



IWRA *Update*

Newsletter of International Water Resources Association

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Letter from the President

IWRA Actions in 2010 & Perspectives for 2011-2012



2010 was the first year for the new IWRA Executive Board (2010-2012). There are a lot of opportunities and challenges for the IWRA board and IWRA members. I would like to express my appreciation to the

IWRA Board, the Executive Office in Montpellier and IWRA members all over the world for your support and contributions to IWRA's international activities and profile. These efforts have resulted in significant advances in 2010.

Firstly, I would like to note that the IWRA Executive Office was moved to Montpellier, France in April, 2010. This represented a big leap towards making IWRA's actions workable and stable. I would like to thank Mr. Tom Soo, our new Executive Director and the office staff who have worked very well on critical IWRA activities such as this newsletter, organising IWRA Board meetings and international actions and financing. I also thank our Treasurer, Prof.

Gabriel Eckstein, and the Chairs of our various Committees, Prof. Shi Guoqing (Membership), Prof. Christopher Scott (Publications) and Prof. Victor Dukhovny (Awards) for their outstanding work. A warm thank you is also extended to Association VERSeau Développement, the Région Languedoc-Roussillon, the Département de l'Hérault in France, and to Promar Consulting in Japan, for the support given to the daily operations of our Association.

Last year, IWRA held two Board meetings: in Montpellier, France on 5-7 June, and in Nanjing China on 20-21 November. We discussed many key issues regarding IWRA activities, made plans and took decisions on how to improve the association's external and internal actions including our finances.

Throughout 2010, IWRA was an active member of the Board of Governors of the World Water Council (WWC). In the coming years we aim to play a key role in the development of WWC strategies and actions. This includes work on themes such as integrating Water Supply Management and Water Demand Management

(WSM & WDM), Multiple Uses of Water (MUW), trans-boundary issues and water governance. IWRA participated in all of the WWC Governor's board meetings in 2010, and collaborated with the WWC's actions during the Shanghai World Expo 2010. IWRA has also been involved in the preparatory committees and some of the Core Groups and Target and Solution Groups for the 6th World Water Forum that will be held in Marseille, France in 2012.

In 2010, IWRA also strengthened and built cooperation & linkages with other international water communities, such as becoming a partner of UN Water and working with the United Nations Environment Programme (UNEP), the World Water Assessment Programme (WWAP), the Singapore International Water Week organised by the national water agency (PUB), the Stockholm Water Week organised by the Stockholm International Water Institute (SIWI), the Inter Academy Council (IAC) Water Programme, Global Water System Project (GWSP), Inter Academy Panel (IAP) Water Study, Think Tank on Water and the Future supported by the Calouste Gulbenkian Foundation, Hydropower & Dams, and Aqua~Media International Ltd, amongst others. IWRA looks forward to building more partnerships with international water programmes and increasing our actions on organising international Congresses, symposiums and workshops on global and regional levels. In this sense I would like to thank the entire IWRA Executive Board for the considerable contributions made to the association. In particular, I appreciate the continuity provided by IWRA's past President, Prof. Cecilia Tortajada, who built a solid foundation for the association and has given me very helpful suggestions and support.

Our Association's journal, Water International, has made significant advances under the hard work of the Editor-in-Chief, Prof. James Nickum, the Editorial Board and the Publications Committee headed by Prof. Christopher Scott, as well as the professional staff at Taylor & Francis (Routledge). The impact factor is increasing, as is the number and quality of manuscript submissions. The number of issues per year has increased from four to six in 2010 and again to seven this year, and there has been a significant increase in cutting-edge special issues, many of them produced in cooperation with international research organisations such as Consultative Group on International Agricultural Research (CGIAR) and International Water Management Institute (IWMI). Water International continues to maintain and develop its position as a truly international water journal that reflects the IWRA network and its commitment to exploring issues of water governance, water policy and water strategies across national and disciplinary boundaries.

Strengthening regional IWRA actions will be increasingly important as we move forward. During 2010, several regional activities were undertaken such as ASIA2010 in Malaysia and STAHY2010 in Italy as well as closer engagement with IWRA's national committees in Japan, India and China. Another exciting development from 2010 was the signing of an agreement with the Qingdao Bureau of Hydrology to jointly operate the "IWRA-China Qingdao Science-Technology & Education Centre for Water Resources". The local sponsor, the Qingdao Bureau of Hydrology, will provide this centre with basic facilities, the building and help to organise international academic exchanges. This is a new start for IWRA

regarding building regional networks of Science, Technology & Education on water resources. I do hope that similar initiatives and the fostering of IWRA regional/national committees can be encouraged in other regions around the world.

The 14th IWRA World Water Congress with the theme of Adaptive Water Management: Looking to the Future will be held during September 25-29, 2011 in Porto de Galinhas, Brazil. This is IWRA's most important international action in 2011. I would like in particular to thank the Chair of International Scientific Committee (ISC), Prof. Christopher Scott and the various distinguished members of the ISC, Prof. Rui

New IWRA Website www.iwra.org

The new IWRA website will be launched in the coming weeks, the new address will be: www.iwra.org

On the website, more information about IWRA has been added news about upcoming events, the latest publications and other activities will be regularly uploaded.

Members will continue to have online access to Water International and additional access to articles from previous World Water Congress. Changes also include more straightforward membership registration and renewal; and access to membership profiles.

Please note that the email address of the Executive Office has changed to: office@iwra.org

Vieira (Vice President of IWRA) and Mr. Tom Soo (Executive Director of IWRA) who are collaborating with Dr. José Almir Cirilo, Executive Secretary of Energy and Water Resources Secretariat of State of Pernambuco (SRHE) and the Local Organising Committee to ensure the organisation of a successful congress. To date over 600 abstracts have already been accepted and many special sessions co-organised with other institutions have been confirmed. It promises to be an interesting and high quality event. I urge all IWRA members to participate and I look forward to meeting you there!

When we look back at 2010 and forwards to the coming years 2011-2012, there are a lot of opportunities and challenges. I applaud you as members of IWRA for your commitment to work with IWRA to address global water challenges and I encourage you to continue contributing to the activities of the association.

Sincerely yours



Jun XIA

Latest IWRA activities



The 2nd Stakeholder Meeting of the World Water Forum in Paris, France

The 2nd Stakeholder Meeting of the World Water Forum on 17 January was attended by IWRA, where the association was active in participating in three of the 15 thematic processes:

- Balance Multiple Uses through IWRM;
- Respond to climate and global changes in an urbanising world and;
- Good governance.

In the coming months, the precise role of IWRA amongst all the major stakeholders during the World Water Forum will be defined and communicated to you. To find out more about the Forum processes, you can visit the website:

www.worldwaterforum6.org

or download the brochure at:

http://www.worldwaterforum6.org/?page_id=467.

UN-Water Meeting for the Rio+20 Summit in Bangkok, Thailand

On 20 January, Prof. Ngai Weng Chan, Board Director of IWRA, attended the special UN-Water meeting for the *Rio+20 Summit* 2012 in Bangkok, Thailand. The objective of UN-Water being for water to be included as a key topic of the *Rio+20 Summit*. As a partner of UN-Water, IWRA is aiming to be engaged in this process by participating at upcoming meetings, helping to convene events and by contributing to knowledge generation and dissemination.

IVth International Experts Meeting in Zaragoza, Spain

The IVth International Experts Meeting on “Water Management and Climate Change: Dealing with Uncertainties” took place from 28 February to 1-2 March in Zaragoza, Spain. This meeting was organised by the International Centre for Water and Environment (CIAMA) and the Aragon Water Institute (Ministry of Environment of Aragon, Spain); with the collaboration of the Third World Centre for Water Management and IWRA.

Our board directors Prof. Pierre Chevallier and Rafael Izquierdo participated at this event which was organised by our past president Prof. Cecilia Tortajada and by Prof. Asit Biswas.

A report of this meeting by Prof. Cecilia Tortajada and Dr. Aishvarya Gupta will be published in the June issue of *International Journal of Water Resources Development*.



IWRA Celebrates World Water Day

World Water Day was held on 22 March this year with the

theme of “Water for Cities: Responding to the Urban Challenge”.

Multiple events were co-organised between UN-HABITAT, UN-Water and The African Ministers' Council on Water (AMCOW) in Capetown, South Africa. As Vice-President of IWRA, Anthony Turton sat on a panel convened by the World Bank on the topic of Public Private Partnerships. He also gave a speech at the opening of the Water Institute at the University of Stellenbosch. Anthony tells us that the Water Institute Head, Prof. Eugene Cloete, “has just invented a nano-filter that can remove toxins from water in what can best be described as a “tea bag””.



Also on World Water Day (22 March 2011), the Secretariat of the Indian Geographical Committee of IWRA and the

Central Board of Irrigation & Power (CBIP) organised a Seminar called “Narmada - The Lifeline” in association with Sardar Sarovar Narmada Nigam Limited, as part of the Diamond Jubilee Celebrations of the formation of the State of the Gujarat in India.

IWRA was a knowledge partner in this event and the seminar focused on issues such as Safe Drinking Water - A Human Right, Innovative Approaches in Water Management, Legislative /Regulatory Framework in Water Sector besides the Role of Sardar Sarovar Project (SSP) in Long-term Water and Energy Security.

Upcoming events



Hydrogaia, Montpellier

Hydrogaia is a new international event organised by the water community in Montpellier which will take place from 25 to 27 May 2011.

The event aims to be a major professional exhibition for the water sector. IWRA and the network of the Languedoc Institute of Research on Water and the Environment (ILEE) will organise a series of scientific conferences. A number of IWRA experts will participate at this year's conferences to address issues revolving around Water Governance; Mediterranean perspectives on water management; and Water Reuse. The outputs of the sessions will also be disseminated for wider use and provide linkage to other events such as the upcoming World Water Forum.

<http://www.hydrogaia-expo.com>



Granada International Workshop

An international workshop on "Water Pricing and Public-Private Sectors in Efficient Urban Water Management" will be organised in Granada, from 9 to 11 May 2011 by the Third World Centre for Water Management, IWRA, Global Water Intelligence and the University of Granada.

Prof. Cecilia Tortajada will co-organise this event and long time IWRA member Prof. Asit Biswas will participate as international member of the honnour committee.

For more information, see the event website:

<http://www.ugr.es/~congresowwp/eng/index.html>



2nd Istanbul International Water Forum (IWF)

As a continuation of the previous World Water Forum in 2009, the 2nd Istanbul International Water Forum (IWF) will be organised from 3 to 5 May in Istanbul. IWRA President Jun Xia will deliver a keynote speech during the thematic session on "Water Resources Management".

For more information, please refer to the forum website: <http://www.iusf.org.tr>



IWP-IWRA workshop during the 2011 Singapore Water Week

A Workshop on "Urban Water Quality Policies and Governance Practices in Asia: Present status and future challenges" will be coorganised by IWRA, the Institute of Water Policy (IWP), the Lee Kuan Yew School of Public Policy (LKYSPP) and the National University of Singapore (NUS) during the Singapore Water Week on 5 July 2011.

Various IWRA members such as Prof. Jun Xia, Prof. Cecilia Tortajada, Prof. Ngai Weng Chan, Prof. James E. Nickum will attend this event as speakers.



International Symposium on Impacts of Climate

Change on Water Resources in Arid and Semi-arid Regions

This event will take place in Xi'an, China from 21 to 23 October 2011. This event is organised by IWRA, Xi'an University of Technology, Northwest Agriculture and Forestry University and Chang-an University and sponsored by IWRA,

Upcoming events

cont. from previous page

Global Water System Project (GWSP), Asia Scientific Network Office for GWSP (ANSO-GWSP), Chinese National Committee for Global Water System Plan (CNC-GWSP), Chinese National Committee for IHP of PUB (IHP-PUB).

A call for abstract of between 300 to 500 words, including the paper title, author(s), complete name(s), their affiliation(s), mailing address, should be sent **before May 20th by e-mail** to the Secretariat of Xi'an University of Technology at:

Prof. Bing Shen, Prof. Huai-en Li and Prof. Wan Luo
Institute of Water Resources
Xi'an University of Technology
No.5 South Jin-hua Road
Xi'an 710048, P.R.China
Fax: + 86 29 82312028
E-mail: IWRA2011@sina.com.cn

A special price is available for IWRA members (300USD instead of 350USD). For more information, please consult the webpage:

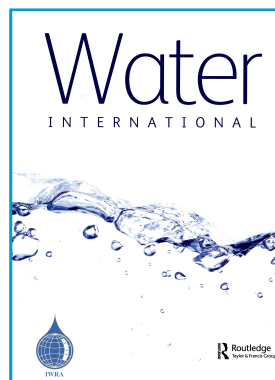
<http://www.xaut.edu.cn/IWRA2011.htm>

6th International Symposium of the European Water Resources Association (EWRA)

The 6th International Symposium of the EWRA on "Water Engineering and Management in a Changing Environment" will take place in Catania, Italy from 29 June to 2 July. This event is co-organised between the Department of Civil and Environmental Engineering of Catania University and the Italian Hydrotechnical Association. The objective is to provide an open forum for analysing the main challenges for an effective water resources management, also able to adapt to climate change impacts. Particular emphasis will be devoted to the developments in the application of European Union policies on water resources management (i.e. Water Framework Directive 2000/60, Floods Directive 2007/60, Water Scarcity and Droughts Strategy), as well as to the latest advancements in water engineering all over the world.

For more information, please refer to the website:

www.ewra2011.dica.unict.it



IWRA Publications

Water International, Volume 36 Issue 1 2011

Water, Food and Poverty in River Basins, Part 2: Cross-Basin Analysis and Synthesis

• Articles

Water, food and poverty: global–and basin–scale analysis

Simon Cook; Myles Fisher; Tassilo Tiemann; Alain Vidal

Water availability and use across the Challenge Program on Water and Food (CPWF) basins

Mark Mulligan; L.L. Saenz Cruz; J. Pena-Arancibia; B. Pandey; Gil Mahé; Myles Fisher

Producing more food with less water in a changing world: assessment of water productivity in 10 major river basins

Xueliang Cai; David Molden; Mohammed Mainuddin; Bharat Sharma; Mobin-ud-Din Ahmad; Poolad Karimi

The resilience of big river basins

Graeme S. Cumming

The nature and impact of climate change in the Challenge Program on Water and Food (CPWF) basins

Mark Mulligan; Myles Fisher; Bharat Sharma; Z. X. Xu; Claudia Ringler; Gil Mahé; Andy Jarvis; Julian Ramirez; Jean-Charles Clanet; Andrew Ogilvie; Mobin-ud-Din Ahmad

Connections between poverty, water and agriculture: evidence from 10 river basins

Eric Kemp-Benedict; Simon Cook; Summer L. Allen; Steve Vosti; Jacques Lemoalle; Mark Giordano; John Ward; David Kaczan

In memoriam

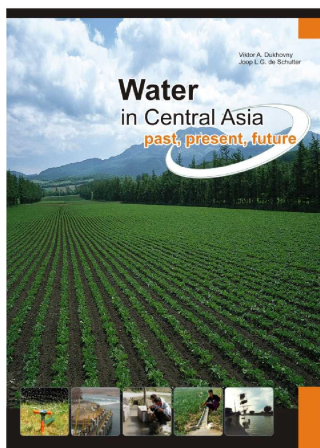
Professor John Pigram (1933–2011)

**IWRA Publications Water International,
Volume 36 Issue 1 2011**

Recent books

IWRA Board Director and member, Prof. Viktor A. Dukhovny has published a book with Joop L. G. de Schutter titled *Water of Central Asia: Past, Present and Future* and published by CRC Press.

Synopsis



Central Asia is the cluster of countries located in the basin of the "Great Aral Sea". It originates from the ancient civilizations of the IV-III millennium B.C. known as "Ariana" and is an important geopolitical centre today, where the USA, Russia, China, EU, Iran and India participate in the regional

water game. The Aral Sea Basin has always been a subject of interest to outside powers as a target of travel or political blame. At the same time it was a source of prosperity and a place of work, love, history and strong cultural traditions for almost 100 million people. At present the Aral Sea Basin is shared by independent states with different interests but at the same time in need of close collaboration for their survival. Much has been written about this region but few writers have discovered the deeper roots of the historical trans-

formations that have caused the present situation of environmental degradation. The extremely arid character of the region is a cause of very sensitive natural and social conditions; a very fragile balance that is easily disturbed by any important impact from the outside or innovations from the inside. Only a thorough analysis of both the positive ambitions of the region and their possible negative consequences can provide the necessary understanding of why important development initiatives of the recent past have always produced the negative consequences as they did.

Editors note

James Nickum, Chief-Editor of *Water International*, sends his apologies for not being able to publish his regular newsletter message from the IWRA Editorial Office following the recent terrible effects of the earthquake that shook Japan in March. James is located in Tokyo, and assures us that he is fine. He also notes that the Editorial Office is still working well and that *Water International* is continuing to move forward strongly.



6th World Water Forum, Marseille 2012

As a member of the Board of Governors of the World Water Council, IWRA is participating in the organisation of the 6th World Water Forum in Marseille, France in 2012.

The Forum has been organised around four Preparatory Processes:

- Political Process;
- Thematic Process;
- Regional Process; and
- Local and Citizen's Process.

IWRA is mainly involved in the Thematic Process and also (through some of our Board Members) involved in some of the Regional Process.

The Thematic Process is structured by 3 Strategic Directions and 12 Key Priorities for Water Action and 3 Conditions for Success.

3 STRATEGIC DIRECTIONS

12 KEY PRIORITIES FOR WATER ACTION

<p>ENSURE EVERYONE'S WELL-BEING</p>	<p>Guarantee access to water for all and the Right to Water Improve access to integrated sanitation services for all Contribute to hygiene and health through water and sanitation Protect populations and economies from water-related risks Contribute to Cooperation and Peace</p>
<p>CONTRIBUTE TO ECONOMIC DEVELOPMENT</p>	<p>Balance Multiple Uses through IWRM* Contribute to Food Security by optimal use of water Harmonize Energy and Water Promote Green Growth and value ecosystem services</p>
<p>KEEP THE PLANET BLUE</p>	<p>Improve the quality of water resources and ecosystems Adjust pressures and footprints of human activities on water Respond to climate and global changes in an urbanizing world</p>
<p>3 CONDITIONS FOR SUCCESS</p>	<p>Good governance Financing Water for all Enabling environments</p>

Source: World Water Council

At the time of publication of this newsletter, the core groups and target leaders were being formally defined. In the lead up to the Forum, there will be regular updates in this newsletter will keep you informed of IWRA's involvement.

Congress update



Plans for the IWRA World Water Congress, to be held 25-29 September, 2011, in Porto de Galinhas, Brazil, are proceeding rapidly. Over 600 abstracts have been accepted.

Meanwhile, the Local Organizing Committee has made significant progress in identify international and Brazilian sponsors, exhibition space, and related arrangements.

For further details, see:

www.worldwatercongress.com

Christopher Scott

Member perspectives

Continuing with our regular newsletter series on member perspectives, in this issue, we meet Prof. Bruce Mitchell, who became member in the early 1990s and was elected as fellow member in 2005. He was also a Director of the Executive Board from 2004 to 2006.



Interview with Bruce Mitchell

What are your main fields of interest in Water Resources? Tell us about some projects you are currently involved with.

B.M.: *My main focus is water policy and governance, with attention to improving the transition from visions and plans to effective implementation. These interests have been pursued with regard to “integrated water resource management” through projects in Canada, Australia, China, Indonesia and Nigeria.*

I now am involved in the first stage of a project focused on assessing opportunities for a healthy urban ecosystem in Shenyang, China, for which my contribution will relate to water security.

I am a member of the recently created Water Institute at the University of Waterloo, which has more than 100 faculty members conducting research on a wide range of water issues. The Institute is facilitating interdisciplinary research connecting science, technology, management and governance aspects of water.

Why did you join IWRA and what does membership of IWRA's international network mean to you?

B.M.: *I was actively engaged in a number of international water projects, and believed that membership would help me to become better informed about activities by others, and also to broaden my network of colleagues. Both have occurred, and thus for me there has been real value in being a member.*

How do you see IWRA's role in today's water management scene?

B.M.: *IWRA has a role to encourage and facilitate interdisciplinary understanding of water resources through its publications (journal, newsletter), conferences and workshops. It also has impact through partnering with other water-oriented organizations to promote awareness of water issues and opportunities. Furthermore, it helps to inform and educate various target groups, ranging from researchers, government public servants, consultants, and individuals in both community-based organizations and the private sector.*

Membership

IWRA thanks all members for your continuing support.

A promising programme of activities is envisaged for 2011 with an accent on actively engaging members.

We encourage you to talk about IWRA to your water colleagues to help strengthen the IWRA network.

For more information about IWRA or to become member, please visit the IWRA website at www.iwrahome.org where you can register or renew your membership online.

In memoriam

Professor John Pigram (1934 -2011)



Former IWRA President Professor John J. Pigram, from the University of New England in Armidale, Australia, has passed away on January 5, 2011 at the age of 77 after a long and distinguished career. Professor Pi-

gram has made many outstanding contributions to the field of water policy, provided exceptional academic leadership in water resource management and water reform in Australia and other regions of the world. His achievements are recognised and appreciated by the IWRA global community of water professionals.

In 1987, in cooperation with two Australian colleagues, Professor Warren Musgrave and Professor John Burton, Dr Pigram jointly established the Centre for Water Policy Research at the University of New England where he served as Executive Director and Director until 2001. Dr Pigram had supervised more than 50 graduate students at the Doctoral and Masters levels, many of whom are now active in the application of water policy initiatives and water reform in Australia and elsewhere.

Dr Pigram has been published widely and also made numerous presentations on critical aspects of water policy. He provided important insights into the issues of water allocation, property rights and water markets (including third party effects), the value of water, economic instruments and water demand, integrated approaches to water management, ecological impacts of water development, and the essential elements for formulating a

framework for water policy. Most recently, his attention had been drawn to international cooperation and the transfer of information, experience and expertise in water management between diverse world regions and different countries.

In the international sphere, Dr. Pigram was a strong supporter of the World Water Council, the Global Water Partnership, and other organisations involved in the formulation and implementation of water policy initiatives globally. He served as Chair of the IWRA Xth World Water Congress in Melbourne in 2000 and was elected to prestigious positions in international water organizations. He was Director and Vice-President of the International Water Resources Association before becoming President in 2000 and a Fellow of the Association in 2005. He was honored to be the recipient of IWRA Ven Te Chow memorial Lecture in 2008. He was a Founding Member of the Board of Governors of the World Water Council in 1996 and continued on the Board until 2006. Professor Pigram has served as an invited Member of the Club of Tokyo, a small group of influential persons in the world of water, and was also on the Editorial Board of leading international water resources journals. He recently authored an outstanding text book on water resources in Australia.

In all his dealings Prof Pigram displayed a high degree of integrity, honesty and straight forwardness matched only by a few. He will be missed by all, may his soul rest in eternal peace.

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