



# IWRA Update

Newsletter of the International Water Resources Association

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## MESSAGE FROM THE EXECUTIVE DIRECTOR



*This is the first newsletter of a rather unique year, being the International Year of Water Cooperation and also the year of a few changes to some familiar faces of the association. Firstly let me welcome the new Executive Board led by Prof. Dogan Altinbilek which starts its mandate for the next three years. At the same time I express many thanks on behalf of the Executive Office to Prof. Jun Xia and the previous board for their leadership throughout 2010 to 2012. The new Executive Board met in Montpellier in February and have set an ambitious course for the association, a brief report is provided by Prof. Altinbilek on page 4.*

*Continuing on the theme of new faces, the IWRA Japan National Committee recently held its annual general meeting and elected new officers. I warmly welcome Dr. Kaoru Takara as the Chair, Mr Kiyofumi Yoshina as the Secretary General and Mr Tetsuya Ikeda as Secretary of the National Committee. I would also like to express my thanks to the previous Chair Dr Mushiake, previous Secretary General Mr Motoo Fujiyoshi and previous Secretary Mr. Takashi Izumiya.*

*For quite some time, IWRA Fellow status has been granted to long standing members who have performed outstanding services to the water resources field. I am most honoured to welcome Dr Salman M.A Salman, an eminent expert and thought leader as a Fellow of IWRA. In this newsletter Dr Salman shares some insight about the "2013 International Year of Water Cooperation"... because yes, that is the theme of this year's World Water Day! To celebrate, IWRA is also joining in activities with members participating in various events around the world (see page 6).*

*James Nickum and Phillipus Wester have teamed up to give us a great January issue of Water International, whilst this newsletter is also honoured to share with you recent books and articles published by members.*

*On a final note, I am happy to announce that our XV<sup>th</sup> World Water Congress will be held from 25 to 29 May 2015 in Edinburgh, Scotland. The event will be hosted by the Scottish Government. An outstanding team of individuals have been mobilised to form the International Steering Committee which will be chaired by Dr. Cecilia Tortajada.*

*If you or your institution would like to play a role in the preparatory processes, I encourage you to contact the Executive Office.*

**Tom Soo**  
IWRA Executive Director

World Water Day 2013  
International Year of Water Cooperation

## OPINION PIECE

A warm congratulations to Dr Salman M.A. Salman on being elected as a Fellow member of IWRA. IWRA Fellow status is awarded to long-standing members in recognition of exceptional contributions and outstanding achievements in the field of water resources management.

In celebration of World Water Day, which will be held on 22 March 2013, IWRA Update asked Dr Salman to share some perspectives and background on this year's theme: "2013 International Year of Water Cooperation".



### ABOUT Dr Salman M.A. Salman

Salman M.A. Salman is an academic researcher and consultant on water law and policy. Until December 2009, he worked as lead counsel and water law adviser with the Legal Vice Presidency of the World Bank in Washington, D.C. Before joining the World Bank, he was a legal officer with the United Nations

International Fund for Agricultural Development (IFAD) in Rome, Italy. Prior to that, he was a lecturer at the Law School of the University of Khartoum in Sudan. Dr. Salman is the author, co-author, or editor of ten books, and has published over fifty articles and book chapters on various issues on water law and policy. Some of his books have been translated to and published in Arabic, Chinese, French, and Russian. Dr. Salman obtained his LLB from the University of Khartoum Law School, and holds an LLM and a JSD from Yale Law School.

## 2013, International Year of Water Cooperation

*Salman M.A. Salman*

The United Nations General Assembly (UNGA) adopted on December 20, 2010 resolution 65/154, proclaiming 2013 as the "International Year of Water Cooperation." The resolution, adopted without vote, called on all member states of the United Nations system and all other actors to take advantage of the Year to promote actions at all levels, including through international cooperation, aimed at the achievement of the internationally agreed water-related goals contained in Agenda 21, the Programme for the Further Implementation of Agenda 21, the United Nations Millennium Declaration, and the Johannesburg Plan of Implementation, as well as to increase awareness of their importance. Celebrations of the World Water Day on March 22, 2013 will focus on plans and programs for achieving the objectives of this resolution.

The United Nations started paying attention to water resources in 1972. In June of that year, the United Nations Conference on the Human Environment was held in Stockholm, Sweden. Principle 2 of the Stockholm Declaration stated that "the natural resources of the earth including the air, water, land, flora, and fauna... must be safeguarded for the benefit of the present and future generations through careful planning and management." Five years later, water resources received far reaching attention of the world community for two full weeks when the Mar del Plata Water Conference was held in Argentina, March 14 to 25, 1977.

The Mar del Plata Action Plan included detailed provisions on water resources assessment, water use and management efficiency, the environment, the right to water, and international cooperation. One critical outcome of the conference was the proclamation of the period 1981 to 1990 as "the International Drinking Water Supply and Sanitation Decade."

The world community's attention to the emerging problems facing water resources continued. In January 1992 the International Conference on Water and the Environment was held in Dublin, Ireland, and issued the "Dublin Statement on Water and Sustainable Development." The Conference underscored the fact that water resources management should be based on a participatory approach involving users, planners and policy makers at all levels. It addressed the two principles of water as an economic good, as well as the right to water at an affordable price. This meeting was followed six months later by the United Nations Conference on Environment and Development that was held in Rio de Janeiro, Brazil, in June 1992. Agenda 21 of the Rio Summit "Actions on Sustainable Development" included a separate chapter (Chapter 18) on water resources which laid down detailed plans, programs and action plans to "satisfy the freshwater needs of all countries for their sustainable development." Cooperation at all levels was highlighted as one important requirement for achieving this objective.

Building on the recommendations of the Rio Conference, the UNGA adopted on December 22, 1992, resolution 47/193, declaring March 22 of each year, as World Water Day, to be observed starting in 1993, and invited states to devote the day in the national context to concrete activities such as the promotion of public awareness through publication and diffusion of documentaries and the organization of conferences, round tables, and seminars related to the conservation and development of water resources.

A number of other actions in the water resources field were thereafter taken by the UNGA. The most important of those has been the adoption by the UNGA on May 21, 1997, by more than one hundred of its members, of the United Nations

## OPINION PIECE

Convention on the Law of the Non-Navigational Uses of International Watercourses. The Convention is predicated on the principle of cooperation of the watercourse states, and indeed it mentions the words cooperation/cooperate fifteen times. The Convention needs the ratification/acceptance of 35 parties to enter into force. Thus far 30 countries have ratified/accepted the Convention, raising hopes that the Convention may even enter into force during 2013, making the year also the year of international water cooperation.

Furthermore, the UNGA adopted resolution 55/196 on December 20, 2000, proclaiming the year 2003 as the International Year of Freshwater, and called for concerted actions and efforts for better management and conservation of water resources, through inter alia, cooperation between the different users. This followed the Millennium Declaration that was adopted by the UNGA on September 8, 2000. One of the eight millennium development goals to be achieved by 2015 is reducing by half the proportion of people without sustainable access to safe drinking water. The UN Summit on Sustainable Development that was held in Johannesburg, South Africa, in September 2002 added a similar goal with regards to sanitation. The need to achieve both goals was underscored by the UNGA resolution 58/217 adopted on December 23, 2003, which declared the period 2005 – 2015 as the “International Decade for Action, Water for Life,” and stated that the goals of the decade should include a greater focus on water related issues at all levels to achieve the internationally agreed goals.

The UNGA decided to give similar attention to sanitation, and addressed this matter through resolution 59/228 adopted on December 22, 2004, as well as resolution 61/192 of December 20, 2006 which proclaimed 2008 as the international year of sanitation.

These resolutions, declarations and action plans underscore and highlight the fact that water is a scarce and finite resource, with no substitute and upon which the very existence of life depends entirely. Thus, the declaration of 2013 as the international year of water cooperation and the celebrations that will take place on March 22 this year should mark as another important reminder that cooperation is needed at all levels – among individual and corporate users, districts and provinces within the country, and more importantly among states – to manage, share, protect and conserve the most vital heritage of mankind, its water resources.

As a member of IWRA you may also nominate other IWRA members to obtain Fellow member status. You can find more information at our website:

[www.iwra.org](http://www.iwra.org) under the “membership” tab.

## XV<sup>th</sup> World Water Congress



IWRA is pleased to announce that the XV<sup>th</sup> World Water Congress will be held from 25 to 29 May 2015 in Edinburgh, Scotland.

The event will be hosted by the Scottish Government. The International Scientific Committee (ISC) of the Congress is:

- Dr. Cecilia Tortajada (Chair), President, Third World Centre for Water Management, Mexico.
- Mr. Jon Rathjen, Team Leader, Water Industry Team, Scottish Government, Edinburgh, Scotland.
- Prof. Emmanuel M. Akpabio, Lecturer, Department of Geography & Regional Planning, University of Uyo, Nigeria.
- Dr. Eugenio Barrios, Director, Water Programme, WWF-Mexico.
- Dr. Marius Claassen, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa.
- Dr. Anthony Cox, Head of Division, Environment Directorate, OECD, Paris, France.
- Dr. David Brooks, IISD's Natural and Social Capital program, Canada.
- Prof. Gabriel Eckstein, Professor of Law, Texas Wesleyan University School of Law, USA, and Treasurer, IWRA.
- Dr. James Horne, President, Horne & Associates, previous Director General of Water and Environment, Australia.
- Dr. Elcin Kentel, Associate Professor, Middle East Technical University, Ankara, Turkey.
- Prof. Lilian Laborde, Professor, Buenos Aires University, Argentina.
- Dr. David Molden, Director General, International Centre for Integrated Mountain Development, Kathmandu, Nepal.
- Prof. Mikiyasu Nakayama, Head and Professor, Department of International Studies, Graduate School of Frontier Sciences, University of Tokyo, Japan.
- Prof. James Nickum, Editor-in-Chief, Water International, Tokyo, Japan.
- Dr. Markus A. Palenberg, Director, IDS - Institute for Development Strategy, Munich, Germany.
- Prof. Gareth Pender, Environmental Engineering, Institute for Infrastructure and Environment, Heriot Watt University, Edinburgh, Scotland.
- Mr. Puah Aik Num, Chief Specialist of Water Treatment, Public Utilities Board, Singapore.
- Dr. Ahmet Saatci, President, Turkish Water Institute, Istanbul, Turkey.
- Prof. Christopher Scott, Associate Professor, Arizona University, and Chair of the Recife Congress, USA.
- Dr. Kail Wegerich, International Water Management Institute, Tashkent, Uzbekistan.
- Dr. Jun Xia, Dean, Research Institute for Water Security (RIWS), Wuhan University, China.
- Prof. Jaeeung Yi, Professor, Ajou University, Sowon, Korea.

### Interested in playing a role at the Congress?

The IWRA World Water Congress is very interested in your participation either through the organisation of special sessions, through scientific presentations, posters and articles, exhibition spaces, sponsoring and promotion, or side events. To register your interest to participate in the Congress and/or the preparatory process please contact Tom Soo or Franck Lecoq at the IWRA Executive Office ([office@iwra.org](mailto:office@iwra.org)).

## LATEST ACTIVITIES

### IWRA Executive Board meeting, Montpellier, France



The first board meeting of the newly elected Executive Board for 2013-2015 was held from 3 to 4 February at the offices of the IWRA secretariat in Montpellier, France. The two day meeting took place in a friendly and most collegial atmosphere, and consisted of detailed presentations, rich discussions and important strategic decisions for the 3 years to come. Many informal but very interesting exchanges during the lighter social moments were also shared between the board members. This board meeting has definitely consolidated my belief that we have an excellent team with diverse talent and great experience; that the team is getting to know each other better and better; and that together we are building great plans for improving the association even more over the coming years. The meeting concluded with a reception and discussion with Mr. Andre Vezinhet, President of the Conseil General de l'Herault, on 4 Monday February 2013 in the new and beautifully architected site of Pierresvives in Montpellier.

By **Dogan Altinbilek, President of IWRA**

### World Water Council: first official meeting of the new board, Marseille, France



IWRA President, Dogan Altinbilek along with Past President Jun Xia and Directors Kun-Yeun Han and Patrick Lavarde attended the first meeting of the World Water Council's Board of Governors.

1 February 2013, Marseille, France, the Council's Board of Governors gathered for the 48<sup>th</sup> time since the organisation's creation in 1996. It was, however, the first official meeting of the new Board since its election at the 6<sup>th</sup> General Assembly in November 2012. President Braga announced a two-day-meeting with a dense agenda and activities such as a break-out session to establish the strategic roadmap for 2013-2015.



"It is very important for us to gather like this," said one Governor. "The Board meetings enable us to report on past activities and plan for upcoming international gatherings and projects where the Voice of Water needs to be heard". On Friday night, the Governors were invited by Honorary President Loic Fauchon to visit one of Marseille's current exhibitions that are part of Marseille-Provence European Capital of Culture.

(source: [www.worldwatercouncil.org](http://www.worldwatercouncil.org))

### International Water Summit (IWS), Abu Dhabi, United Arab Emirates



The Middle East and North Africa (MENA) region is the most water scarce region in the world: home to 6.3% of the world's population but only 1.4% of the world's renewable

fresh water. The International Water Summit is a new global platform for promoting water sustainability in arid regions.

The International Water Summit, took place 15- 17 January 2013 at ADNEC in Abu Dhabi, and focuses on an opportunity to network and do business with global leaders, municipalities, utilities, contractors, consultants and top decision makers from the public and private sectors within the Middle East and around the globe.

Tom Soo, IWRA Executive Director, provided a keynote presentation: "Classification of Water Resources by Usage to Optimise Allocation and Reduce Wastage".

### Annual meeting of IWRA Japan National Committee

The IWRA Japan Committee 2013 General Meeting was held on February 25, 2013 at the offices of the International Development Institute of Japan. After an opening address by Dr. Mushiake, Chair of Japan committee, the secretary report and the headquarters executive board reports were presented respectively by Mr. Fujiyoshi, Secretary General, and Dr. Takara. Concerning the Toyoko and Hiroshi Hori Education Fund, the committee decided to appoint Dr. Takara as the representative of the IWRA Japan Committee within the

## LATEST ACTIVITIES



Dr. Kaoru Takara

Mr. Kiyofumi Yoshino

Mr. Tetsuya Ikeda

Fund's task force. The task force is responsible for managing the fund and awarding membership grants to qualified persons from developing countries.

Many thanks to the members of the past bureau Dr. Mushiake (Chair), Mr. Motoo Fujiyoshi (Secretary General) and Mr. Takashi Izumiya (Secretary) of the IWRA Japan Committee for their efforts and exceptional work during their mandate. Congratulations to Dr. Kaoru Takara on being elected as the new Chair of the IWRA Japan Committee for 2013-2015; Mr. Kiyofumi Yoshino, President of the International Development Institute (IDI) of Japan on being appointed as Secretary-General of the IWRA Japan Committee; and Mr. Ikeda, IDI Director of Rivers, on being appointed as Secretary.

### New Project Officer at the Executive Office



IWRA is pleased to welcome Mr. Franck Lecoq as the new Project Officer at the IWRA Executive Office. He replaces Mr Pierre Balzergue, who had been working at the Executive Office since 2010.

Franck has a Masters in environmental management, specialising in water resources management and 10 years of professional experience in international project management in the environment sector, communications tools and event organisation. Feel free to contact him at [lecoq@iwra.org](mailto:lecoq@iwra.org)

### IWRA member

#### Slobodan Simonovic is awarded the 2013 American Society of Civil Engineering Ven Te Chow Award:

Slobodan Simonovic, professor in Civil and Environmental Engineering and Director of engineering studies with the Institute for Catastrophic Loss Reduction, the University of Western Ontario, has been selected by the Environmental Water Resources Institute to receive the American Society of Civil Engineers (ASCE) 2013 Ven Te Chow Award for his achievements in the field of hydrologic engineering. Simonovic's research interests focus on the application of systems approach to management of complex water and environmental systems, focusing on the integration of risk, reliability, uncertainty, and optimisation in hydrology and water resources.

With over 30 years of research, teaching and consulting experience in the field of water resources modeling and management, Simonovic is also being recognised for his contributions to climate change-sensitive hydrologic engineering, systems, analysis and soft-computing-based methods in hydrology, and for his extensive service to the profession and education with more than 350 publications and three major textbooks.

Established in 1995, the American Society of Civil Engineers Ven Te Chow Award recognises individuals whose lifetime achievements in the field of hydrologic engineering have been distinguished by exceptional achievement and significant contributions in research, education or practice.

The award will be presented to Simonovic during the World Environmental & Water Resources Congress from May 19-23, 2013, in Cincinnati, OH.

### 5<sup>th</sup> Regional Consultation on Groundwater Governance

The Hague, Netherlands, 19–21 March 2013

Gabriel Eckstein, Professor of Law at Texas Wesleyan University and Treasurer of IWRA, participated as an invited presenter at the 5<sup>th</sup> Regional Consultation on Groundwater Governance: A Global Framework for Action (dedicated to the UNECE region) in The Hague, Netherlands, 19–21 March 2013. Professor Eckstein gave a talk on Groundwater Resources Governance within the Federal System of the United States with a Focus on CERCLA and Superfund. The event was organised by UNESCO's International Hydrological Programme.

For more information, please see: [www.groundwatergovernance.org](http://www.groundwatergovernance.org)

### Hori Fund Grants for Scholars from Developing Countries

The Toyoko and Hiroshi Hori Education Fund provides support for IWRA memberships for promising scholars from developing economies, especially those designated by the OECD as least developed.

Criteria for awardees are that they (a) have a clear financial need; (b) are from OECD Least Developed Countries or regions; (c) are from countries or regions that are significantly underrepresented in IWRA membership; and (d) demonstrate a potential to serve IWRA, in particular to increase membership and activities in their country or region.

Grants for memberships, including subscriptions to Water International, are for one year, renewable up to a maximum of three years.

Current members of the IWRA are invited and encouraged to recommend candidates, using the form available on the IWRA website. Inquiries should be directed to IWRA Executive Director Tom Soo ([soo@iwra.org](mailto:soo@iwra.org)).

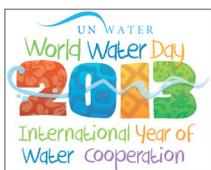
## EVENTS



### International Year of Water Cooperation 2013

In December 2010, the United Nations General Assembly declared 2013 as the United Nations International Year of Water Cooperation (Resolution A/RES/65/154). In reflection of this declaration, the 2013 World Water Day, which takes place on 22 March 2013, also is dedicated to water cooperation. UN-Water has called upon UNESCO to lead the 2013 United Nations International Year on Water Cooperation. As a partner of UN Water, IWRA encourages all members to support this initiative.

The objective of this International Year is to raise awareness, both on the potential for increased cooperation, and on the challenges facing water management in light of the increase in demand for water access, allocation and services. The Year will highlight the history of successful water cooperation initiatives, as well as identify burning issues on water education, water diplomacy, transboundary water management, financing cooperation, national/international legal frameworks, and the linkages with the Millennium Development Goals. It also will provide an opportunity to capitalise on the momentum created at the United Nations Conference on Sustainable Development (Rio+20), and to support the formulation of new objectives that will contribute towards developing water resources that are truly sustainable.



### World Water Day

World Water Day is held annually on 22 March as a means of focusing attention on the importance of freshwater and advocating for the sustainable management of freshwater resources. This year's theme being the "International Year of Water Cooperation".

Information about this day is regularly updated on the official website at:

<http://www.unwater.org/watercooperation2013/>

### 4<sup>th</sup> International Seminar on Public Health Engineering



Sustainable development, contemporary demands, social and environmental responsibility.

Minas Centro - Belo Horizonte – MG – Brazil, March 18<sup>th</sup> to 22<sup>nd</sup>, 2013.

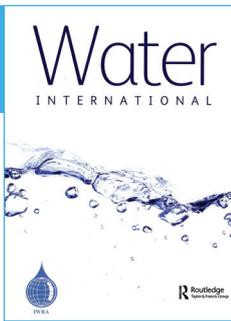
The IV<sup>th</sup> International Seminar On Public Health Engineering is being held in Belo Horizonte - Minas Gerais/Brazil, from March 18<sup>th</sup> to 22<sup>th</sup>. The main theme is Sustainable Development, Contemporary Demands and Environmental Responsibility. This international seminar has been organised by the National Foundation of Health (FUNASA), a federal institution of the Brazilian Government, linked to the Ministry for Health. FUNASA is responsible for promoting public health and social inclusion through sanitation and environmental health.

Different topics related to water and many other environmental issues are to be discussed (sustainable development, contemporary demands, social and environmental responsibility). [www.funasa.gov.br](http://www.funasa.gov.br)

### International Media Conference: blue peace in the Middle East

Istanbul, Turkey, March 18-19, 2013.

Organised during the week of the World Water Day celebrations, this conference brings together many stakeholders (Blue Peace Core Group, policy makers, expert, media) to discuss and debate themes concerning media perspectives on Blue Peace; Experiences from Europe, Africa and Asia on collaborative management of transboundary water resources, regional perspectives on learning from other regions and lessons for the Middle East; and creating a Middle East media network for Blue Peace). IWRA President Dogan Altinbilek and Past President Cecilia Tortajada will be making keynote presentations during the event.



## PUBLICATIONS

### WATER INTERNATIONAL VOLUME 38, ISSUE 1, JANUARY 2013

#### Letter from the president:

*Dogan Altinbilek* - PAGES 1-2

#### Editorial:

*Philippus Wester & James E. Nickum* - PAGES 3-5

#### Miscellany:

- IWRA XIV World Water Congress Keynote Speeches

*James E. Nickum & Philippus Wester* - PAGE 6

- No universal remedies: design for contexts

*Helen Ingram* - PAGES 6-11

- Water-related disaster management and adaptation to climate change: bridges and challenges?

*Guéladio Cissé* - PAGES 11-16

#### Articles:

- The Nile Basin Cooperative Framework Agreement: a peacefully unfolding African spring?

*Salman M.A. Salman* - PAGES 17-29

- International river basin organizations: variation, options and insights

*Jonathan Lautze, Kai Wegerich, Jusipbek Kazbekov & Murat Yakubov* - PAGES 30-42

Using GPS and recall to understand water collection in Kenyan informal settlements

*Ben Crow, James Davies, Susan Paterson & Julio Miles*  
PAGES 43-60

- Regional variability of disinfection by-products in Canadian drinking water

*Shakhawat Chowdhury* - PAGES 61-77

- Water quality assessment at a global scale: a comparison between world regions

*Gabriela da Costa Silva & Monique G. Dubé* - PAGES 78-94

#### Viewpoint:

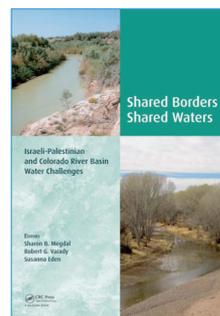
- ABCDE+F: a framework for thinking about water resources management

*Chris Perry* - PAGES 95-107

- In Memoriam: Aly Shady

*Aly Shady* - PAGE 108

## OTHER PUBLICATIONS



### “Shared Borders, Shared Waters: Israeli-Palestinian and Colorado River Basin Water Challenges”

Edited by *Sharon B. Megdal, Robert G. Varady & Susanna Eden*,

The University of Arizona, Tucson, Arizona, USA.

This collection of papers examines water management in two of the world's prominent, arid transbound-

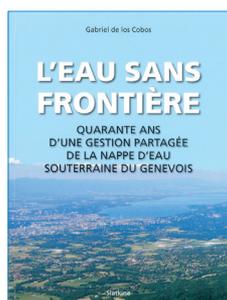
ary areas facing similar challenges. In the Middle East, the chronically water-short Israeli-Palestinian region has recognised the need both to conserve and supplement its traditional water sources. Across the globe on the North American continent, Arizona—a state in the southwestern United States bordering Mexico—relies significantly on the overallocated Colorado River, as well as on non-renewable groundwater supplies. For both regions, sustainable and cost-effective solutions clearly require innovative, multifaceted, and conflict-avoiding approaches.

This volume is predicated on the role that “science diplomacy” can play in resolving difficult water-related issues. The history of natural-resources disputes confirms that the scientific approach can reveal ways to overcome division. Experience has shown that scientifically-trained experts who are sensitive to sociopolitical conditions can assist in developing and evaluating feasible water management solutions.

December 2012, Hardback, 320 pp,

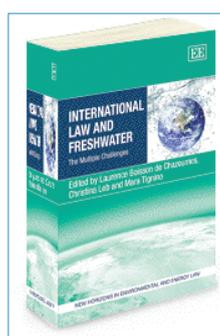
ISBN 978-0-415-66263-5, GBP 63.99 / USD 99.95

To order: <http://www.crcpress.com/9780415662635>



**“L'eau sans frontière, quarante ans d'une gestion partagée de la nappe d'eau souterraine du Genevois”**,  
*Gabriel de los Cobos*, Editions Slatkine, 2012,  
ISBN 978-2-8321-0526-9

The artificial recharge of the transboundary Genevese aquifer has been operating successfully since 1980, thus allowing for groundwater levels that are sufficiently high to compensate for peak flows due to heavy pumping of the water, especially in the summer months when demand is greatest. While the aquifer provides around 20% of the total drinking water supply, for over 30 years the artificial recharge system has made it possible for 450 million metric cubes of water to be used. This system has demonstrated its worth since 1980 and has helped to offset the excessive use of the 1960s and 70s by raising the average levels in the aquifer by more than six or seven meters. While technical and scientific studies were being undertaken to resolve the problem of overexploitation, negotiations were being conducted with various local and national authorities in France in order to establish a joint water management system. An agreement was signed to that effect in 1978 and a revised version was adopted in 2007, attesting to the success of the joint management plan. This French-Swiss Genevese aquifer is a very rare example of bilateral agreement on managing a transboundary aquifer system. The book covers the history of these technical and political challenges. The book is written in French. An English version will be available in the near future.



**“International Law And Freshwater - The Multiple Challenges”**  
*Laurence Boisson de Chazournes, Christina Leb, Mara Tignino*  
Edited by *Laurence Boisson de Chazournes*, Professor of International Law, Faculty of Law, *Christina Leb*, Research Fellow, Platform for International Water Law, Faculty of Law and *Mara Tignino*, Senior Researcher, Platform

for International Water Law, Faculty of Law, University of Geneva, Switzerland

## RECENT ARTICLES BY MEMBERS

*Willaarts, B., M. Ballesteros* and *N. Hernández-Mora* (2013) “Ten years of the Water Framework Directive in Spain: An overview of the ecological and chemical status of surface water bodies”. En: «Towards an Integrated Water Resources Management», VI Botín Foundation Water Workshop. P. Martínez Santos & M. Aldaya (eds.) Taylor & Francis Group. (in press)

*Hernández-Mora, N., L. del Moral, F. La Roca, A. La Calle, y G. Schmidt.* (2013) **Interbasin water transfers in Spain. Interregional conflicts and governance responses.** En: “Globalized water: A question of governance” G. Schneider (ed). Springer. (In press)

*De Stefano, L. y N. Hernández-Mora* (2012) **Water planning and management after the EU Water Framework Directive.** En: «Water, agriculture and the environment in Spain: Can we square the circle?» L. De Stefano y R. Llamas (eds.) CRC Press / Balkema, Taylor & Francis Group, pp: 35-44.

*De Stefano, L., N. Hernández-Mora, E. López Gunn, B. Willarts, P. Zorrilla y R.Llamas.* (2012) **Public participation and transparency in water management.** En: «Water, agriculture and the environment in Spain: Can we square the circle?» L. De Stefano y R. Llamas (eds.) CRC Press / Balkema, Taylor & Francis Group, pp: 217-225.

## IN MEMORIAM: ALY SHADY



Aly Shady, IWRA President from 2004 to 2006, passed away on 27 December 2012, in a hospital in Ottawa, Canada. Prior to his presidency, he was awarded the Ven Te Chow Memorial Lecture in 1993, served as a Vice-President from 1994 to 1997, during which time he chaired the Organising Committee for the IX<sup>th</sup> World Water Congress held in Montreal in 1997, and was appointed a Fellow in 1999. Mr. Shady joined the Canadian International Development Agency (CIDA) in 1979, where he established the Irrigation Sector and became its head in 1988. In that position he implemented nearly 200 assistance projects in more than 40 countries in Latin America and the Caribbean, Africa, Middle East, Eastern Europe and Central Asia. He was one of the founders of the World Water Council and subsequently occupied the positions of Treasurer, Vice President and Governor. Mr. Shady was President of the International Commission on Irrigation and Drainage (ICID) from 1996 through 1999. Under his leadership, ICID refocused to adopt social and environmental concerns in its practices and programs. More recently, he was a co-founder of the Arab Water Council and served as a member of its first Governing Board in 2006. Aly was a man of great talent and broad vision, and was committed to the institutions he led. We are sad to learn of his untimely passing.

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