



**CETAQUA**  
CENTRO TECNOLÓGICO DEL AGUA

# The SEMPRE-BIO project: SEcuring doMestic PROduction of cost-Effective BIOMethane



## SEMPRE-BIO Project...

SEMPRE-BIO aims to demonstrate novel and cost-effective biomethane production solutions and pathways, deemed essential to achieve the European Green Deal and climate and energy targets for 2030 and the net zero greenhouse gas emissions by 2050, and to increase the market up-take of biomethane related technologies.

### ...in numbers

**42**

Months



**16**

Partners



**6**

Countries



**9.9M**

Funding



### ... in OUTCOMES

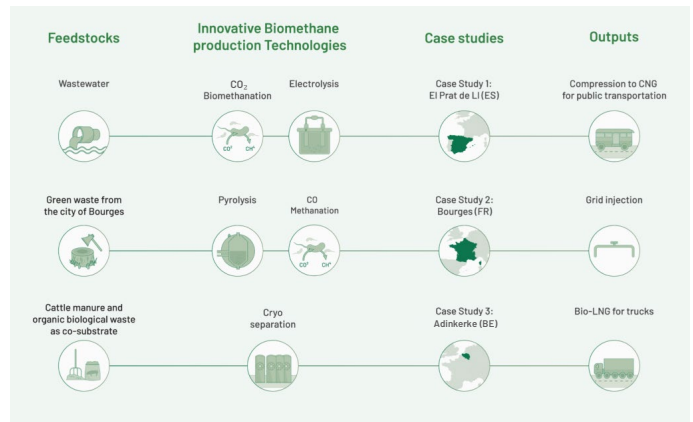
SEMPRE-BIO expects to meet 4 specific outcomes of the Horizon Europe call resulting in a CLEANER, MORE SUSTAINABLE AND SECURE ENERGY SUPPLY.

1. Increase cost-effectiveness of the conversion in biomethane production.
2. Diversify the conversion technology basis for biomethane product.
3. Contribute to market up-take of biomethane related technologies in the gas market.
4. Contribute to the demonstration at nearly industrial-scale novel conversion technologies to produce biomethane from wastewater and Woody biomass.

### ...in INNOVATIONS & DEMONSTRATIONS

SEMPRE-BIO will take technological solutions FROM MODELS TO REALITY in 3 European Biomethane Innovation Ecosystems (EBIE) where 5 biomethane innovations technologies will be tested. SEMPRE-BIO will demonstrate novel and cost-effective biomethane production solutions to support circular economy and reduce dependence on fossil fuels.

### ... in PILLARS



### The SEMPRE-BIO EBIEs



CS1: Aigües de Barcelona, Barcelona, Spain



CS2: Bourges, France



CS3: De Zwanebloem, Adinkerke, Belgium



### SEMPRE-BIO partners:



ProPuls

SINTEF



Biogas-3 platform voor anaerobe vergisting

terrawatt

NV De Zwanebloem

Aigües de Barcelona

Innolab

CRYO inox

DBFZ

DTU Technical University of Denmark

Naturgy

TMB

CETAQUA WATER TECHNOLOGY CENTRE

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