

This competition is arranged by the IWA Marketing and Communications Group. The purpose of the award scheme is twofold:

1. Enhance an integrated and sustainable view on Water as the Essential Good
2. Heighten the awareness among water utilities world wide of the increasing importance of establishing professional and effective communications with users of water and water services.

The entries to the competition should reflect any aspect concerned with the provision of water and wastewater services – the Essential Services.

Entries should be presented on a poster no larger than 70 x 100 cm. It could be submitted in hard copy or on a CD.

The entries must have been published in 2008 or later.

One first prize and two highly commended will be presented in each of the five categories.

There will be one Overall Winner.

The winners will be presented during the IWA Congress in Montreal.

The categories

Best popular presentation of water science –

a popular, pedagogical presentation of science in the form of a report, a newspaper or magazine article, a video, a web site etc.

Best promoted water protection activity or programme –

a pedagogical, communicative presentation in the form of a report, a newspaper or magazine article, a video, a web site etc.

School information programme –

enhancing water awareness among young people up to the age of 15.

Customer services activities.

enhancing information and water awareness among utility customers and consumers

Best water professionals recruiting programme

programmes and presentations that highlight professions in the water business as a future option for young people

Judging criteria

The entries will be judged on the following three criteria:

- Creativity and clarity of the message
- Creative use of design and photography in portraying and communicating the messages
- The measured, successful result of the activity in question

Judging process

1. Preliminary selection

All entries received by **29 May 2010** will be reviewed by the IWA Awards Committee. One winner and two highly commended will be chosen for each of the categories.

2. Category winners

All the category winners will be notified of their pre-selection by **19 July 2010**. The names of all winners will be published in the IWA magazine, Water 21.

3. Final judging

Selection of the overall winner, from the category winners, will take place in Vienna before the opening of the Congress.

4. The IWA Trophies

The Overall Winner will receive the IWA Trophies during the Congress.

5. Public display

The winning entries will be on display throughout the Congress for the benefit of delegates and visitors. The display will be organised by the IWA Awards Committee in co-operation with the category winners.

6. Highly commended entries

Certificates will be sent to the participants awarded "Highly Commended" status.

7. Judges' decision

The decision of the judges is final and no correspondence will be entered into at any time. The IWA Marketing and Communications Group regret that entries submitted will not be returned.

Closing date

Entries must have arrived no later than **29 May 2010** to be considered for judging in the competition. Each entry must be accompanied by a completed entry form.

Mailing address

Entries should be submitted to:

Vienna Waterworks, Katherine Wagner, Grabnergasse 4-6, A-1060 Vienna/Austria

For enquiries please contact:

Walter Kling, Chair, Phone +43 1 599 59-31002,

Katherine Wagner, IWA PR-Award Secretariat, Phone +43 1 599 59-31070

Fax +43 1 599 59-7311, E-mail: office@iawd.at, katherine.wagner@wien.gv.at



New Journal of Water and Climate

In 2010 IWA Publishing launches a new *Journal of Water and Climate* devoted to publishing papers on all aspects of water science, technology, management and innovation in response to climate change. Full details of the journal can be found at www.iwaponline.com/jwc.

We invite the submission of new papers through our online submission system – please go to the website above or contact the journal's manager Emma Gulseven (jwc@iwap.co.uk) for guidelines. The first issue **will be free**, either as print or online. For subscription information please contact Ian Morgan, Marketing Manager (imorgan@iwap.co.uk).

We are delighted to bring you news of THREE NEW BOOKS from IWA Publishing:

Making Public Enterprises Work

From Despair to Promise: A Turn Around Account



Authors: William T. Muhairwe

In *Making Public Enterprises Work - From Despair to Promise: A Turn Around Account*, Dr. William Muhairwe, the Managing Director of National Water and Sewerage Corporation of Uganda, discusses the approaches used to turn around an under-performing state enterprise into a

remarkable success story.

This book presents a unique account of methods used for constructive engagement and dialogue with donors, government officials, workers, suppliers and, indeed, the public/customers. All chapters are interspersed with tested lessons that any enterprise can benchmark to address its service delivery challenges. It is a great handbook for those involved in re-engineering their businesses.

ISBN: 9781843393245 • November 2009 • 416 pages • Paperback

IWA Members price: £ 41.25 / US\$ 82.50 / € 61.88

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Sustainable Water for the Future

Water Recycling versus Desalination

Authors: Isabel C Escobar and Andrea Schaefer

Membrane processes are now a proven and reliable method of providing high-quality, cost-effective water. Membrane technologies have immediate applications to treatment of fresh, brackish and sea waters, as well as wastewater reclamation.



This book covers the fundamental and practical concepts and issues regarding the application of membrane technologies for sustainable water treatment. It describes and compares the effectiveness of desalination versus water recycling for long-term sustainable water use. This book is suitable for graduate and advanced undergraduate students, academic researchers and post-docs, manufacturers, consultants, design engineers and buyers in the field of Environmental Engineering and Chemical Engineering.

ISBN: 9781843393405 • November 2009 • 332 pages • Hardback

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Principles of Water and Wastewater Treatment Processes

Water and Wastewater Process Technologies Series

Editors: R Stuetz, T Stephenson

Principles of Water and Wastewater Treatment Processes is the third book in the Water and Wastewater Process Technologies Series. The book outlines the principle unit

operations that are involved in the separation, degradation and utilisation of organic and inorganic matter during water and wastewater treatment. The text is divided into units that have been designed for individual self-paced study – these include photographs, illustrations and tables and describe the form, function and application of unit operations for the treatment of water and wastewater.

ISBN: 9781843390268 • October 2009 • 214 pages • Paperback

IWA Members Price: £ 63.75 / US\$ 127.50 / € 95.63

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