



BIO-based products from FORestry via Economically Viable European Routes

Fact Sheet

Project Information

BIOFOREVER

Grant agreement ID: 720710

[Project website](#) 

DOI

[10.3030/720710](https://doi.org/10.3030/720710) 

Project closed

EC signature date

26 July 2016

Start date

1 September 2016

End date

31 December 2019

Funded under

SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

Total cost

€ 15 237 405,75

EU contribution

€ 9 937 997,02

Coordinated by

DSM FOOD SPECIALTIES BV



Netherlands

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Objective

Lignocellulosic (LC) feedstock will soon become a key strategic resource in Europe for chemical intermediates and products, boosting the transition from fossil-based to bio-based economy. BIOFOREVER will demonstrate 5 new LC value chains and 3 valorisation routes for co-products utilizing 4 different cascading biorefinery concepts in order to establish optimal combinations of feedstock, biorefinery, end-products and markets that will allow the successful implementation of these value chains in commercial scale as follow-up step. Chemicals, food and specialties will be produced.

The project will target spruce, poplar and wood waste but will also assess other LC feedstocks in order to achieve the most commercially viable and sustainable value chains. Using a fast-track (3-year) and open innovation approach, BIOFOREVER teams up 14 leading industrial partners in feedstock supply, pre-treatment, downstream processing and producers of chemicals, food and specialties in order to rapidly progress commercialization of these value chains. Assessment of feedstock sustainability, customer perception and stakeholder engagement for scale up to commercial scale will be integrated in the project.

Business cases for the value chains will result in competitive biobased products, matching cost of existing fossil-based products (e.g. at par with current sugars) and improving performance in properties and sustainability. Other impacts of BIOFOREVER are:

- Up to 85% reductions in CO₂-emissions compared to fossil-based value chains.
- About € 400 mln turnover in biorefinery intermediates (lignins and sugars) and € 650 mln in chemical intermediates and products for a 1,5 mln ton/year LC biorefinery.
- The number of direct jobs of commercial scale biorefinery would accumulate to about 1200, generating typically 6000-7500 indirect jobs and an additional investment exceeding the 70M euros by the partners

Fields of science (EuroSciVoc) 

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

[social sciences](#) > [economics and business](#) > [economics](#) > **[bioeconomy](#)**

[social sciences](#) > [economics and business](#) > [economics](#) > **[sustainable economy](#)**

[agricultural sciences](#) > [agriculture, forestry, and fisheries](#) > **[forestry](#)**

[engineering and technology](#) > [industrial biotechnology](#) > [bioprocessing technologies](#) > **[fermentation](#)**



Programme(s)

[H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy](#)

MAIN PROGRAMME

[H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative \(BBI-JTI\)](#)

Topic(s)

[BBI.VC1.D1-2015 - Lignocellulosic feedstocks into chemical building blocks and high added value products](#)

Call for proposal

[H2020-BBI-PPP-2015-02](#) 

[See other projects for this call](#)

Sub call

H2020-BBI-PPP-2015-2-1

Funding Scheme

[BBI-IA-DEMO - Bio-based Industries Innovation action - Demonstration](#)

Coordinator



DSM FOOD SPECIALTIES BV

Net EU contribution

€ 1 338 852,25

Total cost

€ 2 780 183,75

Address

ALEXANDER FLEMINGLAAN 1

2613 AX Delft

 Netherlands 

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](#) 

Participants (18)

 THIRD-PARTY 

DSM MATERIALS SCIENCE CENTER BV

 Netherlands

Net EU contribution

€ 69 746,00

Address

URMONDERBAAN 22

6167 RD Geleen 

Region

Zuid-Nederland > Limburg (NL) > Zuid-Limburg

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

€ 122 666,25

DSM V BV

 Netherlands

Net EU contribution

€ 112 510,00

Address

**ALEXANDER FLEMINGLAAN 1
2613 AX DELFT** 

Region

West-Nederland > Zuid-Holland > Delft en Westland

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 225 021,25



SUEZ GROUPE

 France

Net EU contribution

€ 127 676,00

Address

**16 PLACE DE L'IRIS TOUR CB21
92040 Paris** 

Region

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

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 468 095,00

 THIRD-PARTY 

VEOLIA ENVIRONMENTAL SERVICES BELUX

 Belgium

Net EU contribution

€ 106 371,00

Address

KEIZER KARELLAAN 584 BUS 7

1082 SINT-AGATHA-BERCHEM 

Region

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

Activity type

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

Links

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

[HORIZON collaboration network](#) 

Total cost

€ 212 742,50



PHYTOWELT GREENTECHNOLOGIES GMBH

 Germany

Net EU contribution

€ 613 722,90

Address

KOLSUMER WEG 33

41334 Nettetal 

SME 

Yes

Region

Nordrhein-Westfalen > Düsseldorf > Viersen

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

€ 876 747,00



BORREGAARD AS

Norway

Net EU contribution

€ 1 096 099,00

Address

HJALMAR WESSELS VEI 6
1721 Sarpsborg

Region

Norge > Oslo og Viken > Viken

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

€ 2 192 198,25



BIOPROCESS PILOT FACILITY BV

Netherlands

Net EU contribution

€ 1 180 943,75

Address

ALEXANDER FLEMINGLAAN 1
2613 AX Delft

Activity type

Other

Links

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

Total cost

€ 1 180 943,75



AVANTIUM CHEMICALS BV

Netherlands

Net EU contribution

€ 1 237 345,38

Address

ZEKERINGSTRAAT 29
1014 BV Amsterdam

SME

Yes

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

€ 2 209 397,50

THIRD-PARTY

AVANTIUM SUPPORT BV

Netherlands

Net EU contribution

€ 282 982,88

Address

ZEKERINGSTRAAT 29
1014 BV Amsterdam

SME

Yes

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

€ 404 261,25

 **THIRD-PARTY** 

SYNVINA CV

 Netherlands

Net EU contribution

€ 26 250,00

Address

ZEKERINGSTRAAT 29

1014 BV Amsterdam 

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

€ 37 500,00



BIOCLEAVE LIMITED

 United Kingdom

Net EU contribution

€ 445 844,70

Address

154AH BROOK DRIVE

OX14 4SD Abingdon 

SME 

Yes

Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

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

€ 636 921,00



NOVASEP PROCESS

France

Net EU contribution

€ 255 451,88

Address

SITE EIFFEL BOULEVARD DE LA MOSELLE
54340 Pompey



Region

Grand Est > Lorraine > Meurthe-et-Moselle

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

€ 364 931,25



ELKEM CARBON AS

Norway

Net EU contribution

€ 266 930,00

Address

DRAMMENSVEIN 169
0277 OSLO 

Region

Norge > Oslo og Viken > Oslo

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

€ 533 858,75



METGEN OY

 Finland

Net EU contribution

€ 565 682,25

Address

RAKENTAJANTIE 26
20780 Kaarina 

SME 

Yes

Region

Manner-Suomi > Etelä-Suomi > Varsinais-Suomi

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

€ 808 117,50



API EUROPE MONOPROSOPI ETAIREIA PERIORISMENIS EFTHINIS YPIRESION EREVNAS KAI MELETIS STIN VIOTECHNOLOGIA

 Greece

Net EU contribution

€ 1 836 500,40

Address

KARVELA 5

15342 ATHINA 

SME 

Yes

Region

Αττική > Αττική > Βόρειος 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

€ 2 623 572,00



HAVENBEDRIJF ROTTERDAM NV

 Netherlands

Net EU contribution

€ 46 548,00

Address

WILHELMINAKADE 909

3072 AP Rotterdam 

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

€ 93 096,25



NOVA-INSTITUT FUR POLITISCHE UND OKOLOGISCHE INNOVATION GMBH

 Germany

Net EU contribution

€ 174 951,00

Address

LEYBOLDSTRASSE 16

50354 Hurth 

SME 

Yes

Region

Nordrhein-Westfalen > Köln > Rhein-Erft-Kreis

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

€ 249 930,00



BIO REFINERY DEVELOPMENT BV

 Netherlands

Net EU contribution

€ 153 589,63

Address

HAZELAAR 10

6444 DL BRUNSSUM 

SME 

Yes

Region

Zuid-Nederland > Limburg (NL) > Zuid-Limburg

Activity type

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

Links

[Contact the organisation](#) 

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[HORIZON collaboration network](#) 

Total cost

€ 219 413,75

Last update: 6 September 2024

Permalink: <https://cordis.europa.eu/project/id/720710>

European Union, 2025