

**Brief Report of the Participation of the IANAS Water Programme in the Symposium: “Compartilhando Aguas: Do Local ao Global” (Sharing Waters: from the Local to Global) in Ipatinga, Minas Gerais, Brasil**

**and Results of Business Meeting of IANAS**

**20 to 21 of February, 2018**

In response to the invitation of the International Hydrological Programme of UNESCO, Regional Office of Science for Latin America and the Caribe, the Water Programme of IANAS formed a team of Focal Points to participate in the International Seminar: “Compartilhando Aguas: Do Local ao Global” with the objective of presenting the topic of Quality of Water: present situation, problems and solutions in the different countries of the Americas.

The Seminar was organized by the Instituto Espinhaço, the Municipality of Ipatinga, the International Hydrological Programme of UNESCO. From the Water Programme of IANAS, 11 countries participated in the event which was part of the sub-regional preparation for the 8th World Water Forum.



Group of participantes from IANAS, UNESCO and Instituto Espinhaco from Ipatinga



## I. Session dedicated to Water Quality in the International Seminar.

There was a special session in the program dedicated especially to water quality in which the Focal Points of the Water Programme of IANAS had the opportunity to present their advances in content of the country chapters in preparation for the publication of the book “Quality of Water in the Americas” due to be published in 2018.

The event was part of the process of preparation for the 8<sup>th</sup> World Water Forum to be held in Brasilia. More details of the objectives of the Seminar can be found

in the following link: [http://www.unesco.org/new/es/office-in-montevideo/about-this-office/single-view/news/international\\_seminary\\_sharing\\_water\\_from\\_local\\_to\\_global/](http://www.unesco.org/new/es/office-in-montevideo/about-this-office/single-view/news/international_seminary_sharing_water_from_local_to_global/)

11 Focal Points participated in the Seminar and 4 Focal Points organized their contributions and were making travel preparations but were canceled a day before the event due to logistical and financial problems of the different host organizations in Ipatinga.

The following table shows the participants from IANAS, Water Programme with the title of their presentations. Also, the following link contains the presentations of the IANAS Focal Points.

<https://www.dropbox.com/sh/8nhevs42ipmjpb/AABzM2HSAE2RRGOebqwB5sjra?dl=0>

Participant Water Quality	Email	Institución	Presentación
Fernando Urquidi	<a href="mailto:ferurquidi@gmail.com">ferurquidi@gmail.com</a>	Academia Nacional de Ciencias de Bolivia	Provisión de Agua Potable de Calidad en el Area Metropolitana de la Paz
Carlos Bicudo	<a href="mailto:tundisi@ie.com.br">tundisi@ie.com.br</a>	Instituto de Botanica, Ecology Department, Sao Paulo	Water Quality in Brazil
Banu Örmeci	<a href="mailto:Banu.Ormeci@carleton.ca">Banu.Ormeci@carleton.ca</a> <a href="mailto:banuormeci@cupnet.carleton.ca">banuormeci@cupnet.carleton.ca</a>	Carleton University, Ottawa, Canada	
Martín Forde	<a href="mailto:martinforde@mac.com">martinforde@mac.com</a>	St. George's University, Grenada	What is the Quality of Water in Grenada???
Pablo Pastén González	<a href="mailto:ppasten@ing.puc.cl">ppasten@ing.puc.cl</a>	Pontificia Universidad Católica de Chile	
Gabriel Roldan	<a href="mailto:groldan@une.net.co">groldan@une.net.co</a>	Academia Colombiana de Ciencias Exactas, Físicas y Naturales	Challenges on the Management of Water Resources in Colombia
Eddy Gómez Ramírez	<a href="mailto:eddy.gomez@ucr.ac.cr">eddy.gomez@ucr.ac.cr</a>	Universidad de Costa Rica, Escuela de Química, Centro de Investigación en Ciencias del Mar y Limnología	Calidad del Agua en Costa Rica
Daniela Mercedes Arellano Acosta	<a href="mailto:marell@ama.cu">marell@ama.cu</a>	Agencia de Medio Ambiente, Ministerio de Ciencia, Cuba	Calidad del Agua en Cuba
Oswaldo Ricardo Izurieta	<a href="mailto:rizuriel@health.usf.edu">rizuriel@health.usf.edu</a>	Department of Global Health, College of Public Health, University of South Florida Universidad San Francisco de Quito, Ecuador Academia de Ciencias de Ecuador	Calidad de Agua en Ecuador
Jufo Quiñonez	<a href="mailto:juloquinonezb@gmail.com">juloquinonezb@gmail.com</a>	Hydrologist, Asociación Mundial para el Agua	State and perspectives of Water Quality in El Salvador
Marco Antonio Blair Chávez	<a href="mailto:thonyblair@yahoo.co.uk">thonyblair@yahoo.co.uk</a>	Academia Nacional de Ciencias de Honduras	Water Quality in the Americas-Country Honduras
Katherine Vammen	<a href="mailto:katherinevammen@yahoo.com.mx">katherinevammen@yahoo.com.mx</a> <a href="mailto:katherine.vammen@uca.edu.ni">katherine.vammen@uca.edu.ni</a>	Universidad Centroamericana, Instituto Interdisciplinario de Ciencias Naturales Co-Chair Programa de Agua de IANAS	1. Introducción: Red Interamericana de las Academias de Ciencias, Programa de Agua, Calidad de Agua en las Americas, 16 paises. 2. Calidad de Agua en Nicaragua
Argentina Ying	<a href="mailto:yingargentina@gmail.com">yingargentina@gmail.com</a>	Universidad de Panama	Calidad de Agua en Panama
Eleuterio Martínez	<a href="mailto:eleuterioporlavida@gmail.com">eleuterioporlavida@gmail.com</a>	Academia de Ciencias de la República Dominicana	El Agua en la Isla de Santo Domingo
Ernesto González	<a href="mailto:ernestogr@gmail.com">ernestogr@gmail.com</a> <a href="mailto:ernesto.gonzalez@ciens.ucv.ve">ernesto.gonzalez@ciens.ucv.ve</a>	Facultad de Ciencias de la Universidad Central de Venezuela	Visión General de la Calidad de las Aguas en Venezuela

- Marked in yellow are the Focal Points who could not arrive in Ipatinga. There were also efforts to have the presentations per Skype but the wifi conditions and sound did not allow the good quality comprehension and therefore were canceled.

The Director of Projects of the Academy of Science of Brazil also participated in the event.

## **II. The Agenda of the meeting of IANAS-UNESCO and brief results**

11 Focal Points of the Water Programme of IANAS participated in the meeting and we had the opportunity to invite authorities of UNESCO, present in the seminar. The agenda with brief results follow:

### **1. Proposal for the Capacity Building Programme of the Water Programme of IANAS - Ernesto González**

To advance in the design of a new capacity building program for the water programme of IANAS, Dr. Ernesto Gonzalez was asked to prepare a proposal which he presented in the meeting. This proposal should be the base of the further development of capacity building endeavors which should be finalized for presentation in the IANAS Water Programme meeting in October 2018 in Panama. The proposal has been attached as an annex to the report. It was agreed to continue working on the proposal by further interchange.

### **2. Progress on the future publication on Water Quality- KVammen**

Progress on the publication of the country chapters and special introduction chapters was reported. The book is planned to be a collaborative effort with the International Hydrological Programme, Regional Office for Latin America and the Caribbean.

The following timetable was proposed by the Co-Chair of the Water Programme to achieve the publication:

- March-April: Beginning of internal IANAS peer review for the submitted chapters.
- May-June: Process of correction, translation and layout.
- July: Presentation to Publication Board of UNESCO.
- September: Printing of the English version and finalizing of digital version in Spanish.
- October, November - Public presentation.

### **3. Progress on book of Summaries of Urban Waters for Decisionmakers KVammen**

Most focal points have submitted their summary for the new version of Urban Waters directed to Decisionmakers; therefore, it is expected that the process of correction, translation and lay out will begin in the month of March to reach the goal of publication of the digital version for the "international day of water" on the 22<sup>nd</sup> of March.

#### **4. Meeting of the IANAS Water Program for October in Panama before the Open Science Forum for Latin America and the Caribbean (CILAC) - KVammen**

The Co-Chair informed the participants about the submission of an application to prepare a special session in CILAC titled "Urban Waters: Challenges and Opportunities for Sustainable Cities. An interface where Science and Policy Meet". This Forum will take place on the 22 to 24 of October in Panama City. This special session has been proposed to be scheduled for the first day of CILAC, 22 of October which is dedicated to Sustainable Cities; it will also be an occasion to present the new publication of Summaries of Urban Waters for Decisionmakers.

The Executive Director of IANAS has requested the sponsoring of APANAS (Asociación Panameña para el Avance de la Ciencia) in order to conduct the meeting at this time in Panama. This Request has been approved by APANAS. The Executive Director of IANAS has proposed the following time table for the IANAS meeting and participation in CILAC.

19. October: travel to Panama for Focal Points.
20. October: meeting of IANAS (participation of all focal points)
21. October: meeting of IANAS until noon time (participation of all focal points)
22. October: special session of urban Waters IANAS in CILAC (to be determined the team of participants of focal points according to the approbation of CILAC)
23. October: return of focal points.

Important Note: The Focal Point of Panama has successfully planned the organization of a Workshop on "Eutrofización de Embalses. Fuentes de contaminación y propuesta de manejo" (Eutrophication of Reservoirs. Sources of contamination and proposal for management) which will be carried out from 15. to 19. of October in Panama with the participation of Focal Points of the Water Programme of IANAS from Panama, Colombia Guatemala and Venezuela. This workshop was the initiative of the Focal Point of Panama, Dr. José Fábrega and was approved for financial support from SENACYT.

#### **5. Publication of "Water Challenges and Solutions for the Caribbean"- Martin Forde**

The publication of the Caribbean Water Book (proposal of content, time table and methodology) was presented in a special session in the meeting of the Nacional Committees and Focal Points of the International Hydrological Programme of IANAS (PHI-LAC) from the 18<sup>th</sup> to 20<sup>th</sup> of September in the Bahamas with the participation of 9 Caribbean countries. 7 countries have responded positively and have formed expert groups to work on their country publication (Aruba, Cuba, Grenada, Guyana, Haití,

Jamaica, Trinidad & Tobago). Antigua & Barbuda, Bahamas, Barbados, Dominican Republic have been contacted and their response is still pending. It was agreed that the Regional Office of Science for Latin America and the Caribe would contact the remaining countries in order to assure more participation in the publication. It is to be noted that 2 countries, Cuban and Aruba, have submitted their first draft of their country chapter.

#### **6. Participation in the World Water Forum (WWF) in Brazil - Marcos Cortesão**

The Academy of Science of Brazil requested a special session for the Water Programme of IANAS at the World Water Forum in Brazil. This special session on Urban Waters was approved for 21st of March. Focal Points from Brazil, Nicaragua, Venezuela and Peru along with the Director of the International Hydrological Programme of UNESCO will prepare and participate in the session.

#### **7. Cooperation of IANAS-UNESCO - Kvammen (IANAS), Solidad Benitez (UNESCO)**

There are several activities of cooperation between IANAS-UNESCO underway at this time to mention the book of water quality in the Americas, book on Caribbean Waters and the event in Ipatinga.

#### **8. Participation of Focal Points of the Water Program in the new publication of IANAS "Food Security and Nutrition". KVammen**

Some focal points of the water programme also participated in the newly published book of IANAS on Food Security and Nutrition specifically on the relation between resources and food security in the individual country chapters and in the overall summary of the book. <http://www.ianas.org/index.php/programs/food-and-nutrition-security>