



IWRA Update

Newsletter of the International Water Resources Association

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IN BRIEF

- Introducing the new IWRA Executive Board for 2010-2012
- IWRA participation at the 37th WWC Board Meeting in January 2010
- New IWRA Executive Office starts operations in Montpellier, France
- IWRA Board meeting 5 – 7 June 2010
- Reminder to renew your 2010 membership

LETTER FROM THE PRESIDENT

New opportunities & challenges for the IWRA



This is the first IWRA Update since the new Executive Board and I took up our duties at the beginning of 2010 for the coming three years, and since the Executive Office moved to Montpellier in April. The IWRA is approaching its 40th resplendent year as a well-known international water resources organization since it was established in November 1971 in the United States by Prof. Ven Te Chow and others. On behalf of myself and the other members of the new Board, I would like to sincerely thank all IWRA members for their trust and support, and to express particular gratitude to past President Cecilia Tortajada and members of the previous board for their excellent service to our Association over the last three years. Now it is our turn to confront new

and old challenges and seize emerging opportunities to develop our Association to make even greater contributions to global & regional water issues.

No one needs to be reminded of the enormous and increasing challenges facing the world from water problems. Nearly everywhere, water crises threaten the security, stability and environmental sustainability of nations. Nowhere is this more the case than in the developing world where challenges are both sectorial, to provide water for drinking, for growing crops, and for growing cities, while leaving adequate flows for the ecology; and increasingly interwoven, requiring action and analysis across disciplines and sectors, as in integrated river basin management. The IWRA, as a non-profit, nongovernmental, educational organization, provides a global forum to bring together disciplines and geographies by connecting professionals in and out of academe, students, and all other individuals who are concerned with the sustainable use of the world's water resources. Past experience tells us that the IWRA will continue to face big challenges in organizing itself as a truly internationally situated body, in developing its regional & international networks, and in making contributions to world water science, discourse and action. The IWRA President in the new term will face big challenges, as will the new IWRA Board. I see the following tasks and possibilities for the new Board that will enable IWRA to better serve its mission and its members:

1 Maintain and build on IWRA's advantage in water resources management and governance based on its interdisciplinary approach linking social science with natural sciences, and analysis with policy.

2 Playing a strong role in the World Water Council (WWC) as both one of its founders and one of its latest members. We are already taking a lead in formulating the WWC's strategies on water supply and demand, and will be actively involved in preparations for the 6th World Water Forum in Marseille.

3 Develop more extensively the international IWRA network, including not only IWRA membership, but also country and regional committees. Already we have made considerable progress, including a strong possibility that we will establish an IWRA Sciences and Technology Education Center in Qingdao, China, that I hope will serve as a model for other IWRA education centers in other parts of the globe. We will also have an official presence at this year's Singapore International Water Week in late June, and an exhibit at the World Expo Shanghai in September.

4 Look for more international programmes and projects on water management issues where the IWRA can play a leading or catalytic role, and develop some consulting projects that promote the IWRA and its strengths.

5 Support our journal, *Water International*, with its new editorial structure headed by Editor-in-Chief James Nickum and its increase from four issues to six issues a year. We must continue to improve its quality and use and, as funds and opportunities allow, to expand other publications and forms of communication, including this newsletter and our webpage.

6 To do a good job of organizing the XIVth World Water Congress in Porto de Galinhas, near Recife, Brazil, in September 2011 as a world-

class scientific forum. The Scientific Committee led by Christopher Scott has already made significant progress towards generating an exciting and attention-getting program.

7 In a constantly changing world, it is important to continue to reform our organizational structure, and work together with the new Executive Office, now headed by a full-time director, Mr. Tom Soo.

8 To expand our membership actively in economically developed, emerging and still less developed areas, using suitable strategies for each. Here I would like to express our deepest appreciation to the late Dr. Hori, who provided us with a fund to provide subsidies to scholars from the least economically developed countries so they can join the IWRA and receive *Water International*. I would like to put a priority on making full use of this fund. If you know of good candidates, please encourage them to write Tom Soo (soo@verseaudeveloppement.com) for details on how to apply.

When IWRA began, it was an open field. Now, as we all know, there are many international associations related to water issues. No one fills our unique niche, however. We must regard our fellow associations as potential cooperators, with whom we can forge win-win relationships, not competition. Our key is to continue to do what we do well, and to do it even better. Together, as President, Board, IWRA members (present and future), and friends and associates, we can work together for a bright future. I look forward to working with you to face that challenge.

Thank you very much!



Jun Xia
President, IWRA

IWRA Executive Board 2010-2012

The elected IWRA Executive Board took up its functions as of 1st January 2010 under the presidency of Jun Xia. The board has a mandate of 3 years until the end of 2012. This Newsletter is pleased to present to you the current members:



Jun Xia

PRESIDENT

Jun Xia (CHINA) is Professor and Director, Center for Water Resources Research, Chinese Academy of Sciences. He has ample experience in leading water research, management and consulting jobs both in China and internationally. He served as a Director of the IWRA Executive Board for the 2001-2003 period, and as Vice President for the 2003-2006 period.



Cecilia Tortajada

PAST PRESIDENT

Cecilia Tortajada (MEXICO/SPAIN), biologist, is the Vice-President of the Third World Center for Water Management in Mexico City. She has been an advisor to major international institutions like the Food and Agriculture Organization (FAO), the United Nations Development Programme (UNDP), the CDMA Development Group (CDG), InWent (Internationale Weiterbildung und Entwicklung or Capacity Building International, Germany), and the Governments of Cameroon, India, Turkey, and Republic of Congo on various aspects of water resources and environmental management.



James E. Nickum

SECRETARY GENERAL

James E. Nickum (JAPAN) is an institutional economist specialising in water and environmental governance. A China specialist, he has also engaged in research on water at regional and comparative scales. He is the author or editor of 15 books and monographs and over 60 articles and book chapters. He is the former Chair of the IWRA Publications Committee and since September 2007, Editor-in-Chief of Water International (an ex officio Board position).



Giuseppe Rossi

VICE-PRESIDENTS

Giuseppe Rossi (ITALY) is Professor of Hydrology and Water Resources at the College of Engineering of the University of Catania (Italy). His research interests include stochastic hydrology and water resources systems management. He is coordinator of several international projects on drought analysis, monitoring and management.

Anthony Turton (SOUTH AFRICA) is a Director of TouchStone Resources (Pty) Ltd., which focuses on the water and energy nexus in the context of water-constrained countries needing rapid economic development. He has published widely and specialises in the field of transboundary water resource management.

Rui Vieira (BRAZIL), Civil Engineer by the Polytechnic School of the Federal University of Pernambuco, Brazil, in 1962; Docteur ès Sciences Physiques at the University of Toulouse, France, in 1967; Full Professor in Fluvial Hydraulics at the Federal University of Rio de Janeiro; President of the Brazilian Water Resources Association, 2006/07; Member of the Board of Directors of the IWRA, 2007/2009.



Anthony Turton



Rui Vieira

TREASURER

Gabriel Eckstein (USA) is Professor of Law at Texas Tech University where he holds the George W. McCleskey Chair in Water Law and directs the university's Center for Water Law and Policy. He is an expert in US and international water and environmental law and policy and has lectured in numerous law and science conferences around the world. He has



Gabriel Eckstein



Victor Dukhovny

also served as an expert advisor to various organisations, including the United Nations, US Agency for International Development, World Commission on Dams, Organisation of American States, International Association of Hydrogeologists, and various local water entities in the United States. Professor Eckstein also directs the Internet-based International Water Law Project at www.InternationalWaterLaw.org.



Christopher Scott

CHAIR, AWARDS COMMITTEE

Victor Dukhovny (UZBEKISTAN) is the Director of the Scientific Information Center of Interstate Coordination Water Commission. He has a Master degree in Civil Engineering, Ukraine Institute of Water Management, Kiev, USSR; All Soviet Union institute of Reclamation and Water Management (VNII-GIM) Postgraduate in education by correspondence, PhD in land reclamation. He is Professor in Water Management and his field of expertise is on water management at basin and transboundary river levels and general management of irrigation systems and land development.



Shi Guoqing



Murad Bino

CHAIR, PUBLICATIONS COMMITTEE

Christopher Scott (USA), a University of Arizona Professor of Water Resources Geography and Policy, he holds a Cornell University PhD. His research addresses water reuse, the water-energy nexus, and climate variability. Chris has two decades of experience in India, USA, Mexico, Honduras and Nepal. He has worked with the International Water Management Institute, National Oceanic & Atmospheric Administration and NGOs.



Ngai Weng Chan



Pierre Chevallier

CHAIR, MEMBERSHIP COMMITTEE

Shi Guoqing (CHINA), Dean of Public Administration School, Hohai University, Director of National Research Center for Resettlement. Shi is a COE Member of Turkey's Ilisu Dam

and HEPP Project since 2007, a senior advisor of Three the Gorges Project since 1993 and advisor to the World Bank and the ADB since 1994. He was one of the main creators and members of IDRN in 2000. He is also a member of IASFM, Vice Chairman of the Resettlement Committee of Chinese Hydropower Engineering Association. He has published 7 books and 180 papers and received 10 advance science awards.

DIRECTORS

Murad Bino (JORDAN) is an expert on environment and water resources management. He started his professional career at the Royal Scientific Society (RSS), Amman, Jordan from 1972 to 1994 as Principal Researcher and as Director of the Chemical Research Centre and later as Director of the Environmental Research Centre of RSS. Since 1994 he is the Executive Director of the Inter-Islamic Network on Water Resources Development and Management, Amman, Jordan.

Ngai Weng Chan (MALAYSIA) is Professor of Physical Geography at the University Sains Malaysia. He has a BA (Hons) and MA from the University of Malaya and a PhD from Middlesex University (UK). His areas of interest are in physical geography, hydrology, climatology, water resources management and environmental hazards management.

Pierre Chevallier (FRANCE), hydrologist, is a senior scientist at the Institute of Research for Development – IRD (in France); Director of the Languedoc Research at the Institute for Water and Environment (ILEE); Chair of the National Organising Committee of the 13th World Water Congress (Montpellier, September 2008). His main topics of interest are flow processes, water resources management, spatial information and climate change.



Simon Cook

Simon Cook (COLOMBIA) has over 25 years of experience in agricultural research and currently focuses on the global food and water problem and its effects on people in river basins throughout the developing world. He is based in Cali, Colombia, from where he co-ordinates the basin focal projects for the CGIAR Challenge Program on Water and Food (CPWF).



Rafael Izquierdo

Rafael Izquierdo (SPAIN) is the Director of the Water Institute of Aragon. Educated and trained in Spain and UK, he has worked extensively on public management in the medical field, from where he moved to planning and management of water and health-related issues.



Madiodio Niasse

Madiodio Niasse (SENEGAL/ROME) graduated in Environmental Sciences from the University of Dakar, Senegal. Since November 2008, he has served as the Director of the International Land Coalition (hosted by IFAD in Rome). His recent professional experience includes work with the World Commission on Dams (Cape Town), IUCN/Wetlands and Water (Ouagadougou), IRD/Montpellier Water Team. From 2005 and 2008, he served as chairperson of GWP/West Africa.



Paula Silva

Paula Silva (MEXICO) is a Hydraulic Engineer and graduated from the International Hydraulic Institute in The Netherlands. She has worked with small and large scale irrigation systems in Mexico, as a researcher for the IWMI, as a rural development specialist with the Jalisco state government and as a consultant for the World Bank, the FAO, and, the Mexican Institute of Water Technology. She currently works for CH2M HILL doing water resources management and hydrodynamic modelling.



Marcia Valiante

Marcia Valiante (CANADA) is Professor of Law at the University of Windsor, Ontario, Canada. Her work focuses on water law, environmental law and governance of the North American Great Lakes. She is on the Great Lakes Science Advisory Board of the International Joint Commission and a Member of the Ontario Environmental Review Tribunal.

Raquel Zabala (ARGENTINA) has a degree in Political and Social Sciences and Graduate Studies in Public Administration. She has worked in social development programs and international cooperation on water issues. She is currently working for the Undersecretariat of Water Resources. She is Member of The Millennium Project WFUNA and Vice-President of the Argentina Water Forum GWP.

Mark Zeitoun (UNITED KINGDOM) works at present at the School of International Development, University of East Anglia, UK. As co-lead of the London Water Research Group, his research focuses on transboundary water conflict and cooperation. With extensive experience as a humanitarian-aid water engineer he consults regularly on water negotiations, policy and governance for a variety of organisations, primarily in the Middle East and Africa.



Raquel Zabala

EXECUTIVE DIRECTOR

Tom Soo (FRANCE) holds a Masters degree in Sciences of People, Territory and Society specialising in participatory water management; and also has a degree in Electrical Engineering. He has a background in institutional development, management consulting, programme coordination, monitoring and evaluation, communication and participation. He has been a consultant to programmes of large international institutions including the European Union, governments in the Mediterranean region and in Australia, as well as private industry.



Mark Zeitoun



Tom Soo

Latest IWRA activities

The 37th WWC Board Meeting in January 2010

President Xia Jun has attended the 37th Board of Governors meeting at the World Water Council (WWC) on behalf of IWRA.

The board meeting was held in Delft, Netherlands from 27 to 29 January 2010. IWRA is one of the founding members of the World Water Council and played a key role in its formation as an organisation committed to global water policy.

The World Water Council's mission is "to promote awareness, build political commitment and trigger action on critical water issues at all levels, including the highest decision-making level, to facilitate the efficient conservation, protection, development, planning, management and use of water in all its dimensions on an environmentally sustainable basis for the benefit of all life on earth.

By providing a platform to encourage debates and exchanges of experience, the Council aims to

reach a common strategic vision on water resources and water services management amongst all stakeholders in the water community.

In the process, the Council also catalyses initiatives and activities, whose results converge toward its flagship product, the World Water Forum."

During this meeting, the board approved the WWC Strategy for 2010 to 2012. These strategic objectives include:

- 1• Supporting political action to improve water and sanitation services and water management;
- 2• Deepening the involvement of major water users in solving global water challenges;
- 3• Strengthening regional co-operation to achieve water security and economic development;
- 4• Mobilising citizens and consumers to address the global water crisis.

In order to address these objectives the WWC President, Loïc Fauchon mandated IWRA's President, Jun Xia, to develop the WWC directions on the key theme of Water Supply and Water Demand Management.



World Water Council

Executive Office transitions

IWRA Executive Office moved from the WISA (Water Institute of South Africa) at the beginning of April 2010.

The new "E.O." now hosted by Association VERSeau Développement in Montpellier (France) commenced activities under the new Executive Director, Mr. Tom Soo.

The new E.O. intends to support the growth of the association and will actively seek to engage with members to advance water resources management. It will also support the various activit-

ies of IWRA, including participation in international processes and engagement with networks at the national, regional and international levels. It has an “open door” to all members and you are encouraged to contact the E.O. to discuss mutual contributions with IWRA or to develop any ideas.

VERSeau Développement is a French non-profit



association, which aims to promote and disseminate the skills and capacities of the French Water community. Specialising in institutional, technical and legal approaches for qualitative and quantitative water resources management, it creates and builds partnerships between private and public organisations. It is an “NGO in Special Consultative Status with the Economic and Social Council of the United Nation”.

ASIA 2010 Third International Conference on Water Resources and Renewable Energy Development in Asia



The Third ASIA International Conference and Exhibition was held in Sarawak, Malaysia on 29 and 30 March 2010.

This event was supported by IWRA in collaboration with various international partners. IWRA President Jun Xia made an important contribution about “Screening for climate change adaptation: managing the potential impacts of climate change to the water sector in China”.

InterAcademy Council (IAC) Water Study, February 2010

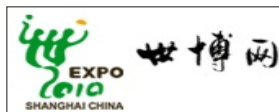
From 21 to 23 February 2010, President Jun Xia, Dr. Weng Chan and Prof. Asit Biswas participated in the Organising Group “Transition to a Sustainable Water Future” of the IAC.

During this meeting, the group defined different issues for the study panel.

The IAC is an association of the world’s academies of sciences, headquartered in Amsterdam, The Netherlands, and governed by a Board of 15 Academy Presidents.

Upcoming events

IWRA pavilion at 2010 World Exposition in Shanghai



From 13 to 19 September 2010, IWRA in co-operation with the International

Commission on Large Dams (ICOLD) will manage the Water Pavilion of the World Water Council at the Shanghai World Exposition in China. This is a tremendous opportunity for IWRA to get in touch with the general public and water professionals to raise awareness of water issues around the world. A working committee is being formed to organise this event.

For more informations about the Shanghai World exposition:

<http://en.expo2010.cn>

IWRA Board meeting June 5-7



The new IWRA board will hold its first meeting from 5 to 7 June in Montpellier, in the south of France. This occasion will be used to kick off a clear strategic plan with associated actions and budget.

IWRA Publications

Water International

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James E. Nickum

• Articles

Forests and floods in Latin America: science, management, policy and the EPIC FORCE project

James C. Bathurst, Jaime Amezaga, Felipe Cisneros, Marcelo Gaviño Novillo, Andrés Iroumé, Mario A. Lenzi, Juan Mintegui Aguirre, Miriam Miranda and Adriana Urciuolo

The role of intra-water sector issue linkage in the resolution of transboundary water conflicts

Ines Dombrowsky

Stakeholder preferences for water management alternatives in the Red River Basin

R.R. Hearne and D.R. Torpen

Comparison of potential water supply and demand in Taiwan

Chien-Tsun Lin, Hsin-Hsiung Chen, Tomonori Kume and Chyi-Rong Chiou

Hydrogeological investigation of Sarkikaraagac Basin (Isparta, Turkey) and groundwater vulnerability

Simge Ormeci Varol and Aysen Davraz

Cost-benefit analysis for urban rainwater harvesting in Beijing

Zuo Jianbing, Liu Changming and Zheng Hongxing

• Technical Notes

Estimating nutrient loads in the Passaúna reservoir with FLUX

Bruno Victor Veiga and Maurício Dziedzic

Generating information required in climate change studies in Swaziland

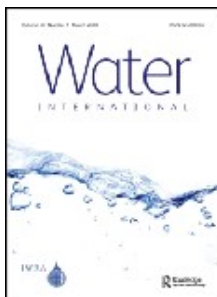
Jonathan I. Matondo

Integrating GIS and remote sensing for identification of groundwater potential zones in the hilly terrain of Pavagarh, Gujarat, India

Manika Gupta and Prashant K. Srivastava

As a member you can access this journal at:

www.tandf.co.uk/journals/rwin/
www.iwrahome.org



Recent books received at the Editorial Office

Works by IWRA members

Abe Ken-ichi and James E. Nickum. 2009. *Good Earths: Regional and Historical Insights into China's Environment*. Kyoto: Kyoto University Press and Melbourne: Trans Pacific Press.

Biswas, Asit K., Eglal Rached and Cecilia Tortajada. 2008. *Water as a Human Right for the Middle East and North Africa*. London and New York: Routledge.

Gopalakrishnan, Chennat, and Norio Okada. Eds. 2007. *Water and Disasters*. London and New York: Routledge.

Jia Shaofeng, Jiang Wenlai, Shen Dajun et al. 2006. *Shui ziyuan jingjixue* (Economics of water resources). Beijing: China Water and Power Press (in Chinese).

Jairath, Jasveen and Vishwa Ballabh. Eds. 2008. *Droughts and Integrated Water Management in South Asia*. Los Angeles: Sage. (P. Mollinga, series editor)

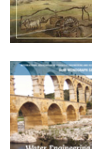
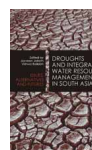
Ringler, Claudia, Asit K. Biswas and Sarah A. Cline. Eds. 2010. *Global Change: Impacts on Water and Food Security*. Berlin: Springer Press.

Takahashi Yutaka. 2008. *Shinban Kasen kougaku* (River engineering, New edition). Tokyo: Tokyo University Press (in Japanese).

Works recommended by members of the Editorial Office or Publications Committee

Shah, Tushaar. 2009. *Taming the Anarchy: Groundwater Governance in South Asia*. Washington DC: Resources for the Future.

Viollet, Pierre-Louis. 2007. *Water Engineering in Ancient Civilizations: 5,000 Years of History*. Translated from the 2005 French ed. (*L'Hydraulique dans les Civilisations Anciennes*) by Forrest M. Holly. Madrid: IAHR International Association of Hydraulic Engineering and Research.





Member perspectives

This section is the first part of a new series of interview with the various members of IWRA. It will be your voice to the rest of our IWRA community. In this interview, we ask the new Executive Director, Tom Soo about the new IWRA Executive Office in Montpellier.

What value does the new EO deliver to IWRA members?

T.S.: *“The new Executive Office aims to create the conditions to improve the participation of members in the activities of IWRA by providing regular information about the association's actions, by creating tools to encourage dialogue and feedback from members and by encouraging and supporting member actions and networking. As IWRA now has an EO with dedicated staff, I am very confident and optimistic that we will be able to engage with our members. I am continually looking for ways to make IWRA as interesting and relevant as possible and I'd encourage any member to contact me to discuss this.”*

What does Montpellier offer IWRA?

T.S.: *“Montpellier is one of Europe's premier cities for scientific excellence in water. The water sector in Montpellier can open up significant networking opportunities and membership bases in Europe, the Mediterranean basin, Africa and Central Asia where IWRA currently has few members and low impact. This month, Montpellier received the label to be France's premier Centre for World Excellence in Water (Ed.: “Pôle Mondial de Compétitivité”). One of the Pôle's objectives is to become a world reference in the water field and I think that this complements perfectly the vision of IWRA to improve water management worldwide. This shared objective could be used to the advantage of both structures where appropriate in terms of sharing networks, international presence and reach.”*
At the same time, two years on from the XIIIth World Water Congress in Montpellier, VERSeau Développement and the whole of the Montpellier

water community from research to public authorities, private industry, NGO's cultural and educational sectors and even the media are aware of and have a good understanding of IWRA's objectives.”

What is the role of the Executive Office?

T.S.: *“I see the main role of the Executive Office first and foremost as the support structure to ensure the smooth operations of IWRA's daily activities and provide responsive services to its members. The members of the Executive Board and indeed all IWRA members contribute extensively through their knowledge and expertise, and it is up to the Executive Office to provide the services to enable them to realise their potential through IWRA. The force of IWRA lies in the multi-disciplinary approaches and international reach of its members. We need to continually strive to strengthen these networks to promote relevant and pertinent messages, debates and forum for sustainable water development. The job of the Executive Office is to work with its members to build the bridges to enable the passage of quality research and knowledge to sustainable water policy and development. In the coming months and years, this means activities such as building a strong office; working towards the XIVth IWRA World Water Congress in Brazil in 2011 and the VIth World Water Forum in Marseille, France in 2012; and fostering global linkages with relevant institutions.”*