

OUTCOMES

SEMPRE-BIO expects to meet 4 specific outcomes:



Increase cost-effectiveness of the conversion in biomethane production.



Diversify the conversion technology basis for biomethane product.



Contribute to market up-take of biomethane related technologies in the gas market.



Contribute to the demonstration at nearly industrial-scale novel conversion technologies to produce biomethane from wastewater and Woody biomass.

Resulting in:

**CLEANER,
MORE SUSTAINABLE AND
SECURE ENERGY SUPPLY**



sempre-bio.com



@SEMPRE-BIO PROJECT



@SEMPRE_BIO



@semprebioproject



Funded by
the European Union

The SEMPRE-BIO project has received funding from the European Union's HORIZON-CL5-2021-03-03-16 programme under grant agreement N° 101084297. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



SEMPRE-BIO

**SEcuring doMestic
PRoduction of
cost-Effective
BIOmethane**

Fostering new
cost-effective ways to
produce biomethane

WHAT IS SEMPRE-BIO?

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. Additionally, the project aims to boost the market adoption of biomethane-related technologies in alignment with the goal of achieving net-zero greenhouse gas emissions by 2050.

In numbers...



42

Months



17

Partners



7

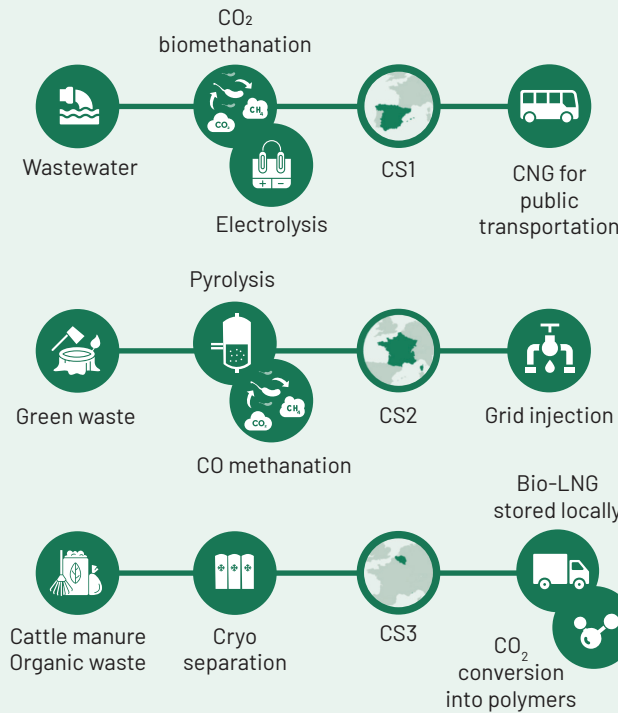
Countries



9.9M

Funding

IN PILLARS...



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.

THE EBIEs



CS1:
Aigües de Barcelona,
Barcelona, Spain



CS2:
Bourges,
France



CS3:
De Zwanebloem,
Adinkerke, Belgium

PARTNERS

Coordinator

CETAQUA
WATER TECHNOLOGY CENTRE



ProPuls

SINTEF

Beta
Biodiversitat, Ecologia,
Tecnologia Ambiental i Alimentació

Biogas-3
platform voor anaerobe vergisting

terrawatt

UVIC
UNIVERSITAT DE VIC
UNIVERSITAT CENTRAL
DE CATALUNYA

**NV De
Zwanebloem**

**Aigües de
Barcelona**

Innolab
Lab 4 Biomass

CRYOinox

DBFZ

DTU Technical
University of
Denmark

Naturgy

TMB

inveniam

BIOTHANE
by **VEOLIA**
Water Technologies