

DOCUMENTS ON THE EVENTS ORGANIZED BY THE ACADEMICIAN PROF. M. R. LLAMAS, AS DIRECTOR OF WATER OBSERVATORY OF THE M. BOTIN FOUNDATION IN THE 5 WORLD WATER FORUM (ISTANBUL 16-23 MARCH. 2009)

1. Media press release

The MARCELINO BOTIN FOUNDATION has created a WATER OBSERVATORY as part of its well established Trends Analysis Observatory. The Water Observatory is located at the Complutense University, in Madrid (UCM), who signed an agreement with the Marcelino Botin Foundation in September 2008 for a four year period.

This WATER OBSERVATORY represents the creation of an interdisciplinary think tank to address global water issues. The Director of this think tank is Professor Llamas, Emeritus Professor at the UCM and a member of the Spanish Royal Academy of Sciences. The Observatory's Deputy Director is Prof Alberto Garrido, from the Agricultural Economics Department at the Technical University of Madrid. The think tank also includes full time Dr Elena Lopez-Gunn, from the London School of Economics, an expert on water governance and institutional analysis. The think tank also has the collaboration of Dra Maite M. Aldaya, an ecologist and expert in economic and ecological water footprint analysis. Dr M. Aldaya is currently working at the University of Twente (Holland).

This WATER OBSERVATORY has its history in a series of research projects undertaken by the MARCELINO BOTIN FOUNDATION under the direction of Professor Ramon Llamas over the last 10 years. These activities have resulted in the publication of more than 10 books and 20 working papers. The last book WATER AND ETHICS published by Taylor and Francis will be presented at a side event during the 5th WORLD WATER FORUM at Istanbul.

At the 5th World Water Forum the four members of the Observatory will present their research and lead two additional side events on the Water Footprint and the Silent Revolution of Intensive Groundwater Use.

Next September, the Water Observatory will host in Santander the 4th BOTIN FOUNDATION WATER WORKSHOP, which will gather twenty world experts to discuss and debate on the topic RE-THINKING WATER AND FOOD SECURITY.

2. Summary Events hosted by the Water Observatory at the 5th World Water Forum Istanbul 17 to 22nd March 2009

EVENT		REF	DATE	Link to doc
Accompanying Report WWAP-3 Theme Session		Side panel on publications	18 th March 2009	Pdf 0
3.4.1. Groundwater		Session 3.4.1.	20 March 2009	pdf 1
SIDE EVENTS	WATER FOOTPRINT	SE 121	18 th March 2009	link
	WATER AND ETHICS	SE096.a	20 TH March	link
	GROUNDWATER	SE096.b	20 th March	link
	SILENT REVOLUTION			

3. Side-event about WATER ETHICS

Summary: PRESENTATION OF THE FMB BOOK 'WATER AND ETHICS'

The Botin Foundation Water Observatory, together with UNESCO-IAH, hosted a side event on 20th March. The side event presented a FMB book published by Taylor and Francis on *Water Ethics* (Edited by M R Llamas, Luis Martinez Cortina and Aditi Mukherji).

The side event was convened by Professor Ramon Llamas (FMB and Spanish Royal Academy of Sciences). The side event consisted of a series of presentations from the authors of the chapters in this book, and which included: Alice Aureli (UNESCO-IAH); Janos Bogardi (UN University); W. Cosgrove (Content Coordinator WWDR3); Magdy Hefni (Ambassador, Egypt); Luis Veiga da Cunha (Universidade Nova de Lisboa,); Donal O'Leary (Transparency International); Dipak Gyawali (Former Minister Water Resources, Nepal); Jack Moss (Aqua Fed); K. Villholth (GEUS); Aditi Mukherji (IWMI, Sri Lanka).

Contact Person: Ramon Llamas (rllamas@geo.ucm.es) (Director, FMB-OBS)

Programme

Final Program

Presentations	Title Presentation	Name	Affiliation and Institution
Pdf 2	Introduction: social and environmental ethics	Ramon Llamas	Director, Marcelino Botin Water Observatory, (FMB-OBS) Complutense University, Madrid
Pdf 3	UNESCO and COMEST	Alice Aureli	UNESCO-International Hydrological Programme
Not available	Water disasters and ethics	Janos Bogardi	Director, United Nations University, Institute for Environment and Human Security, UN Campus, Germany.
Pdf 4	Public Participation for a National Water Strategy	William Cosgrove	Content Coordinator WWDR3, Former President World Water Council, current President Ecoconsult Inc.
Pdf 5	Water management ethics in the framework of environmental and general ethics: The case of Islamic water ethics	Magdy Hefni	Ambassador, Director of the Center of Research and Studies of Water Use ethics, Ministry of Water Resources and Irrigation, Egypt.
Pdf 6	Water: A human right or an economic resource?	Luis Veiga da Cunha	Professor, Universidade Nova de Lisboa, Lisbon, Portugal
Pdf 7	Water and Corruption: How we can Tackle it at the Country Level	Donal O'Leary,	Sr. Advisor, Transparency International, Berlin, Germany.
Not available	Water and conflict: Whose ethics is to prevail?	Dipak Gyawali	Former Minister for Water Resources, Nepal
Pdf 9	Water ethics and business	Jack Moss	Senior Water Advisor, Aqua Fed – The International Federation of Private Water Operators
Pdf 10	Water and ethics in food production and provision—How to ensure water and food security and equity into the 21st century?	Karen G. Villholth	Senior Researcher, GEUS (Geological Survey of Denmark and Greenland), Department of Hydrology
Pdf 11	Economics, ethics and politics of groundwater: Evidence from West Bengal, India	Aditi Mukherji	IWMI, Sri Lanka

4. Side-event on the WATER FOOTPRINT

Summary: Water Footprint and Virtual Water Trade: Do These Concepts Promote Sustainable Use of Water Globally?

The FM Botin Water Observatory, together with the Technical University of Madrid (UPM, Spain) and the University of Twente, hosted a side event on 18th March. The side event focused on *The Water Footprint and Virtual Water trade: do these concepts promote the sustainable use of water globally?*

The side event was convened by Dr Alberto Garrido (alberto.garrido@upm.es) (UPM) and Dr Maite Martinez Aldaya (Univ. Twente) (m. The side event consisted of a series of presentations by experts, followed by a panel discussion. The presentations will be made available at the CEIGRAM (UPM) website. Experts presenting were: M. Llamas (FMB Water Observatory); Arjen Y. Hoekstra (Univ. Twente); D. Zimmer (World Water Council); Maite M. Aldaya (Twente Water Centre); Teresa Elola (Liege University (Belgium); A. Sridhar, P. Novo and E. Lopez-Gunn (LSE , UPM and FMB); A. Garrido (UPM/ FMB Water Observatory).

Contact Person: Alberto Garrido (alberto.garrido@upm.es) (Deputy Director, Botin Foundation/ Associate Professor, Technical University of Madrid)

Programme

Presentation	Title Presentation	Name	Affiliation and Institution
Pdf 12	Introduction: challenging the conventional paradigm of water scarcity through the water footprint	M.Ramón Llamas	Director, Water Observatory Fundacion M. Botin - Complutense University (FMB-OBS)
Pdf 13	Globalisation of water	Arjen Y. Hoekstra	Scientific Director of Water Footprint Network, Twente Water Centre, University of Twente (Holland)
Not available	Back to basics: How water footprints help us reconsider the way we look at water resources	Daniel Zimmer	World Water Council
Pdf 15	Practical application: Guadiana river basin water footprint (Spain)	Maite M. Aldaya	Twente Water Centre, University of Twente (Holland)
Pdf 16	The implementation of virtual water trade within the European water policy: a legal and political approach	Teresa Elola	Liege University (Belgium)
Pdf 17	Virtually meaningful or virtually meaningless? Boundaries to the water footprint	Aparna Sridhar, Paula Novo and Elena Lopez-Gunn	London School of Economics, (UK) Technical University of Madrid and FMB Water Observatory (Spain)
Pdf 18	Water footprint: policy implications for arid and semi-arid countries (Spain)	Alberto Garrido	Technical University of Madrid and FMB Water Observatory (Spain)

5. Side-event on the Role of groundwater silent revolution

Summary THE ROLE OF THE GROUNDWATER SILENT REVOLUTION: “MORE CASH AND NATURE PER DROP *Re-thinking global water scarcity and security*

The London School of Economics, together with the collaboration of IUCN (Katherine Cross) and the Botin Foundation Water Observatory hosted a side event on 20th March. The side event focused on THE ROLE OF THE GROUNDWATER SILENT REVOLUTION: “MORE CASH AND NATURE PER DROP: *Re-thinking global water scarcity and security*.

The side event was convened by Dr Elena Lopez-Gunn (E.lopez-gunn@lse.ac.uk) (Alcoa Research Fellow, LSE and Senior Research Fellow, Botin Foundation); Katherine Cross (IUCN) and Professor Ramon Llamas (FMB and Spanish Royal Academy of Sciences). The side event consisted of a series of presentations by experts on groundwater management, followed by a panel discussion. The presentations will be made available at the Botin Foundation Water Observatory website.

Contact Person: Elena Lopez-Gunn Elena Lopez-Gunn (E.lopez-gunn@lse.ac.uk) (Alcoa Research Fellow, LSE and Senior Research Fellow, Botin Foundation)

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Final Program

PRESENTATION	Title Presentation	Name	Affiliation and Institution
Pdf 19	Introduction: is groundwater a blessing or a curse?	Elena Lopez-Gunn	Water Observatory (FMB) and London School of Economics, UK
Pdf 20	Groundwater silent revolution: the role of groundwater in changing paradigms in water and food scarcity	Ramón Llamas	Water Observatory Fundacion M. Botin - Complutense University (UCM), Madrid, Spain
Not available	How sustainable is ground water use in the Middle East?	Peter Laban	IUCN, Switzerland and REWARD, Middle East
Pdf 21	UNESCO's work in transboundary aquifers	Alice Aureli	UNESCO-IAH, Paris, France
Not available	Groundwater economics	Consuelo Varela	Universidad Politecnica de Madrid
Pdf 22	Nonrenewable groundwater management	Michael E. Campana	Oregon State University and National Ground Water Association, USA
Pdf 23	Groundwater in the analysis of the water footprint	Maite M. Aldaya	Univ. of Twente, Holland and FMB Water Observatory
Pdf 24	Intensive Groundwater use: Silent revolution. Some comments and additional views	Peter Letitre	IGRAC, Holland
Pdf 25	The role of Earth Observation and participatory GIS in groundwater management and monitoring	Alfonso Calera Belmonte	Regional Development Institute, Remote Sensing and GIS, Universidad de Castilla La Mancha, Spain
Pdf 26	Groundwater management in Africa: the Pangani Basin Case study/Experience	Hamza Sadiki	Pangani Basin Water Officer, Pangani Basin Water Office, Tanzania
Pdf 27	Groundwater management and the role of WUAs in northern China Experiences from WRDMAP Project	Catherine Watts and Simon Howarth	DFID/Mott MacDonald, UK