



**Project overview –**  
Energy recovery from wastewater and  
biomass: how circular economy is part  
of the solution?


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# INCOVER project details

- 3-years project : June 2016 – May 2019
- Funding by EU H2020 (Topic: Water1b-2015); GA: 689242; 7.2 millions EU contribution (Total budget: 8.4 millions)
- Project coordinator  **aimen**  
CENTRO TECNOLÓGICO
- 18 partners

# INCOVER Consortium



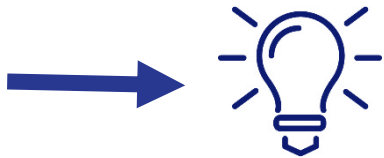
INCOVER

# INCOVER Concept

- Pressure on water resources: climate change, pollution, urbanisation, water scarcity...



- Expensive cost of operation and maintenance of wastewater treatment



Transform wastewater **from a waste stream into a source of new added-value products**

# INCOVER Objectives

Main objectives: to reduce at least 50% overall operation and maintenance (O&M) costs of conventional WW treatment and alleviate water scarcity

- **Validate innovative technologies** at demonstration scale to obtain bio-products
- Develop **innovative monitoring techniques** (optical sensing and soft sensors)
- Assess their **cost-effectiveness** and **sustainability**
- Develop a tailored **Decision Support System** for selecting the most technical, social and cost efficient treatment solution
- Develop strategies to facilitate **a rapid market access**

# Case studies

## Case study 1: Treating municipal wastewater



- Universitat Politecnica de Catalunya (Spain)
- Leded by UPC

## Case study 2: Treating agricultural wastewater



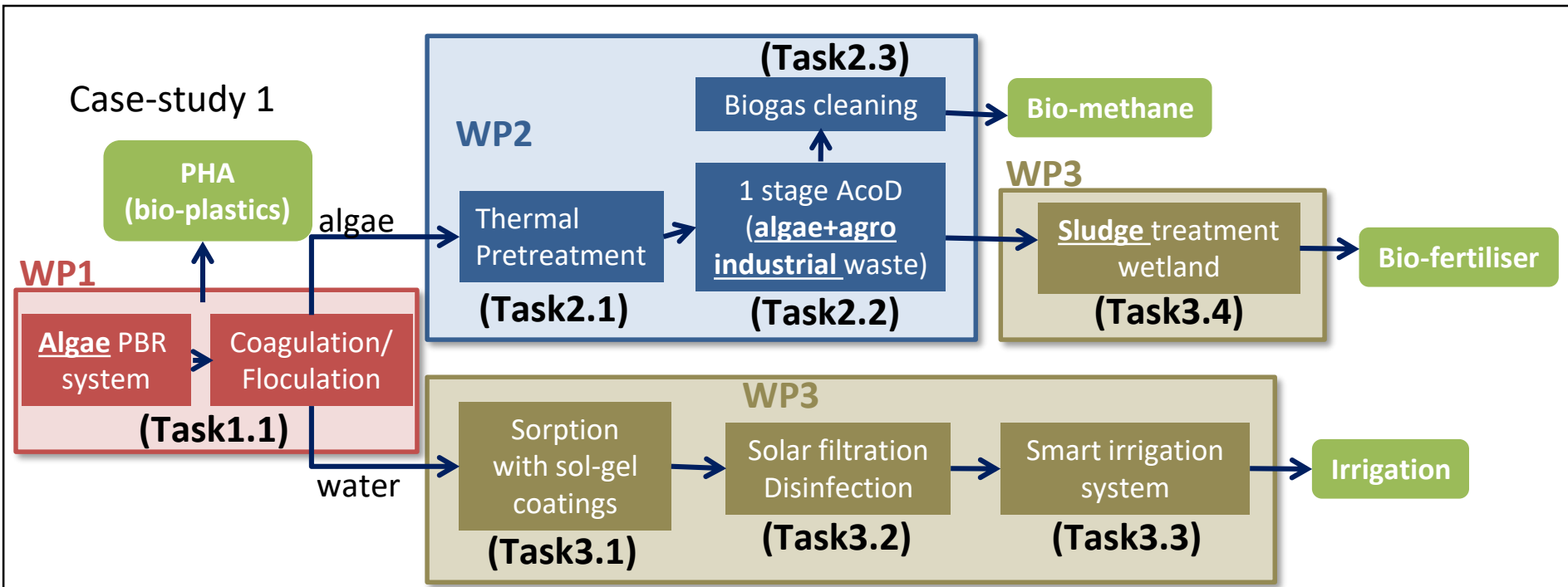
- Chiclana and Almeria AQUALIA facilities (Spain)
- Leded by AQUALIA

## Case study 3: Treating industrial wastewater

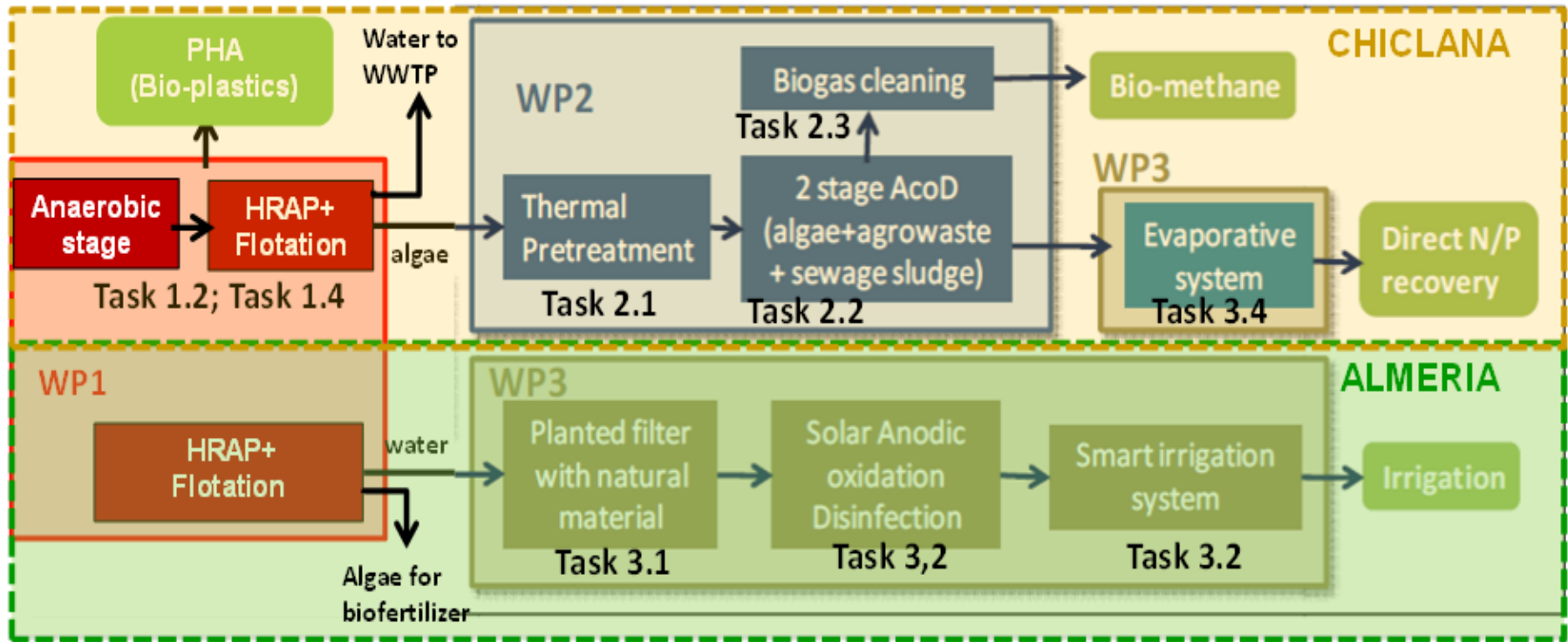


- UFZ ( Helmholtz – Centre for environmental research) location (Leipzig, Germany)
- Leded by UFZ
- Treating industrial WW

# Case study 1 (Barcelona)

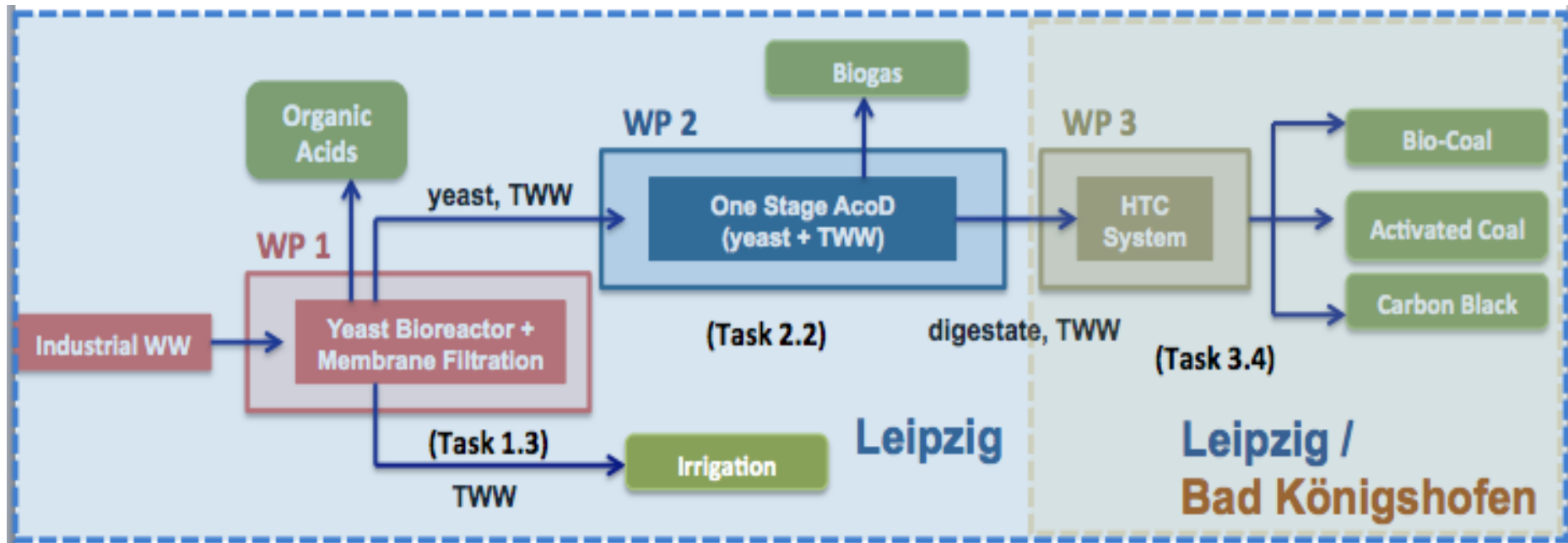


# Case study 2 (Chiclana/Almería, Spain)

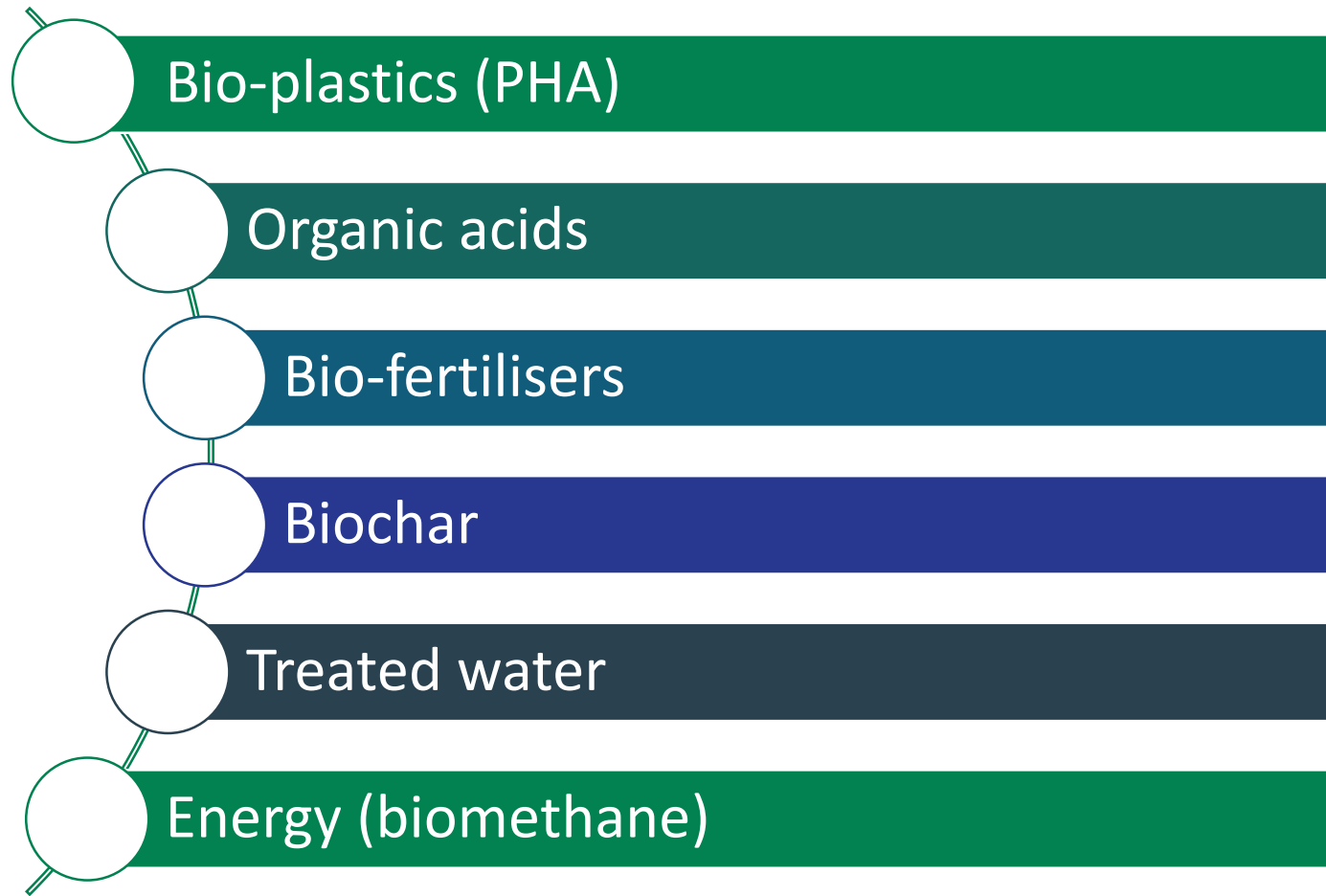




# Case study 3 (Leipzig/Bad Königshofen, Germany)



# INCOVER by-products



## More information



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Thank you !



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