

“STATE OF THE ART”

## Innovative Wastewater Treatment and Resource Recovery Technologies

*Environmental, Economic & Social impacts*

18 November 2016

Fundació Agbar

Cornellà de Llobregat, Barcelona (Spain)



8:30 - 9:00	Registration	
9:00 - 9:30	The 3R concept in wastewater treatment	Juan M. Lema (U. Santiago de Compostela, Spain)
<b>Session I: Technologies reducing energy requirements and impacts</b>		
9:30 - 9:50	Nutrients removal	Francesco Fatone (U. Verona, Italy)
9:50 - 10:10	Membranes in wastewater treatment	Evina Katsou (Brunel U., United Kingdom)
10:10 - 10:30	Aerobic Granular sludge reactors	Claudio Di Iaconi (IRSA-CNR, Italy)
10:30 - 10:50	Anaerobic treatment of wastewater	Emine Gözde Özbayram (Istanbul T.U., Turkey)
10:50 - 11:20	<i>Coffee break</i>	
11:20 - 11:40	Technologies for micropollutants removal	Marta Carballa (U. Santiago de Compostela, Spain)
11:40 - 12:00	Technologies limiting gas & odour emissions	David Gabriel (A.U. Barcelona, Spain)
<b>Session II: Reusing water and sludge</b>		
12:00 - 12:20	Producing high quality recycled wastewater	Uwe Hübner (T.U. München, Germany)
12:20 - 12:40	Producing sludge for agricultural applications (in Europe)	Sergio Ponsá (U. VIC, Spain)
<b>Session III: Recovering resource</b>		
12:40 - 13:00	Energy from sludge	Sara Perez-Elvira (U. Valladolid, Spain)
13:00 - 13:20	Metals	Ioannis Vyrides (Cyprus T.U., Cyprus)
13:20 - 14:30	<i>Lunch</i>	
14:30 - 14:50	Nutrients	Ana Soares (Cranfield U., United Kingdom)
14:50 - 15:10	Organic added value products (bioplastics)	Anuska Mosquera (U. Santiago de Compostela, Spain)
<b>Session IV: Assessing impacts</b>		
15:10 - 15:30	Assessing environmental impacts (LCA)	Maitte Moreira (U. Santiago de Compostela, Spain)
15:30 - 15:50	The impact of innovation on wastewater treatment costs	Francesc Hernández (U. Valencia, Spain)
15:50 - 16:20	<i>Coffee break</i>	
<b>Session V: Process Integration</b>		
16:10 - 16:30	Steady-state decision support systems	Joaquim Comas (ICRA, Spain)
16:30 - 16:50	Superstructure optimization of plant design	Gürkan Sin (T.U. Denmark, Denmark)
16:50 - 17:20	Model-based comparative assessment of innovative processes	Eduardo Ayesa (CEIT, Spain)

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## Registration

If you are planning to attend the seminar, please register [here](#) before 31<sup>st</sup> of October.

The registration fee which covers lunch, coffee and the seminar material, is 50€.

Please, take in count you must send a copy of the payment to [iria.lemma@usc.es](mailto:iria.lemma@usc.es) to complete your registration.

**Beneficiary:** University of Santiago de Compostela. School of engineering (ETSE)

**Address:** Rúa Lope Gómez de Marzoa, s/n. Campus Vida. 15705. Santiago de Compostela

**VAT number:** Q1518001A

**Bank Name:** Banco Santander

**IBAN:** ES40 0049 2584 9022 1400 2210

**SWIFT:** BSCHEMM

**Registration Fee:** 50€

**Concept:** State of the Art. Water 2020

## Location



### Fundación Agbar

Edifici Can Serra, Central Cornellà. Ctra. Sant Joan Despí, 1. 08940 Cornellà de Llobregat (Barcelona)

<https://goo.gl/maps/gMtSoQzVxPE2>

In relation with [iwater](#) event, both locations are connected by public transport.

