

Catalyst



Innovating the circular economy

**Fostering Professional Skills
for Circular Economy Transition
A Systemic Approach to Water Management**

Valencia Spain 28 November - 3 December 2016

IVIALC and onsite visits in the València city area and natural park of L'Albufera

Information Pack

#CatalystCircularEconomy
learning.climate-kic.org



Climate-KIC is supported by the EIT,
a body of the European Union

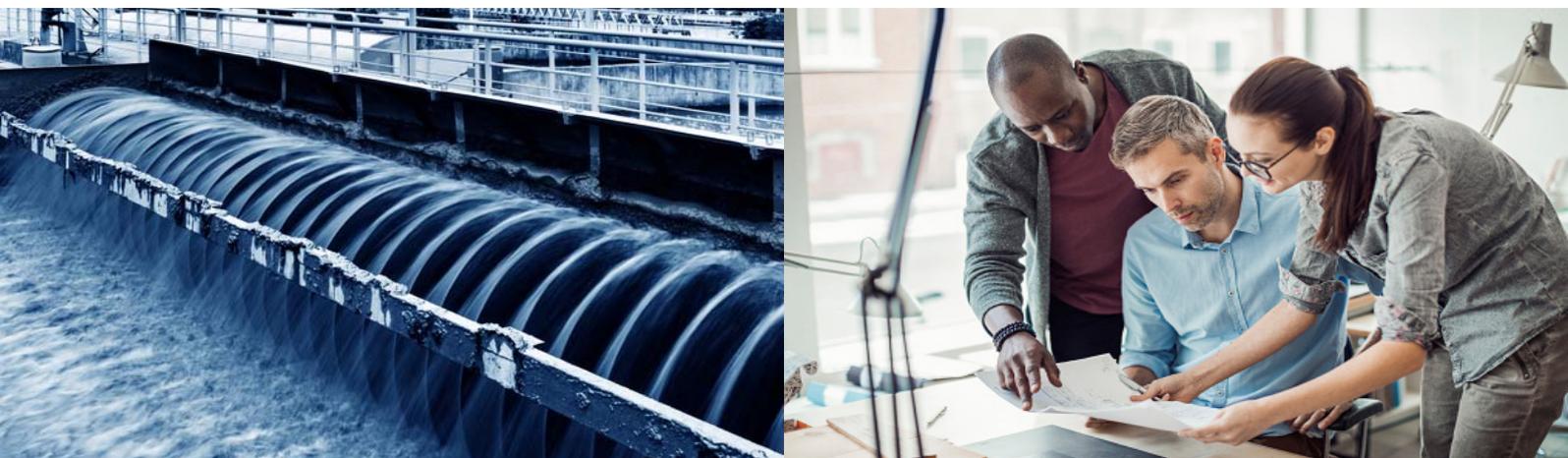


Introduction

An intensive and hands-on oriented, six-day course, aimed at increasing the capacities of practitioners to use system innovation to leverage their respective regional water systems. In the previous weeks, some webinars and online activities will help you to link with the other participants and prepare your own case scenarios for the course.

In the mornings you will learn about the backbone of the Circular Economy participatory activities and field visits. International and national experts will join panel discussions and activities providing thought-provoking insights about how circular economy is going to affect water systems, infrastructures, utilities, business, consumption habits and the interplay between nature and cities. The course will cover the details of the main challenges and approaches on how to transform the water system in your areas and how to spot the main challenges and opportunities for a transition to a circular approach, taking advantage of other systems.

In the afternoons you will work along with other participants on a real and specific circular economy challenge provided by a local authority. Throughout five days you will put in place innovative tools and methods based on system and design thinking, to come up and prototype a solution to the challenge. By the last day you will be expected to present the solution to the challenge owner. For five days, you will be experiencing first-hand a set of methods and an innovation pathway specifically crafted to drive forward system innovations. After that you will be able to apply them on your own contexts and challenges.



Goals

- to increase the capacities of practitioners to use system innovation to leverage their respective regional water systems to a circular economy context.
- update participants respective own projects and business strategies based on expert coaching and peer-to-peer feedback.
- learn a set of tools and methods on system innovation and creativity
- Further development of the following skill sets:
System thinking, Analysis, Open mind Integration, Empathy, Reflection, Diversity awareness, Visioning, Out-of-the-box thinking, Imagination, Projection, Team building, Creativity, making decisions, Problem solving, Planning, Prototyping, Communication, Pitching, Persuasion

Programme

Course date and detailed schedule:

28 November - 3 December

Day Topic Activity

Mornings

Participants will be exposed to new knowledge and experiences about how to transform the water system in a circular economy component. It is the time for learning from international experts, visiting local projects and take active part in participatory sessions. The first day will be devoted to the grounding in the topic and then we will dive into some specific challenges and problems. We will also go through methods and tools on system and disruptive innovation.

Day 1

Introduction: water and Circular Economy International expert and participatory discussion.

Day 2

Utilities and infrastructures International and regional experts. Role game on Stakeholders.

Day 3

Water in rural areas International expert and visit to irrigation project and a pilot nursery, with regional experts.

Day 4

Green infrastructure International expert and visit to Benaguasil experience, accompanied by regional experts.

Day 5

Solutions Regional problem owners.

Afternoons

Teams of 4-5 participants will apply innovation techniques to come up with a specific solution for a real challenge in a four step process: (1) Understanding the system, (2) Visioning the future, (3) Ideating solutions and (4) Prototyping the solution and presenting it.

The course will be from 9:00 to 17:00

Coaches



Javier de Vicente, PhD

Climate KIC training partner. System innovation and change management expert and facilitator. Javier holds large experience in training and innovation processes and methods, applying design thinking and creativity techniques to understand and solve systemic problems. After more than 20 years of experience in the public sector helping governments in policy making and citizen engagement he runs his own company aimed at helping organizations to address sustainable and transformational changes rooted in innovation.



Rafael Granell Ruiz, PhD

Rafael holds 4 years experience in management of processes that aim at providing change and innovation into organizations applying participatory research methods and system thinking (mostly in south america and Europe). He has also experience in Climate KIC Catalyst courses (as a tutor content in 2014 Valencia edition). He has been working in water and environment (MSc) management as a hydraulic engineer in the public sector and helping policy-makers to engage complexity. Currently, he is working at Instituto Valenciano de Investigaciones Agrarias as a European Project Officer in the H2020 call FERTINNOWA.



Edgar Bellver, MSc

Master's Degree in Sociology and a degree in Politics and Social Sciences in local growth, holds experience in participatory research and management of communities in Latin America and Spain. He's doing a PhD. in co-construction of public policies within complex frameworks with a multi-actor approach.



Mar Violeta Ortega

Mar is a technical specialist in the field of agricultural water management. She holds a PhD in water and environmental engineering. Since 2009, she has been working in water management consultancy and research projects. Professionally, she has worked on sustainable water management, water governance and economics, climate change and drought adaptation, irrigation policy and innovation. Mar has also worked and collaborated with multidisciplinary teams in water dissemination activities.

Experts

A pool of international and regional experts will bring the theoretical and practical inputs to the course, based on their broad experience implementing water projects embedded in the circular economy approach. The following is a tentative list of experts.

Introduction to Circular Economy



Guillermo Palau

Regional Expert: Guillermo Palau. Professor at the Polytechnic University of Valencia. He has been involved in many projects related to technology and development and participatory action research projects. He is professor of irrigation and his research is focused on water management and cultural ecosystem services. www.utopika.upv.es



Ruth Pérez Lázaro

Regional Expert: Ruth Pérez Lázaro is a researcher in the integrated water management and part of the New Water culture Foundation. The latter is an Iberian (Spain and Portugal) non-profit organization created in 2002 composed by over 200 outstanding members from academia, research institutions, public administration, private sector, stakeholders and citizens, aiming at promoting a change towards a more sustainable water management and a new water culture.

Utilities and infrastructure



Jesús Rosales Carreón

International Expert: Jesús Rosales Carreón Research Scientist at Copernicus Institute of Sustainable Development, Utrecht University. Chemical engineer committed to be a driving force in the transition towards an energy and material efficient society. I am convinced transdisciplinary creative solutions will solve complex global concerns. Therefore, my expertise relies on stakeholder involvement and engaged social responsible science. I thrive on sharing concrete significant work and leaving a legacy



Philippe Micheaux Naudet

International Expert: Philippe Micheaux Naudet Project Manager at ACRPLUS that is an international network of cities and regions who share the aim of promoting smart resource consumption and sustainable management of waste through prevention at source, reuse and recycling.



Enrique Lapuente

Regional Expert: Enrique Lapuente. CEO of the Public Entity for waste water treatment in País Valencià region. He has a degree in Civil Engineering and he has been involved as a consultant in many environmental projects. He has been professor of Urban services at the Universitat Politècnica de València for more of 15 years.

Water, Circular Economy and Agriculture



Astrid Alejandra Campos

International Expert: Astrid Alejandra Campos is a researcher at the Fraunhofer Institute for Interfacial Engineering and Biotechnology. She is working in the Agricultural phosphorus recovery.



Els Berckmoes

International Expert Els Berckmoes is a researcher at the Research Centre for Vegetable Production. This is a non-governmental, non-profit research institute specialized in greenhouse and open field vegetables. For the last decades the Research Station has gained important expertise on the field of water and fertilization. Research efforts go more and more to sustainability and reduction of the environmental impact of horticultural activities.



Assumpció Antón

Regional Expert: Assumpció Antón is a researcher at IRTA (Agrifood research and technological institute). Her research is focused on Live Cycle Assessment in agriculture.



Dolores Roca PhD

Dolores works at the Technology Transfer Service of País Valencià region and She has been researching at Valencian Research Institute for more than 20 years. Her main work comprehends projects around best management practices of crop production, considering the interactions plant- environment, with emphasis on optimizing the use of water and nutrient resources.

Rurban Green Infrastructures



Jesús Rosales Carreón

International Expert: Jesús Rosales Carreón Research Scientist at Copernicus Institute of Sustainable Development, Utrecht University. Chemical engineer committed to be a driving force in the transition towards an energy and material efficient society. He is convinced transdisciplinary creative solutions will solve complex global concerns. Therefore, his expertise relies on stakeholder involvement and engaged social responsible science. I thrive on sharing concrete significant work and leaving a legacy.



Bogachan Bayulken

International Expert: Bogachan Bayulken is a researcher at the Erasmus University of Rotterdam. He is involved in projects related to Sustainable Development, Urban Planning, Building Technology among others.

Problem Owners

Antonio Segarra environmental managers at Natural Park of Albufera

Alfredo Balmaceda Co-Founder & Principal Consultant Zicla www.goo.gl/TFGofw

Course Locations

UPV and onsite visits in the València city area and natural park of L'Albufera

Course date: 28 November - 3 December 2016

Venue details:

UPV and onsite visits in the València city area and natural park of L'Albufera

The UPV is a public, dynamic and innovative institution that is dedicated to researching and teaching. The UPV maintains strong bonds with its social environment and a strong presence abroad.

Our vocation as a service results from our commitment to society. We provide our students with the knowledge they need to be able to work as graduates in their professional field, and we offer them an all-round education where they acquire technological skills, as well as a humanistic and cultural education.

www.upv.es

Camino de vera s/n 46022. Valencia



City description:

The course will be held in Valencia, on the eastern part of the Spanish Mediterranean coast. With a multicultural past, Valencia is the third largest city in Spain. Valencia embraces culture and tradition from the past combined with singular architecture, exciting gastronomy, nightlife, and beautiful white sand beaches.

Practical Information

How to get to the city

City:

Valencia

How to get to the city

The nearest airport is Valencia Airport, which is about 8km far from Valencia. From the airport are several ways to reach the city

The nearest airport:

Valencia Airport

General location:

Valencia is located in the Mediterranean coast, surrounded by a periurban orchard and with access to beautiful beaches and a very important harbor.

Ways to reach the city, frequency and costs

By metro

There are two underground lines which link the airport, the city centre and the port: the line 3 (Rafelbunyol-Aeroporto) and the line 5 (Marítim Serrería - Torrent Av. / Aeropuerto). The station is at the ground floor of the regional flights terminal. The journey takes around 25 minutes. Tickets: €5 (4 + €1 for the card)

To City centre: lines 3 or 5 - Xativa station.

To Nord Railway Station: lines 3 or 5 - Xativa station.

To Joaquin Sorolla Railway Station: lines 3 or 5 - A. Guimera station and line 1 - J. Sorolla station.

To port: line 5 - Grau Canyamelar station.

By taxi

Stops: opposite arrivals.

Price: From the airport to the city centre is approximately € 14. Airport Supplement, € 3.5.

Minimum fee: € 1.20 (6:00am to 10:00pm), € 1.50 (10:00pm to 6:00am).

Minimum charge: € 2.95 (6:00am to 10:00pm), € 4 (10:00pm to 6:00am).

Per km: € 0.73 (rate 1); € 0.84 (rate 2); € 0.93 (rate 3).

By bus

Itinerary: Airport-Valencia-Airport. Direct service.

Stops:

Airport departures - Avenida del Cid (opposite to Local Police Office) - Calle Bailen - Calle Angel Guimera (next to Calle Juan Llorens) - Avenida del Cid - Airport departures.

Timetable: From 6.00 to 22.00. Every 20 minutes.

Price: 2.5 €.

Accommodation

Suggested hotels:



SH Palace Valencia

Location: Paseo de la Alameda, 32 · 46023 Valencia ·

www.hotel-valencia-palace.com

This Hotel is located in the heart of the cultural centre of the city, between the Palau de la Música and the City of the Arts and Sciences.

Distance: 24 min – Bus nº41 (180m away from Aragó – Saragossa stop)

Rates:

- Single room: 99.00 € per room and day (breakfast 10% VAT taxes included)
- Double room: 108.00 € per room and day (breakfast 10% VAT taxes included)



Hotel Astoria

Location: Plaza de Rodrigo Botet, 5, 46002, Valencia ·

www.ayrehoteles.com

This Hotel is located in Center Twon by Plaza del Ayuntamiento.

Distance: 36 min – Bus nº71 & Bus nº 9 (220m away from Pl. Ajuntament – Barques stop).

Rates:*

- Single classic: 82 € per room and day (breakfast included, 10% VAT taxes not included)
- Twin classic: 97 € per room and day (breakfast included, 10% VAT taxes not included)



Hotel Ilunion Valencia - Accessible Hotels

Location: C/ Luis Garcia Berlanga 19-21 46023, València.

There are 2 Hotels Ilunion 3* & 4*. Both are located at the Ciudad de las Artes y Ciencias Area.

Rates:

Hotel Iluni3n AQUA 3 · www.ilunionaqua3.com

- Single classic: 70 € per room and day (breakfast included, 10% VAT taxes not included)
- Twin classic: 82 € per room and day (breakfast included, 10% VAT taxes not included)



Hotel Iluni3n AQUA 4 · www.ilunionaqua4.com

- Single classic: 90 € per room and day (breakfast included, 10% VAT taxes not included)
- Twin classic: 104 € per room and day (breakfast included, 10% VAT taxes not included)

Fees and application

2000 EUR

A 50% discount on the regular fee is available for below groups:

- Employees of public bodies
- Employees of Climate-KIC partners (both core and affiliate partners)
- Employees of NGOs
- Climate-KIC Alumni
- Participants of the Climate-KIC Certified Professional test phase in 2015

Participation can be cancelled free of charge until 4 weeks before the course.
Already paid fees will be reimbursed.

50% of course fees are payable in case of cancellation between four and one week before the course.
Already paid fees will be reimbursed accordingly.

Full fees apply after cancellation of less than one week before the course.



For further information and online application:
[click here](#)

For further enquiries, please contact:
celsa.monros@climate-kic.org

In collaboration with:



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

