



# The IANAS Water Program

**Bridging Water Research and Management: Enhancing Water Management Capacity in the Americas**

*International Symposium of the IAP Water Program  
Enhancing Water Management Capacity in a Developing World:  
Science Academies Working Together to Increase Global Access to Water and Sanitation  
São Paulo - Brazil  
25-28 June, 2012*



## Objectives of the Water Program

- Stimulate Academies to establish National Water Committees that will help Academy provide advice to governments and society, thus enhancing their social relevance;
- Prepare publication providing a strategic view on national water resources;
- Implement capacity building activities;
- Discuss new perspectives and innovative solutions for water management;
- Call to the table relevant actors to discuss complementary work;
- Set the stage for the future publicizing and implementation of the recommendations of the IAC Study Panel on Water.



## Focal Points



**Raúl Lopardo (Argentina)**



**Fernando Urquídi (Bolivia)**



**José Tundisi (Brazil)**



**Keith Hipel (Canada)**



**Raymond Reid Phil (CAS)**



**Yarko Niño (Chile)**



**Gabriel Roldán (Colombia)**



**Hugo Hidalgo (Costa Rica)**



**Daniela Mercedes Arellano (Cuba)**



**Osires de León (Dominican Republic)**



**Manuel Bastarrechea (Guatemala)**



**Blanca Jiménez (Mexico)**



**Katherine Vammen (Nicaragua)**



**Julio Kuroiwa (Peru)**



**Henry Vaux (USA)**



**Ernesto González (Venezuela)**

**Co-chairs: José Tundisi (Brazil) and Blanca Jiménez (Mexico)**



## Meetings



**Bogotá, Mar 2005**



**Guarulhos, Jul 2006**



**Santo Domingo, Feb 2008**



**Managua, May 2009**



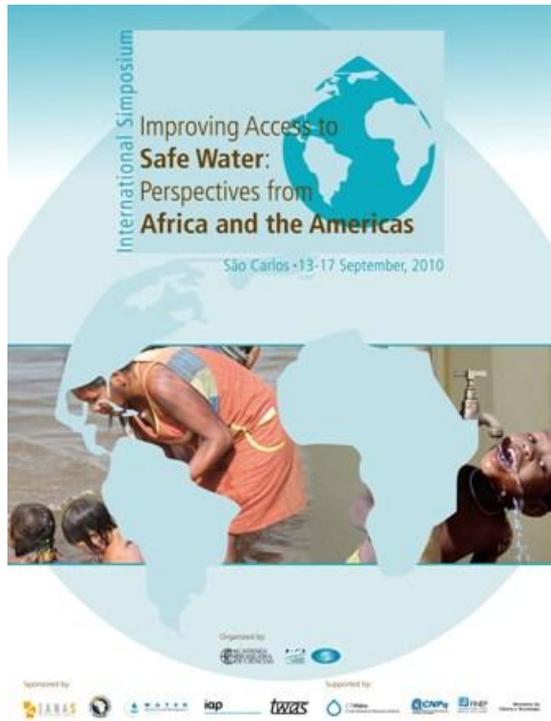
**Buenos Aires, Nov 2010**



**Lake Titicaca, Bolivia, Nov 2011**



## Meetings



## Joint IANAS – NASAC Water Meeting São Carlos, September 2010



Further info on this workshop can be found at:  
<http://nabc.abc.org.br/arquivo/nabcIV123/>



## Meetings



Water for the Americas: Challenges and Opportunities  
Buenos Aires, November 2010



## Capacity Building



**Integrated Water Resources Management in the Americas  
São Carlos, Brazil, August 2008**

**Water managers from 13 Latin American countries participated in a one week training course (conferences, theoretical and practical courses, and study cases).**





## Capacity Building



Focal points from (Brazil, Canada, Colombia, Cuba and Nicaragua) participated in a training course on “Fundamental Topics on Water Management”, which was held in Managua on July 2009, benefiting around 30 water managers from different regions of Nicaragua. The course was also transmitted online and 174 people followed it in the internet. The Vice-Minister of the Environment and Natural Resources of Nicaragua participated both in the course and in the IANAS water meeting. The course was funded by CONICYT, CNU and CIRA/UNAN (Centro para la Investigación en Recursos Acuáticos).

## Capacity Building



### National Workshop on Integrated Management of Neotropical Reservoirs Colombia, October 2011

320 participants (academia, government, environmental organizations, private and public companies) participated in a workshop aimed at the analyses and discussion of the physical-chemical and biological functioning of neotropical reservoirs, the socioeconomic and environmental impacts resulting from the construction of reservoirs, and the technical criteria used to develop and operate reservoirs.





## Capacity Building



El Salvador

- Training courses for water managers were organized in Honduras, El Salvador, Guatemala, Panama and Costa Rica in collaboration with the local chapters of the Global Water Partnership and UNESCO.
- The courses were organized in September and October of 2012, assembling a total of 144 water managers coming from major public and private water and electricity companies. Water authorities from the different levels of government and representatives from several ministries and national secretariats also attended.



Guatemala



Honduras



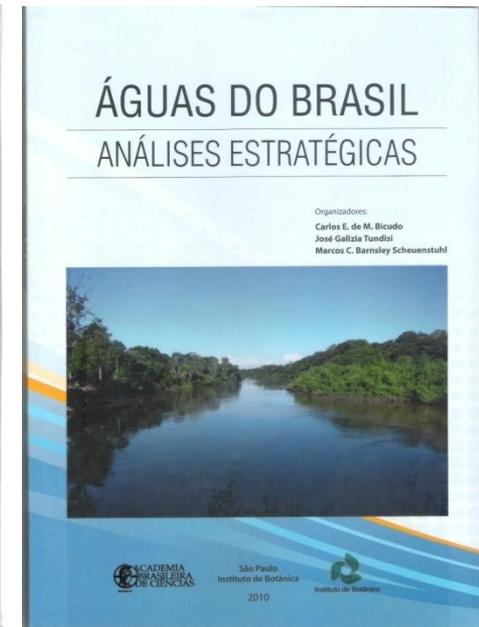
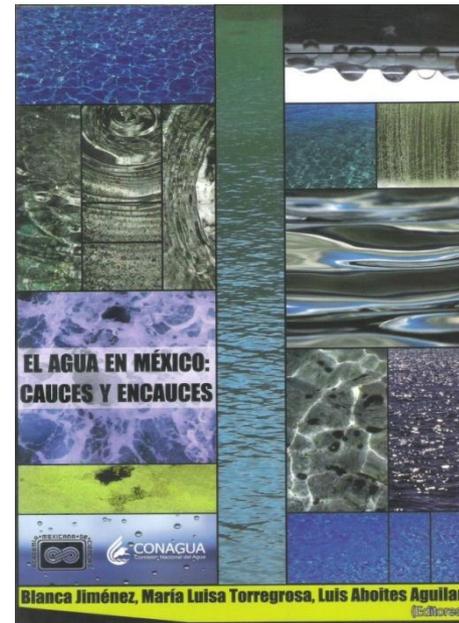
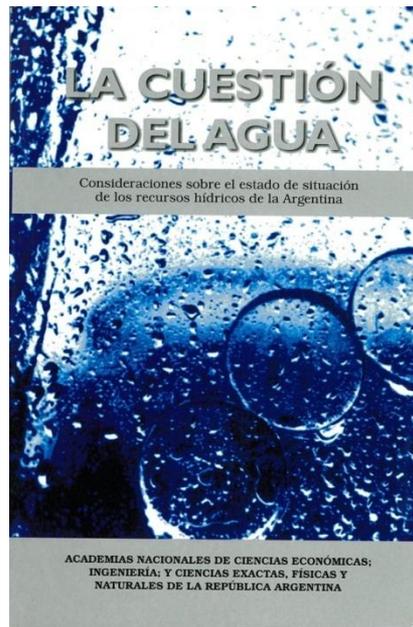
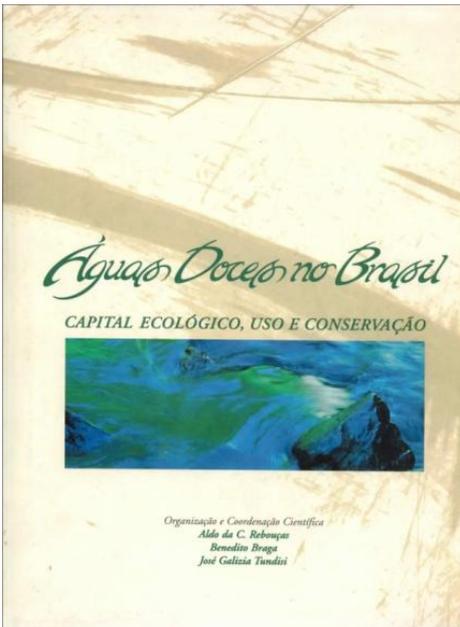
Panama



Costa Rica



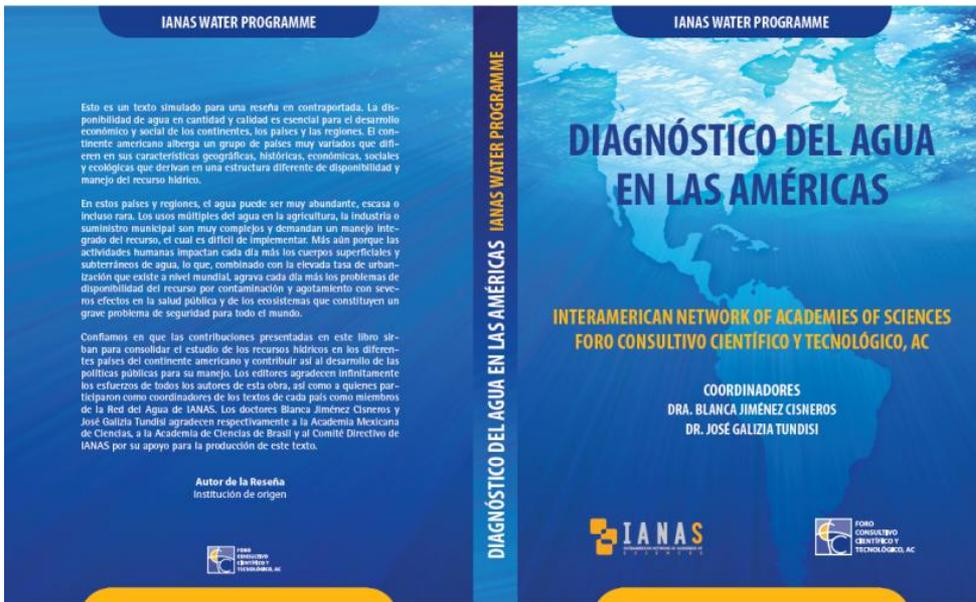
## Publications





## Publications

- A big effort was developed by the national water committees to prepare papers providing an overview of the national water resources, as well as the major water problems and challenges in each of the countries.
- With the generous support of Foro Consultivo (Mexico), these were published as a book entitled "Water Diagnosis in the Americas".
- This book was launched simultaneously in several countries on March 22, 2012 as part of the celebration of the International Water Day.



- The Rosenberg International Forum on Water Policy will also be generating, with the collaboration of IANAS, a publication on the "Lessons from the Rosenberg Forum on Water Management in the Americas", which will be published as a volume by Routledge Press of London, England.





# Activities Proposed for 2012 & General Directions for 2013



## 7<sup>th</sup> Meeting of the National Focal Points of the Program

- The next focal points meeting will further develop the discussion on water management in metropolitan regions, which is a major problem in Latin American countries. The challenge is not only to assure access to water and sanitation to the population living in the cities, but also to those living in peri-urban areas (slums and shantytowns). This next meeting will be held either in Guatemala or Costa Rica and the venue will be decided by the end of January.
- IANAS provides funds for travel assistance for those in need.
- Academies are being stimulated to cover travel expenses.
- Host Academy provides local hospitality.



## Publications

(1) Launch of the English version of the book "Water Diagnosis in the Americas".

- Foro Consultivo is discussing the possibility of supporting the English version.
- Discussions have also been made with the Canadian Academy to appraise the possibility of approaching IDRC or other agencies to apply for support to the English version and other publications of the water program or dissemination tools such as videos. A similar discussion will be made with the NAS.

(2) Based on the presentations made in Bolivia, each national water committee will now work further on the urban water management issue to prepare a paper that will be the basis for the production of a book on "Urban Water in the Americas", which is an extremely important issue for most countries in the region. This publication will address the situation of urban water in the Americas and what will be the situation in 25 years from now if paradigms are not changed. Besides the description of the present situation, the book will indicate future risks, what needs to be done to change this situation, and what will happen if we continue to manage urban waters business as usual.

- A fundraising effort will need to be made to support this publication.

(3) The Rosenberg International Forum on Water Policy will also be generating, with the collaboration of IANAS, a publication on the "Lessons from the Rosenberg Forum on Water Management in the Americas", which will be published as a volume by Routledge Press of London, England.



## Capacity Building

### (1) 2<sup>nd</sup> National Workshop on Integrated Management of Neotropical Reservoirs

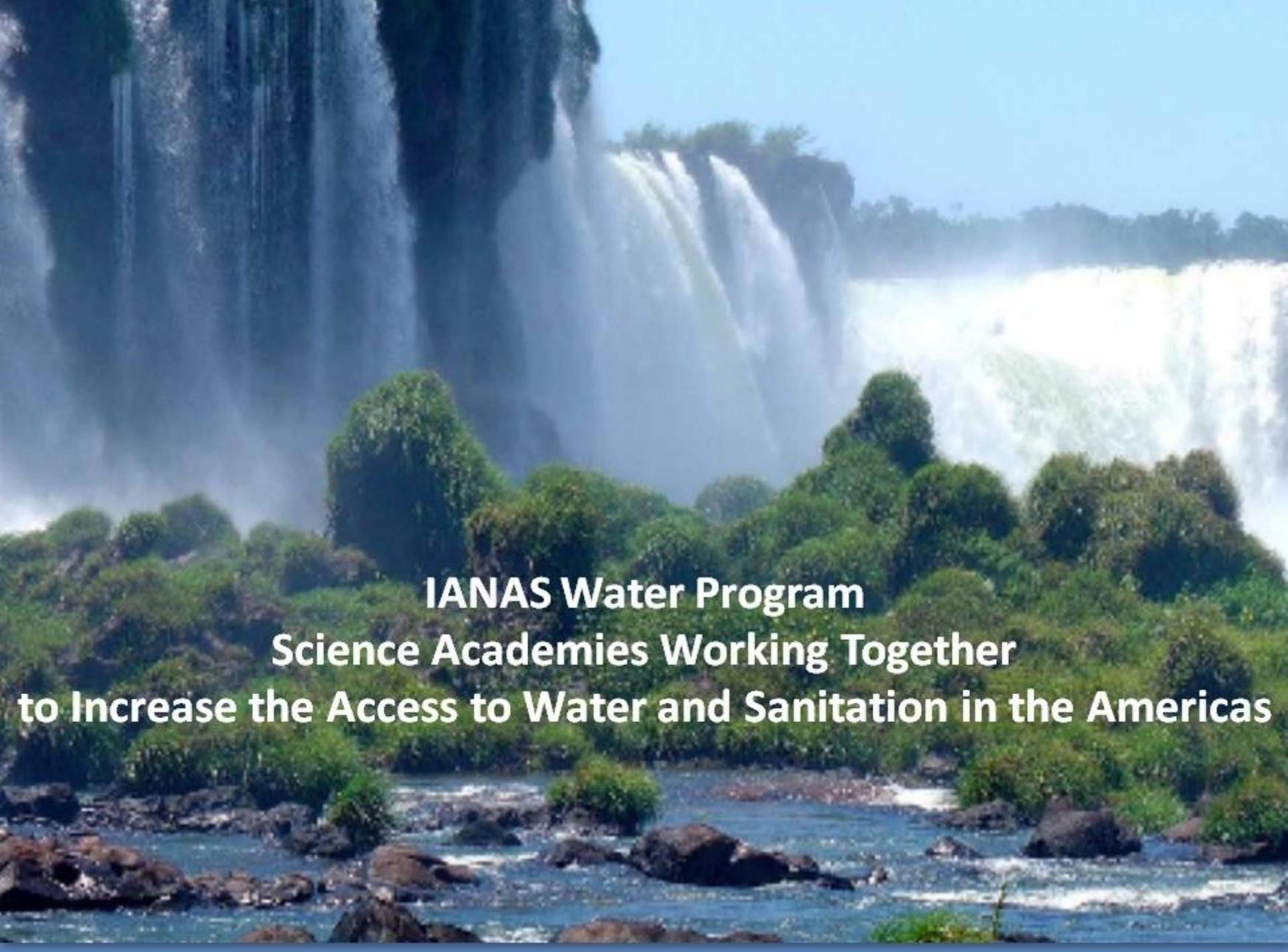
- The Colombian Academy of Sciences is discussing the organization of a second symposium on Integrated Management of Neotropical Reservoirs.
- Funding will come from IASAGEN Energia Productiva and Empresas Públicas de Medellín – EPM.

### (2) Capacity Building Training Course in Nicaragua

- This activity will be held from Jan 30 to Feb 3 at the headquarters of the Centro para la Investigación en Recursos Acuáticos de Nicaragua (CIRA/UNAN) and will assemble water researchers and managers.
- IAP funds are available to support this activity.

### (3) National Water Committees are being stimulated to organize national or sub-regional training courses, where focal points from different countries are mobilized to participate as lecturers.

- Funding will be raised by countries hosting these training courses.



## **IANAS Water Program**

**Science Academies Working Together**

**to Increase the Access to Water and Sanitation in the Americas**