



EUROPEAN COMMISSION
DIRECTORATE-GENERAL ENVIRONMENT
Directorate C - Quality of Life, Water & Air
ENV.C.1 - Water



f SéNeCa⁽⁺⁾
Agencia de Ciencia y Tecnología
Región de Murcia

International Meeting: Improving water accounting at the basin scale

Agenda

Date: 23-24th February 2015

Venue: Department of Civil Engineering, Meeting Room D-19, first floor,
ETSINO Building (Annex), Universidad Politécnica de Cartagena,
Paseo Alfonso XIII 52, Cartagena, Spain

Coordinator

Dra. Sandra G. García Galiano. R&D Group of Water Resources Management. Universidad Politécnica de Cartagena, UPCT, Spain <http://www.upct.es/~agua> ; sandra.garcia@upct.es

Organizing Committee

Dra. Sandra G. García Galiano. Director of R&D Group of Water Resources Management, UPCT.
Johannes Hunink. Gerente, FutureWater, Spain

Scientific Committee

Dr. Alain Baille. Full Professor. Universidad Politécnica de Cartagena, Spain
Dra. Sandra G. García Galiano. Associate Professor. Universidad Politécnica de Cartagena, Spain
Dr. Sergio Contreras. FutureWater, Spain
Dr. Peter Droogers. FutureWater, Netherlands



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Introduction and Objectives

Policies for the sustainable management of water resources are a priority in the European and national agendas. Current goals at European level are oriented to improving knowledge about the reference situation in terms of water availability and demand. Therefore, it is especially relevant to obtain, evaluate and standardize detailed information at river basin, to analyze and demonstrate the potential of economic, technological and management measures to mitigate situations of water scarcity and drought.

One of the main tools for this purpose is the System of Environmental and Economic Accounting for Water (SEEA) developed by experts of the United Nations. The European Commission is currently evaluating the use of this framework at the river basin scale by means of various pilot projects in Europe. The goal is to improve the information on the physical water balances, water uses and supplies and economic accounts by using local data and study their usefulness river basin planning.

The International Scientific Meeting on Water Accounting at the basin scale should become a forum for discussion on the use of these methodologies and their usefulness to support the national and European policy agendas, and should enhance international collaboration in research on integrated water resources management.

Key issues to be discussed

The following main challenges in the use and implementation of a water accounting framework at the basin scale will be discussed during the meeting:

- (i) How to identify and select the most relevant data for water availability and demands?
- (ii) Innovative methodologies to close and verify the water balance and increase accuracy,
- (iii) How to integrate water accounting in the river basin management planning, demonstrating the benefits of its use in local planning?
- (iv) The usefulness for the evaluation of measures, both management, technological and economic measures, to reduce water shortage in the basin and its vulnerability to drought, and
- (v) Water accounting to assess the vulnerability of the basin to future changes (climate, economic and demographic change).

This scientific meeting will improve the knowledge on benefits and difficulties in the application of water accounting systems at the catchment scale, and reinforce academic, scientific and professional ties. Results from five projects funded by European Commission, Directorate-General Environment (EC-DG ENV). ENV.D.1 - Protection of Water Resources, under the Call Desertification 2012-2013. Halting Desertification in Europe, will be presented. The methodologies applied in the water accounting at basin scale in the Segura, Guadalquivir, Guadiana, Duero and Arno Rivers, will be discussed.



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Monday 23th February

Morning Session

09:30-10:00 *Welcome. Introduction to the International Meeting. Round table.*

Dra. Sandra G. García Galiano

*R&D Group of Water Resources Management, Department of Civil Engineering,
Universidad Politécnica de Cartagena*

Dr. Antonio Tomás Espín

Head of Department of Civil Engineering, Universidad Politécnica de Cartagena

Moderator: Johannes Hunink, FutureWater, Cartagena, Spain

10:00-11:00 h *The European Guidelines for Water Balance and the Spanish Water Planning*

Concepción Marcuello Olona

*Deputy of Water Planning and Sustainable Use of Water, Ministry of Agriculture, Food and
Environment, Spain*

11:00-11:30 Coffee Break

11:30-12:30 h *Water Accounting: From Data to Actions*

Dr. Peter Droogers

FutureWater, Wageningen, The Netherlands

12:30-12:50 *Tools for the water accounting in the Segura River Basin: The ASSET Project*

**Dra. Sandra G. García Galiano, Dr. Alain Baille, Dr. Francisco Alcón Provencio, José Angel
Martínez Pérez, Patricia Olmos Giménez**

Universidad Politécnica de Cartagena, Spain

12:50-13:10 h *Integration of ASSET's preliminary results into the River Basin planning process*

Jaime L. Fraile Jiménez de Muñana

Confederación Hidrográfica del Segura, Ministry of Agriculture, Food and Environment, Spain

13:10-13:30 *The interactions between the physical use and supply of water using the SEEAW
framework: Results from the Segura River Basin*

Dr. Sergio Contreras

FutureWater, Cartagena, Spain

13:30-15:00 h *Break for lunch. Venue: Tasca del Tío Andrés, Paseo Alfonso XIII, 46.*



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Afternoon Session

15:00-16:00 h *GUASEEAW+: System of Environmental and Economic Accounting for Water in Guadiana River Basin*

Dr. Salomón Montesinos
GEODIM S.L., Spain

16:00 -17:00 h *System of Water Accounting in Guadalquivir River Basin (SYWAG).*

Dr. Julio Berbel and Mar Borrego Marín
Universidad de Córdoba, Spain

Closing of day: Conclusions

Tuesday 24th February

Morning Session

Moderator: Dr. Sandra G. García Galiano UPCT

09:00 -09:30 h *The Water Footprint in the South East of Spain*

Dr. José Miguel Martínez Paz¹ and Dr. Francisco Pellicer²

¹Universidad de Murcia, IUAMA, Murcia, Spain; ²UCAM, Murcia, Spain

09:30 -10:30 h *Application of Water Accounting Methodology to the DUERO/DOURO Basin (DURERO).*

Dr. Leonor Rodríguez
Universidad Politécnica de Madrid, Spain

10:30-11:00 Coffee Break

11:00-11:30 h *SEEA-Water methodology in the Arno River basin*

Dr. Stefano Mariani¹ and Lucia Fiumi²

¹ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale, Italy

²Area Sistemi Tecnologici, Innovazione e Relazioni Internazionali Autorità di Bacino del Fiume Arno, Italy

11:30 -12:30 h *Discussion and Main Conclusions*

12:30 - Closing of the International Meeting



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Additional Information:

Travel Information:

How to get to Cartagena:

By train: (www.renfe.com)

By bus: (www.alsa.es)

By car:

Starting from Madrid you have to take the road A-30 in the direction of Cartagena.

Starting from the south you have to take the motorway N-340. Once you get to Almería you have to change to the highway A-7.

Starting from the east you have to take the highway Mediterráneo (A-7)

Starting from the west you have to take highway A-91 in the direction of Granada.

By airplane:

There are two airports close by:

The **Airport of San Javier** is the closest airport. It is located approximately 32KM (20 miles) away from Cartagena.

If you arrive at the **Airport of Alicante** you need approximately 1,5 hours to get to Cartagena.



Tourist Information Office of Cartagena:

http://murciatoday.com/tourist-information-office-cartagena-spain_3205-a.html#.VN4W_k10xmM

More information Web page ASSET Project: <http://assetwater.eu/>



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