



## INTERNATIONAL TRAINING IN APPLIED METHODS FOR WATER FOOTPRINT ASSESSMENT: ISO14046 AND WFN APPROACHES

---

Madrid, February 5-6, 2015

**Fundación Botín, Castelló 18, Madrid, Spain**

### Background

Knowledge dissemination on Water Footprint Assessment (WFA) through delivering training courses worldwide on the global standard for WFA is a core part of WFN's capacity building programme. The WFN and the Botín Foundation (Spain) co-organize a practical course on the application of the WFA from the perspective of the private sector, including the ISO 14046 standard and its relation to the WFA. The Fundación Premio Arce (of Universidad Politécnica de Madrid) has co-organised previous courses on water footprint in 2011 and 2013 partnering with WFN and Botín Foundation.

The course is tailored towards the application of the Water Footprint Assessment from the perspective of the private sector, including specific sessions on the ISO 14046 norm and its relation to the Water Footprint Assessment. The course presents the application of the WFA as a tool for corporate water management and stewardship. It introduces the participants to the design and execution of their own WFA, including all four phases of the assessment from goal and scope definition to accounting, sustainability assessment and response formulation phase.

### Course details

The course covers all aspects of the Water Footprint Assessment and its application. It is delivered in the form of presentations [lectures] with hands-on exercises and case studies. It has enough technical depth to allow practitioners to understand a full WFA, and at the same time it covers most up to date research knowledge in this field. The duration of the course is 2 full-days [Agenda attached].

## **Number of participants**

The course is open to 25 participants.

## **Course fees**

The fees charged to participants will be 600€ for the whole course, including course materials, lunch and coffee breaks. Four course reduced fees of 100€ will be offered to students and unemployed persons, as well as for two or three persons coming from the same organization, 500 and 400€ respectively. WFN and the BF will deliver the training and issue trainee certificates after successful completion of the full course.

## **Schedule**

1st week of February 2015: Thursday 5th– Friday 6thFebruary. Total course duration will be 15 hours, including a minimum 11 of formal teaching, lectures and case studies.

## **Registration**

Registration is open until the course fills up. Applicants must write an email to Katerina Kucerova (katerina.kucerova@upm.es, +34 914524815). She will provide applicants with all details.

## **Coordination**

The course is coordinated by Alberto Garrido (CEIGRAM-UPM-FMB), Maite M. Aldaya (UCM-FMB-UNEP), and Ruth Matthews (WFN) and Daniel Chico (WFN).

## Programme

Day 1. February 5, 2015

08:45-9:00	Arrival and registration	
09:00-9:30	<b>Introduction:</b> <ul style="list-style-type: none"><li>- Course objectives and the structure of the course</li><li>- Expectation exchange among participants</li><li>- Introduction to the Botín foundation and Water Footprint Network</li></ul>	Javier García Cañete Team of instructors
9:30-11:00	<b>Water Footprint Assessment (WFA), Rationale, methods and applications</b> <ul style="list-style-type: none"><li>- Introduction to the Water Footprint, its history, development and uses</li><li>- Concepts</li><li>- Water Footprint Assessment and its applications</li></ul>	WFN (Gouping, Chico)
11:00-11:15	Break Tea - Coffee	
11:15-13:30	<b>Water Footprint Accounting Theory</b> <ul style="list-style-type: none"><li>- Accounting for green, blue and grey water footprint</li><li>- Water footprint accounting exercise</li><li>- Concept of product fraction and value fraction</li><li>- Water footprint of a product exercise</li></ul>	WFN (Gouping, Chico)
13:30-14:30	Lunch	
14:30-15:30	<b>Introduction to ISO</b> ISO as an environmental impact assessment tool to complement sustainability assessment	BF (A Garrido)
15:30-16:30	<b>Sustainability Assessment Theory</b> <ul style="list-style-type: none"><li>- Understanding the local context</li><li>- Sustainability criteria and hotspot identification</li><li>- Sustainability assessment with respect to green, blue &amp; grey water footprints</li></ul>	WFN (Gouping, Chico)
16:30-16:45	Coffee	
16:45-17:15	<b>Case study summary</b> Summary and analysis of the case studies available, gaps and opportunities, in Spain and beyond	Maite Aldaya, BF
17:15-17:45	<b>How to address the water footprint verification</b>	Antonio Carretero, AENOR
17:45-18:00	Day Wrap-up	

Day 2. February 6, 2015

09:00-9:30	<b>Opening session</b> - Review of day's agenda - Questions or insights from Day 1	BF+WFN
09:30-10:15	<b>Specific challenges for WFA of Agricultural and Food Products</b> The notion of evapotranspiration, irrigation efficiency and crops' water demand and management	BF (to be determined)
10:15-10:45	<b>Water footprint linkages with geographical areas</b> The case of Cantabria	P. Martínez-Santos, BF
10:45-11:15	<b>Tea-Coffee</b>	
11:15-12:15	<b>Developing a project of WF with a view to obtain WFA and ISO 14046 certification</b> Presentation of on-going project towards discussion options, obstacles and ways forward	WFN (Gouping, Chico)
12:15-13:15	<b>Response Formulation Theory</b> - Prioritization based on sustainability assessment - Identifying response strategies - Scope/role of governments, companies, investors, farmers and consumers	WFN (Gouping, Chico)
13:15-14:15	<b>Lunch</b>	
14:15-15:45	<b>Sustainability Assessment and Response formulation Exercise</b> - Evaluation of Sustainability hotspots. - Corporate water footprint exercise – part I - Identification of priority basins - Response formulation design. Corporate water footprint exercise – part II	WFN (Gouping, Chico)
15:45-16:30	<b>WFA Case Study if sugar from sugarcane in a beverage company</b> Case study	WFN (Gouping, Chico)
16:30-16:50	<b>Tea-Coffee</b>	
16:50-17:45	<b>Challenges and the way forward</b> - Panel discussion with instructors, including questions from participants	Maite Aldaya, BF+WFN
17:50-18:00	<b>Wrapping-up (questions &amp; answers)</b>	BF+WFN

## **Instructors and Organizers**

Javier García Cañete

Director of Trends of Observatory of the Botín Foundation

Maite M. Aldaya

Water Observatory, Botín Foundation and consultant, United Nations Environment Programme

Alberto Garrido

Water Observatory, Botín Foundation and Professor of Agricultural and Natural Resource Economics (Universidad Politécnica de Madrid) and Researcher at CEIGRAM (UPM)

Pedro Martínez-Santos

Water Observatory, Botín Foundation and Tenure Lecturer at the Complutense University of Madrid

Daniel Chico

Project Officer, Water Footprint Network

Guoping Zhang

Programme Director, Water Footprint Network

Antonio Carretero

Environmental Manager, AENOR