

Efficiency-oriented water management

From panaceas to actual solutions

12-13 October 2017

Conference Room

Isola di S. Giorgio Maggiore, Venice



Motivation and objective

Coupled with human-induced climate change, increasing population and changing distributions of wealth and consumption boost competition for water and constrains supply for agriculture –the largest user and that concentrating the marginal uses of the resource (IPCC, 2014). In this scenario providing safe, secure and profitable food production while restoring/ensuring the good ecological status of water bodies necessitates higher agricultural productivity. Efficiency-oriented water management, through new technologies and/or water reallocation to more productive uses, creates welfare enhancing opportunities that can be used to address these challenges, and has become a critical target in sustainable development –substantiated in SDG 6.4 (UN, 2015). However, much evidence shows that efficiency centric approaches often lead to water overuse in agriculture, the depletion and pollution of water bodies and degraded riverine and related ecosystems. Sensible and conscientious governance, supported by holistic water resources research (including economic analysis), are necessary to make these opportunities work for individual farmers and society alike (OECD, 2015).

This workshop will examine how economic analysis and instruments can help realize the full potential of efficiency centric catalysts, including but not limited to water markets and subsidies for irrigation modernization. The workshop will leverage on the expertise of leading water researchers from Australia, the US and Europe to identify those factors enabling and preventing successful performance and explore transferability. Discussions are expected to lead to a position paper on the issue. This workshop aspires to be the first one in a series of events that aim to understand the welfare tradeoffs that occur between users from rebalancing their share of available resources.

References

- IPCC, 2014. IPCC Fifth Assessment Report (AR5) (No. WGII). Intergovernmental Panel on Climate Change, Geneva (Switzerland).
- OECD, 2015. Water Resources Allocation: Sharing risks and opportunities, OECD Studies on Water. OECD Publishing.
- UN, 2015. Transforming our World: The 2030 Agenda for Sustainable Development (Report), Sustainable Development Knowledge Platform. United Nations.

Agenda – Day 1

09:00 – 09:30 *Arrival coffee*

09:30 – 10:00 *Registration*

10:00 – 10:15 **Welcome address**

Jaroslav Mysiak and C. Dionisio Pérez Blanco, Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC) and Fondazione Eni Enrico Mattei (FEEM)

10:15 – 11:00 **Keynote address – Efficiency-oriented interventions in irrigation management: do they conserve water? ([live broadcast](#))**

Susanne Scheierling (World Bank).

11:00 – 11:30 *Morning tea*

11:30 – 13:00 **Morning session: irrigation modernization and economic instruments – insights from international experience**

Elena López-Gunn (University of Leeds), Chris Perry (independent researcher), David Adamson (University of Adelaide). Chaired by D. Rey (Cranfield U.).

13:00 – 14:00 *Lunch*

14:00 – 15:45 **Round table – Irrigation modernization: empty promises?**

Guillaume Gruere (OECD), Manuel Pulido-Velázquez (Polytechnical University of Valencia), Patricia Mejías-Moreno (FAO), David Treguer (World Bank). Moderated by C. Dionisio Pérez-Blanco (CMCC & FEEM).

15:45 – 16:15 *Afternoon tea*

16:15 – 17:30 **Afternoon session: modelling behavior and economy-wide impacts**

Nina Graveline (French Geological Survey), Elco Koks (IVM), Catarina Roseta-Palma (ISCTE - Instituto Universitário de Lisboa). Chaired by Francesco Bosello (FEEM & CMCC).

17:30 – 17:40 **Wrap-up of day 1**

19:30 – 20:00 *Pre-dinner*

20:00 – 22:00 *Dinner*

Agenda – Day 2

08:30 – 09:00 *Coffee*

09:00 – 09:15 **Synopsis of day 1 and day 2 objectives**

C. Dionisio Pérez-Blanco (CMCC & FEEM).

09:15 – 10:00 **Keynote address – Water reallocation: risks and opportunities** ([*live broadcast*](#))

Guillaume Gruere (OECD).

10:00 – 11:30 **Morning session: water trade**

D. Rey (Cranfield U.), *A. Hrast* (Università Ca' Foscari, CMCC), *Alvar Escrivá-Bou* (Public Policy Institute of California). Chaired by *Silvia Santato* (CMCC & FEEM).

11:30 – 12:00 *Morning tea*

12:00 – 13:00 **Round table – Water trading and the environment: from private to societal gains**

C. Mario Gómez (Universidad Alcalá), *Chris Perry* (independent researcher), *Anik Bhaduri* (Water Future/Future Earth and Griffith University), *David Adamson* (University of Adelaide. Moderated by *Nina Graveline* (French Geological Survey).

13:00 – 14:00 *Lunch*

14:00 – 14:45 **Joint keynote address – The future of efficiency centric water management: what research is needed, what and where resources will be available** ([*live broadcast*](#))

Claudia Sadoff (World Bank), *Guillaume Gruere* (OECD), *Patricia Mejías-Moreno* (FAO).

14:45 – 15:00 **Wrap-up of the workshop – passing on the torch**

Jaroslav Mysiak and *C. Dionisio Pérez Blanco*, Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC) and Fondazione Eni Enrico Mattei (FEEM).

Logistical information



Marco Polo Venice Airport is approximately 14 Km from the Venice city centre and is connected to the city by water bus, water taxi, road bus and road taxi. The easiest way to reach the city centre from the Marco Polo Venice Airport is by taking the BLUE line of the **Alilaguna waterbus** and getting off at San Zaccaria (journey time approx. 75 minutes, € 15,00, from 6:15 am to 12:15 pm, see <http://www.alilaguna.it>). On arrival to San Zaccaria stop, you can reach the Island of San Giorgio Maggiore with the waterbus line 2. The journey time is approx. 3 minutes (1 stop). The ticket costs € 5,00 (one stop ticket). From 11:30 pm to 0:10 am night waterbuses (Line 'N') will leave every 20', from 0:30 am to 1:30 am every 30', and from 1:30 am to 4:30 am every 60'. From 1:30 am onwards the waterbus will stop only under request calling 800 845065 at least 20 minutes in advance - otherwise the vaporetto won't stop (<http://www.actv.it/en>).

An alternative and quicker, albeit more intricate, way is taking the ACTV or ATVO **road buses** that leave from the platforms outside the arrival hall and terminate at Piazzale Roma (road taxi and bus terminal).

ACTV road bus no. 5 takes approx. 25 minutes and the one way ticket costs € 8,00 (<http://www.actv.it/en>). **ATVO road bus** takes approx. 20 minutes and the one way ticket costs € 8,00 (return ticket costs € 15,00) (<http://www.atvo.it/>). **Road taxis** follow the same route and cost approximately € 40,00. From Piazzale Roma you can reach the Island of San Giorgio Maggiore with the waterbus line 2 (journey time is approx. 35 minutes and the ticket costs € 7,50).

A direct **water-taxi** from the airport to your final destination costs approximately € 100,00. Water-taxis can be found at the same location as the Alilaguna.

For further information you can contact events.ve@feem.it.