



IWRA *Update*

Newsletter of International Water Resources Association

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Executive Office editorial

We are pleased to present this latest edition of the IWRA newsletter where we will provide an overview of the major activities over the last three months and inform you of upcoming events.

May saw the launch of our new website (www.iwra.org), with a lot of information about the association and its activities. Each member has also access to a personal account (profile section, invoice, electronic access to Water international). We hope it proves easy to use, informative, and useful for our members and the public in general.

The Editor-in-Chief of Water International, James Nickum, has prepared an editorial on current and upcoming editions of Water International and other recommended publications. In this issue, you will find a "News and Related Publications" column. It most notably contains an article sent to us by the IWRA Japanese Committee (written by Dr. Takeuchi et al.) about the latest earthquake in Japan.

In May, the latest board meeting took place in Montpellier. It saw decisions made regarding the budget, membership situation, publications, the organisation of the awards and the selection process between the candidates for the XVth World Water Congress in 2014.

Finally, the IWRA has been involved in several others activities which include: a special session during the Singapore Water Week; coordination of two targets for the 6th World Water Forum; participation at the Stockholm World Water Week; co-organising the International Symposium in Xi'An, China.

We are also taking the opportunity to provide you with the latest news regarding the XIVth World Water Congress, as this issue is the last one before the event. The congress, alongside the November issue of Water International, will see the IWRA celebrate it's fortieth birthday (1971-2011).

We hope to see you at the upcoming World Water Congress!



Please consult the official website of the congress at:

www.worldwatercongress.com

For registration, please follow this link:
<http://worldwatercongress.com/en/registration.php>

Latest IWRA activities



International conferences in Tashkent, Uzbekistan



© Government Republic of Uzbekistan

The meeting “Towards the 6th World Water Forum - Cooperative Actions for Water Security” was held in Tashkent (Uzbekistan) from 12 to 13 May 2011.

IWRA Awards Committee Chair Viktor Dukhovny, IWRA Board treasurer Gabriel Eckstein, IWRA Director Murad Bino and IWRA Executive Director Tom Soo attended this meeting.

The proceedings of the conferences and the final resolution of this event are available following this link:

http://www.cawater-info.net/6wwf/conference_tashkent2011/files/fin_doc_en.pdf

Hydrogaia

The first Hydrogaia was held in Montpellier, France, 25 to 27 May.

The main activity of this event consists of commercial expositions of private companies and institutions. At the same time, IWRA and the Languedoc Institute of Research on Water and the Environment (ILEE) organised a series of scientific discussion panels. Several IWRA members attended, including Former IWRA President Asit Biswas and IWRA Treasurer Gabriel Eckstein on a panel on water governance in the opening session.



© Tom Soo

Prof. Cecilia Tortajada, IWRA Past President, chaired the conference’s second day about Mediterranean perspectives on water and Prof. Giuseppe Rossi, IWRA Executive Board Vice-President, participated as speaker.

The third day of conferences was about Water Reuse.

Proceedings of all of these three conferences days and a video and the conferences about Water Governance will be published soon in our website.

Latest IWRA activities

Granada International Workshop



©University of Granada

An international workshop on “Water Pricing and Public-Private Sectors in Efficient Urban Water Management” was 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 co-organised this event Prof. Asit Biswas participated as international member of the honour committee.

The programme of this event was divided into different sessions: water demand, efficiency in water industry, regulation of water services, tariff design, water services in developing countries, management of water services in Granada, implementation of the water framework directive in Spain. The presentations of the speakers of these sessions are available on the website of this event, following this link:

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

Please note that details about IWRA's activities are regularly published under the column “Event/Other events” in the IWRA Website.

IWRA Board meeting

During Hydrogaia event, IWRA held a board meeting from 25 to 26 May.

Board members worked together on different institutional topics such as:

- budget
- publications report
- membership situation
- recommendations of the IWRA Awards Committee.
- Advances on the planning of the upcoming world water congress and selection process of the bids for the XVth World Water Congress which will be organised in 2014.
- IWRA's involvement in the World Water Forum.

Next Board Meeting will be held in Porto de Galinhas, Brazil during the 14th World Water Congress.



IWRA Executive Board Meeting - © James Nickum

42th Board of Governors meeting - World Water Council

IWRA President Jun Xia attended the World Water Council board of governors meeting from 9 to 10 June in Marseille, France.

Upcoming events



XIVth IWRA World Water Congress

In a few months, the IWRA World Water Congress will be held in Porto de Galinhas, Brazil, from 25 to 29 September 2011.

During this occasion, IWRA will also celebrate the fortieth anniversary of existence.

For more information, please read the "Congress Update" column of this newsletter and consult the congress website at:

www.worldwatercongress.com

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



IWP-IWRA-JICA workshop during

the 2011 Singapore WaterWeek

A Workshop on "Urban Water Quality Policies and Governance Practices in Asia: Present status and future challenges" will be coorganised by IWRA, the Japan International Cooperation Agency (JICA), and the Institute of Water Policy (IWP) of the Lee Kuan Yew School of Public Policy (LKYSPP) and at the National University of Singapore (NUS) during the Singapore Water Week on 5 July 2011. IWRA officers Jun Xia, Cecilia Tortajada and James E. Nickum, Director Ngai Weng Chan and IWRA Fellow Yutaka Takahashi gave presentations at this event.



World Water Week

This annual event organised by the Stockholm International Water Institute in Stockholm, Sweden will be held from 21 to 27 August 2011. The main theme will be "Responding to Global Changes – Water in an Urbanising World".

IWRA is organising a session with French National Committee of the International Commission on Irrigation and Drainage (AFEID), World Health Organisation (WHO) and Food and Agriculture Organisation (FAO) on "What Water Quality for what uses". To get involved, please contact the Executive Office.

The final programme is published on the event website at:

<http://www.worldwaterweek.org/sa/node.asp?node=1079>



6th World Water Forum, Marseille 2012

IWRA is actively involved in the 6th World Water Forum (to be held in March 2012 in Marseille, France). The association is coordinator for two Targets under the Thematic Process, Priority for Action 2.1 “Balance Multiple Uses through Integrated Water Resources Management (IWRM)”:

TARGET 3 – “By 2015 establish a worldwide recognized frame of reference related to the quantity and the quality required for different uses, through joint work between international professional associations representing all usages of water and scientists”. The coordinator of this target is Tom Soo, IWRA Executive Director.

TARGET 7 – “By 2015, IWRM authorities, jointly with water service professionals will identify reliable methods and provide recommendations on appropriate equipment for accounting/measurement of withdrawn water resources as well as produced, distributed, consumptive use and return flow water volumes. As part of this process International Organizations will develop recommendations regarding which water related information should be retained or shared.” The coordinator of this target is Jun Xia, IWRA President.

For more information about this process, do not hesitate to contact the Executive Office. More information about the Forum and in particular about this Priority for Action are detailed on the official website at:

<http://www.worldwaterforum6.org>



Publications

From the Editor-in-Chief, Water International

In two years, *Water International* has gone from four issues a year to seven. In 2011, five of those are special issues on some cutting-edge themes. January was the third and final issue in a series on the CGIAR Basin Focal Project on water, food and poverty in river basins, this one providing cross-cutting analyses of themes such as water availability and use, water productivity, resilience, climate change impact and linkages between poverty, water and agriculture. Together with the basin studies that appeared in WI last year, plus an institutions chapter, the CGIAR study will appear later this year in an IWRA-sponsored book published by Routledge, *Water, Food and Poverty in River Basins: Defining the Limits*.

In March, the special issue was on *Post-Conflict Peacebuilding and Water Management*, prepared as a component of a larger project on post-conflict peacebuilding by the Environmental Law Institute and the University of Tokyo. Included were studies of South Sudan (by IWRA stalwart Salman Salman), the Indus, the Jordan, the Sava, the Iraqi marshlands, Helmand Province (Afghanistan), and Kabul and Monrovia (compared), together with overviews of the role of community water resource management and the right to water and sanitation. A more extended version of these papers will also appear shortly as an Earthscan book, but *Water International* readers will have seen them first!

Publications

From the Editor-in-Chief, Water International

The May issue is now in press, after a delay caused in part by the turmoil in Tokyo (all is well, thanks) following the earthquake, tsunami and downgrading of nuclear power as an energy alternative in Japan. It is the first open issue of the year, and one of only two, allowing us to be even more selective among the increasing number of manuscripts submitted to us (currently about 170 a year, allowing an acceptance rate of 10-15%). The ten papers in the May issue sort into two major categories: concepts and methods and “sharing” waters in South and Southeast Asia, and once again demonstrate the disciplinary and geographical range of our contributors and readership. We also have a book conversation on Dellapenna and Gupta’s *Law and water governance: past, present and future*, a review of Molle and Wester’s *River basin trajectories: societies, environments and development*, and an exchange between David Brooks and Wegerich and Olsson over the latter’s questioning of the equity of “equitable utilization” and the harmlessness of “do no harm” in the November 2010 issue. It is a rich and full issue. I hope you enjoy it.

July will see the first special issue carried out in collaboration with the International Water Management Institute (IWMI). Dennis Wichelns and Pay Dreschel have assembled an exciting collection of papers on *Wastewater Reuse in Agriculture: Economics, Risks and Opportunities*. Included are surveys of and from the field, and considerations of risk-reduction approaches to a widespread but rarely mentioned phenomenon that not only will not go away, but if handled properly may help address growing problems of water shortage and food and rural income security. Of particular interest is a paper by Murray et al that reflects notably innovative thinking about how public officials might gain some policy traction by engaging the private

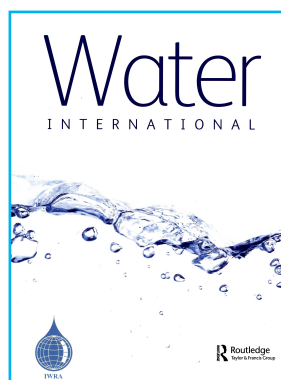
sector more aggressively in addressing wastewater collection and reuse in developing countries.

The paper by Murray, as well as the introductory chapter, will be made available on the Taylor & Francis website (and possibly the IWRA one as well) for free download to the public. I select one or two articles in each issue for this service, in an effort to build interest and readership. For March, it was the South Sudan article; for May, a paper on hydrosolidarity by Gerlak et al. and one by Frederiksen and Allen on the calculation of primary water uses. Of course, IWRA members have open access to all papers. We are also seeking to provide links to these downloads on appropriate websites, in order to broaden publicity and awareness in the e-era. If you have any suggestions as to other ways we can get the word out, please let me know. We have a lot of exciting and timely information to share.

After July, the pace quickens, with special issues in September and October, and a regular issue in November. September, assembled and edited by IWRA Treasurer Gabriel Eckstein, is on transboundary groundwater, with focus on crafting effective international laws – I think of it as trying to bury hatchets over buried treasure. October is scheduled to be the first one on African Water Issues, done in cooperation with the African Ministerial Conference on Water (AMCOW), UN Water-Africa, and the Environmental Law Institute. Mark those on your calendars, and make sure your memberships are paid up, because there is a lot coming your way from *Water International!*

James E. Nickum

Publications
From the Editor-in-Chief, *Water International*



Vol. 36 No.3 *Water International* (May 2011)

**Concepts
and methods**

- Hydrosolidarity and beyond: can ethics and equity find a place in today's water resource management?

*Andrea K. Gerlak, Robert G. Varady,
Olivier Petit & Arin C. Haverland*

PAGES 251-265

- A common basis for analysis, evaluation and comparison of offstream water uses

Harald Dixen Frederiksen & Richard Glen Allen

PAGES 266-282

- Water statistics and poverty statistics in Africa: do they correlate at national scales?

David Kaczan & John Ward

PAGES 283-294

- Strategic optimization for implementing the Jordanian National Water Master Plan

*Richard C. Peralta, Andreas H. L. ck
& Ross Hagan*

PAGES 295-313

- Groundwater legislation in Turkey: problems of conception and application

Ahmet Apaydin

PAGES 314-327

**Sharing waters in South
and Southeast Asia**

- Sharing waters in South and Southeast Asia

Regional hydrogeopolitics of the transboundary impacts of the Lancang cascade dams

Zhiguo Li, Daming He & Yan Feng

PAGES 328-339

- Hydrology, management and rising water vulnerability in the Ganges-Brahmaputra-Meghna River basin

Mukand S. Babel & Shahriar M. Wahid

PAGES 340-356

- Hydrological impacts of inflow and land-use changes in the Gorai River catchment, Bangladesh

Luna Bharati & Priyantha Jayakody

PAGES 357-369

- An inquiry into collective action and sustainable participatory watershed management: evidence from Southern India

D. Suresh Kumar

PAGES 370-385

- Climate-change impact assessment using GIS-based hydrological modelling

A. Singh & A. K. Gosain

PAGES 386-397

Publications

From the Editor-in-Chief, Water International

News and Related Publications

- **For an excellent analysis of the 2004 Sumatra earthquake/tsunami that provides useful background and perspective on the 2011 one in Northeast Japan:**

Jason K. Levy and Chennat Gopalakrishnan, "Promoting Disaster Resilient Communities: The Great Sumatra-Andaman Earthquake of 26 December 2004 and the Resulting Indian Ocean Tsunami" in Chennat Gopalakrishnan and Norio Okada, eds., *Water and Disasters* (Routledge, 2008) (originally published in the *International Journal of Water Resources Development*, 21(4), December 2005).

- **A very comprehensive and recent report about the recent Japan Earthquake and related to water disaster:**

Kuniyoshi Takeuchi (head of ICHARM and member of the IWRA Japan Committee) and Ali Chavoshian with contribution of Shigenobu Tanaka ICHARM, Tsukuba 305-8516, Japan, *Quick Report of Great Eastern Japan Earthquake and Tsunami*.

You can download this report on the Japan Committee webpage.

More information about the International Centre for Water Hazard and Risk Management (ICHARM) at:

<http://www.icharm.pwri.go.jp>

- **For a water background on the Arab spring:**

Asit K. Biswas, Eglal Rached and Cecilia Tortajada, eds., *Water as a Human Right for the Middle East and North Africa* (Routledge, 2008)

Recommended Books

Improving Water Policy and Governance, Cecilia Tortajada and Asit K. Biswas (editors), 2011, Routledge, London, 195 pp.

Old forms of governance in both public and private sectors are becoming increasingly irrelevant because of rapidly changing conditions. Because of these changes, both governance processes and the scope of the institutions through which power is exercised throughout society may have to undergo a radical break with the past and prevailing models of governance. Water sector is an integral part of the global system. Consequently, its governance processes and the institutions responsible for its management must change as well in order to cope with the current challenges and potential future changes. Because of these current and future changes, water governance may have to change more during the next 20 years compared to the past 2000 years, if societal expectations are to be successfully met. All these changes will make water governance more complex than ever before witnessed in human history. Improving water governance will require good and objective analyses of case studies from different parts of the world as to what has worked, why and the enabling environments under which good governance has been possible. The present volume analyses case studies of good water governance from different parts of the world, and for different water use sectors. It concludes with an analysis of the critical issues that should be considered for water governance and a priority research agenda for improving water governance in the future.

Publications
From the Editor-in-Chief, Water International

UNDP/GEF Review of Legal and Institutional Frameworks for Transboundary Waters, April 2011



The UN Development Programme (UNDP) has published a global review of legal and institutional frameworks for 28 transboundary surface water, groundwater and marine water systems covering the Americas, Europe, Africa and Asia. The report also considers climate change adaptation knowledge in the various water basins analyzed.

The report was prepared under the UNDP-Global Environment Facility (GEF) Medium-Sized Project titled "Good Practices and Portfolio Learning in GEF Transboundary Freshwater and Marine Legal and Institutional Frameworks." The project, with a life-cycle of three years, seeks to facilitate good governance and effective decision making in international waters through the identification, collection, adaptation and replication of beneficial practices and lessons learned from a wide range of experiences. The project focuses on institutional harmonization and strengthening, capacity building in regard to integrated water management, and forecasting the hydrological impacts from climate change and the anticipated responses to these changes.

The report's analysis is organized by a common set of 18 criteria and is intended to provide information that can be used to support further research and analysis, with the ultimate goal of identifying a set of common elements of good governance for transboundary freshwater and marine water bodies as well as groundwater systems. This report is based on primary materials that establish legal and institutional frameworks, such as international agreements including treaties and conventions, where applicable, protocols or action plans.

The report is the result of a collaborative effort between UNDP, the University of British Columbia, the GEF and White & Case, a law firm that researched and drafted the report as an in-kind contribution to the project.

Publication:

International Waters: Review of Legal and Institutional Frameworks – UNDP/GEF International Waters Project

Information materials on the human right to water and sanitation

On the occasion of activities jointly organized by the UN-Water Decade Programme on Advocacy and Communication (UNW-DPAC), UN-Habitat, the UN-Water Decade Programme on Capacity Development (UNW-DPC) and the Water Supply and Sanitation Collaborative Council (WSSCC) at Deutsche Welle Global Media Forum (20-22 June 2011), different information materials on the human right to water and sanitation have been produced. These include:

- A Short Glossary on the human right to water and sanitation which defines frequently used terms
<http://bit.ly/kimZ4D/>
- A Media Brief presenting the current situation and some examples illustrating how the human right to water and sanitation is being implemented in practice
<http://bit.ly/mCz9g8/>
- A Reader, which provides basic references for easy reading and some of the latest and most relevant United Nations publications on this issue <http://bit.ly/iAvqri/>
- Eight Short Facts on the human right to water and sanitation <http://bit.ly/k45MFs/>
- A UN Milestones document presenting the UN historical background and evolution of recognition of the human right to water and sanitation <http://bit.ly/jEnOiq/>
- Also, a new thematic section on the human right to water and sanitation is now accessible from the Water Decade website:
http://www.un.org/waterforlifedecade/human_right_to_water.html/
- Further information on activities organized at the Forum can be found at:
<http://www.un.org/waterforlifedecade/media.html>

Congress update



The XIVth IWRA World Water Congress, a global meeting for water resources decision makers, researchers and practitioners, will be held in Porto de Galinhas,

Brazil, September 25 - 29, 2011.

The International Scientific Committee of the XIVth World Water Congress has approved 900 abstracts.

Over 50 oral sessions and 35 poster sessions, organised in five themes, will provide the overall structure for the Congress:

- Adaptive water management
- Water resources and global change
- Governance and water law
- Knowledge systems
- Special sessions

At this moment, 8 special sessions organised by international and Brazilian organisations will be held during the Congress.

The Congress will be jointly held with the 10th Symposium on Hydraulics and Water Resources of Portuguese Language Countries (SILUSBA), which brings in an additional 200 approved abstracts.

Final arrangements for keynote speakers, plenary sessions, and other special sessions are underway. Please refer to the Congress website at:

www.worldwatercongress.com

All IWRA members are encouraged to attend.

Christopher Scott

New IWRA website and Taylor & Francis new online platform

The new IWRA website was launched on Monday 23 May 2011. The new address is www.iwra.org. (Please update your links to this new address).

More general information about IWRA has been added: its mission and profile, geographical committees, membership, congresses and events, publications (Water International, newsletter, other IWRA member publications) and awards.

Information about events, news and last publications are frequently uploaded, keeping you informed about the latest news and upcoming activities.

Member accounts have been designed to be user-friendly to provide easy access to member profile data, payment information and electronic access to Water International.

Members are strongly encouraged to send information about events and publications to the Executive Office who could announce them on the website (and on the newsletter).

A link to an online questionnaire has been added on the website homepage, please fill it in to get back to us with your feedback.

Please note that the Executive Office will shortly create a new function on the account of each member to better understand our collective competences and geographical area of expertise. This function will be optional and each member could also define if her/he wants to participate to international commission groups and work documents, participate in book review and/or connect with the other members.

In addition, our publishers, Taylor & Francis are launching a new online platform on 27th June 2011.

There will be no changes to the way you access the electronic version of *Water International*. As before, simply go to the IWRA website, log on to your member space, select the tab "WI Journal" and click on "Consult Water International online". You will be automatically redirected to Taylor & Francis website and have full access to all the issues of the Water International journal. The main changes will be with how you interact with *Water International* at the Taylor and Francis website.

Please note that only the Taylor & Francis website is changing on 27th June 2011, everything on the IWRA website will stay the same.

IWRA Member



Dr. David Molden, selected as the new Director General of ICIMOD

Our congratulations to Dr. David Molden, who has been selected as new director General of the International Centre for Integrated Mountain Development (ICIMOD) from 1st December 2011. Dr. Molden is the current Deputy Director General Research of IWMI in Sri Lanka and a IWRA member. He is a national of the USA, he received a PhD in Civil Engineering from the Colorado State University and he is a development specialist with more than 30 years of experience with different institutions (such as USAID, IWMI) in designing, planning, executing, and monitoring programmes on water management, livelihoods and environment, and ecosystem services.

He has received many awards including the CGIAR award for "Outstanding Scientist of the Year" in 2010.

From 2001 to 2007, Dr. Molden coordinated the Comprehensive Assessment (CA) of Water Management in Agriculture, which covers 50 years of global experience. The study produced influential scientific findings, which are considered to be a reference to determinate future efforts to cope with water scarcity in agriculture.

In addition to leading the development of a conceptual framework for the assessment, Dr. Molden kept a widely dispersed team of more than 1,000 scientists on track and translated their key findings into a compelling set of messages for policy makers. These are conveyed in a book entitled *Water for Food, Water for Life* that Dr. Molden edited.

For more information, please refer to:

Organisation websites:

IWMI at www.iwmi.cgiar.org.

CGIAR at www.cgiar.org

and ICIMOD at www.icimod.org.

The electronic version of the Book *Water for Food, Water for Life* at: <http://www.iwmi.cgiar.org/Assessment/> (and more information about the CA study).

IWRA Membership: Join us today

IWRA is continuing to increase and improve its activities (and many former) and new members kindly (re)joined us this year. Thank you for your support!

We still encourage others involved in the water field to join IWRA to help us generate and exchange knowledge to improve water policy and water management throughout the world.

We have different membership categories depending on your situation. Our online registration process is secured, quick and easy. Please follow this link to our website: <http://www.iwra.org> and click on the tab Membership/Become a member.

Upcoming Newsletter: special Issue about the XIVth World Water Congress and the 40 Years of IWRA (1971-2011)

The upcoming issue of IWRA Update will be published next September with a special focus on the Upcoming IWRA World Water Congress in Brazil.

This edition will also highlight the fortieth anniversary of IWRA with a special article about IWRA's history.

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