



Demonstrating and Connecting Production Innovations in the BIOMETHAne uniVERSE

Fact Sheet

Project Information

BIOMETHAVERSE

Grant agreement ID: 101084200

DOI
[10.3030/101084200](https://doi.org/10.3030/101084200)

EC signature date
20 October 2022

Start date 1 October 2022	End date 31 March 2027
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Funded under
Climate, Energy and Mobility

Total cost
€ 11 489 961,25

EU contribution
€ 9 871 768,51

Investment in EU policy priorities

- | | | | |
|-------------------------|-----------------------|----------------|----------------------------------|
| Digital agenda | ☐ | Clean air | ☐ |
| Artificial Intelligence | ☐ | Climate action | ☒ |
| Biodiversity | ☐ | | |

Coordinated by
ISTITUTO DI STUDI PER
L'INTEGRAZIONE DEI SISTEMI -
SOCIETA'COOPERATIVA
 Italy



Innovative biomethane for REPowerEU

Project description

New cost-effective biomethane production routes delivering greater yields

The EU-funded BIOMETHAVERSE project aims to diversify the technological basis for biomethane production in Europe, increasing cost-effectiveness and contributing to the uptake of biomethane technologies. To this end, five innovative biomethane production pathways will be demonstrated in five different European countries: France, Greece, Italy, Sweden and Ukraine. In the BIOMETHAVERSE demonstrators, CO₂ effluents from anaerobic digestion or gasification and other intermediate products will be combined with renewable hydrogen or renewable electricity to increase the overall biomethane yield. All demonstrated production routes consider a circular approach for energy and material use. The demonstrated technologies will reach TRL 6-7.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental biotechnology](#) > [bioremediation](#) > [bioreactors](#)

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > [renewable energy](#)

Keywords

[biomethane](#)

[sustainability assessment](#)

[replicability](#)

[upscaling](#)

[innovative production pathways](#)

[market penetration](#)

[planning decisions](#)

[communication](#)

[exploitation](#)

Programme(s)

[HORIZON.2.5 - Climate, Energy and Mobility](#)

MAIN PROGRAMME

[HORIZON.2.5.2 - Energy Supply](#)

Topic(s)

[HORIZON-CL5-2021-D3-03-16 - Innovative biomethane production as an energy carrier and a fuel](#)

Call for proposal

[HORIZON-CL5-2021-D3-03](#) 

[See other projects for this call](#)

Funding Scheme

[HORIZON-IA - HORIZON Innovation Actions](#)

Coordinator



**ISTITUTO DI STUDI PER L'INTEGRAZIONE DEI SISTEMI -
SOCIETA'COOPERATIVA**

Net EU contribution

€ 676 962,50

Total cost

€ 676 962,50

Address

VIA SISTINA 42

00187 Roma

 **Italy** 

SME 

Yes

Region

Centro (IT) > Lazio > Roma

Activity type

Other

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (21)



EUROPEAN BIOGAS ASSOCIATION AISBL

 Belgium

Net EU contribution

€ 680 375,00

Address

RUE D ARLON 63-65

1040 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Other

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 680 375,00



AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

 Italy

Net EU contribution

€ 595 325,00

Address

LUNGOTEVERE GRANDE AMMIRAGLIO THAON DI REVEL 76
00196 Roma 

Region
Centro (IT) > Lazio > Roma

Activity type
Research Organisations

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 595 325,00



BIOENERGY ASSOCIATION OF UKRAINE

 Ukraine
Net EU contribution
€ 100 250,00

Address
STREET VELIKA ZHYTOMYRSKA 8A
01034 Kiev 

Activity type
Other

Links
[Contact the organisation](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 100 250,00



BIOAERIO LAGADA ANONYMI ETAIREIA

 Greece
Net EU contribution
€ 848 102,50

Address

677 KOLCHIKO, LAGADA

572 00 KOLCHIKO 

SME 

Yes

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 1 211 575,00



ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΠΤΥΞΗΣ

 Greece

Net EU contribution

€ 540 925,00

Address

CHARILAOU THERMI ROAD 6 KM

57001 Thermi Thessaloniki 

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 540 925,00



RISE RESEARCH INSTITUTES OF SWEDEN AB

 Sweden

Net EU contribution

€ 1 166 393,75

Address

BRINELLGATAN 4

501 15 Borås 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 1 166 393,75



CORTUS ENERGY AB

 Sweden

Net EU contribution

€ 147 105,00

Address

ISAFJORDSGATAN 32 C, 5TH FLOOR

164 40 Kista 

SME 

Yes

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 210 150,00



WARTSILA SWEDEN AB

 Sweden

Net EU contribution

€ 168 017,50

Address

BOX 8006
402 77 Goteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 240 025,00



ENGIE

 France

Net EU contribution

€ 409 166,63

Address

1 PLACE SAMUEL DE CHAMPLAIN
92400 Courbevoie 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)  [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 584 523,75



AERIS TECNOLOGIAS AMBIENTALES SL

Spain

Net EU contribution

€ 369 250,00

Address

CALLE SANTA ROSA 38
08290 Cerdanyola Del Valles

SME

Yes

Region

Este > Cataluña > Barcelona

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 527 500,00



ACONDICIONAMIENTO TARRASENSE ASSOCIACION

Spain

Net EU contribution

€ 421 046,25

Address

CARRER DE LA INNOVACIO 2
08225 Terrassa

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 421 046,25



DANMARKS TEKNISKE UNIVERSITET

 Denmark

Net EU contribution

€ 398 307,50

Address

ANKER ENGELUNDS VEJ 101

2800 Kongens Lyngby 

Region

Danmark > Hovedstaden > Københavns omegn

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 398 307,50



FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG

 Germany

Net EU contribution

€ 396 200,00

Address

FREYESLEBENSTRASSE 1

91058 ERLANGEN 

Region

Bayern > Mittelfranken > Erlangen, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 396 200,00



CAP HOLDING SPA

 Italy

Net EU contribution

€ 386 513,75

Address

VIA RIMINI 38

20142 Milano 

Region

Nord-Ovest > Lombardia > Milano

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 552 162,50



ENERGIGAS SVERIGE SERVICE AB

 Sweden

Net EU contribution

€ 89 279,75

Address

PO BOX 49134

100 29 Stockholm 

SME 

Yes

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Total cost

€ 127 542,50



"PrJSC ""MHP EKO ENERGY""

Ukraine

Net EU contribution

€ 957 120,50

Address

1,Elevatorna Str., city Myronivka, Kyiv region, Ukraine
08800 Myronivka

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Total cost

€ 1 367 315,00



POLITECNICO DI MILANO

Italy

Net EU contribution

€ 391 087,50

Address

PIAZZA LEONARDO DA VINCI 32
20133 Milano 

Region
Nord-Ovest > Lombardia > Milano

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 391 087,50



CONSORZIO ITALIANO COMPOSTATORI

 Italy
Net EU contribution
€ 130 862,50

Address
VIA BONCOMPAGNI 93
00187 Roma 
Region
Centro (IT) > Lazio > Roma

Activity type
Other

Links
[Contact the organisation](#)  [Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 130 862,50



SOCIETA ITALIANA ACETILENE E DERIVATI SPA

 Italy
Net EU contribution

€ 263 200,00

Address

VIA SAN BERNARDINO 92
24126 Bergamo 

Region

Nord-Ovest > Lombardia > Bergamo

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 376 000,00



DBFZ DEUTSCHES BIOMASSEFORSCHUNGSZENTRUM GEMEINNUTZIGE GMBH

 Germany

Net EU contribution

€ 601 170,00

Address

TORGAUER STRASSE 116
04347 Leipzig 

Region

Sachsen > Leipzig > Leipzig

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 601 170,00



ELLMANN ENGINEERING (EE) GMBH

 Germany

Net EU contribution

€ 135 107,88

Address

AM DIETZENHUGEL 15

06636 Laucha And Der Unstrut 

SME 

Yes

Region

Sachsen-Anhalt > Sachsen-Anhalt > Burgenlandkreis

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 194 262,50

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Permalink: <https://cordis.europa.eu/project/id/101084200>

European Union, 2025