



Circular solutions for the textile industry

Fact Sheet

Project Information

Glaukos

Grant agreement ID: 887711

[Project website](#) 

DOI

[10.3030/887711](https://doi.org/10.3030/887711) 

Project closed

EC signature date

16 April 2020

Start date

1 June 2020

End date

31 May 2024

Funded under

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

Total cost

€ 4 997 167,50

EU contribution

€ 4 185 880,00

Coordinated by

BIO BASE EUROPE PILOT
PLANT VZW



Belgium

This project is featured in...



12 February 2024



9 October 2024



Project description

Sustainable clothing and fishing gear

The EU-funded Glaukos project aims to develop innovative and environmentally sustainable textile fibres and coatings. The complete life cycle of these textiles will be redesigned: their sustainability performance (i.e. biodegradability and bio-recyclability) will be enhanced significantly, while their technical performance will be matched to end-user requirements. Glaukos builds on two concepts: triggerable biodegradability as a key concept in polymer design to mitigate textile-based microplastics pollution, and bio-recycling as a sustainable end-of-life solution. The supply chain distance is also substantially reduced by scaling up a disruptive way of producing the main polymer building block from several bio-based feedstocks. The underlying objective of Glaukos is to reduce the carbon and the plastic footprint of clothing and fishing gear. Stakeholders' engagement will be encouraged through the involvement of individuals from the clothing and fishing gear industry.

Fields of science (EuroSciVoc)

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

[natural sciences](#) > [chemical sciences](#) > [polymer sciences](#)

[engineering and technology](#) > [materials engineering](#) > **[textiles](#)**

[engineering and technology](#) > [materials engineering](#) > **[coating and films](#)**

[natural sciences](#) > [earth and related environmental sciences](#) > [environmental sciences](#) > **[pollution](#)**



Keywords

[Polymer design](#)

[bio-based fibres and textile coatings](#)

[fermentation](#)

[bio-recycling](#)

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.2.1.4. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Biotechnology](#)

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

Topic(s)

[BBI-2019-SO3-R9 - Develop bio-based fibres and/or functional molecules to improve the performance of textile products](#)

Call for proposal

[H2020-BBI-JTI-2019](#)

[See other projects for this call](#)

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



BIO BASE EUROPE PILOT PLANT VZW

Net EU contribution

€ 1 004 175,00

Total cost

€ 1 115 750,00

Address

RODENHUIZEKAAI 1
9042 Desteldonk Gent

 **Belgium** 

SME 

Yes

Region

Vlaams Gewest > Prov. Oost-Vlaanderen > Arr. Gent

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Participants (13)



UNIVERSITEIT MAASTRICHT

 **Netherlands**

Net EU contribution

€ 667 875,00

Address

MINDERBROEDERSBERG 4
6200 MD Maastricht 

Region

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

Activity type

Higher or Secondary Education Establishments

Links

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

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

Total cost

€ 667 875,00



B4PLASTICS

 Belgium

Net EU contribution

€ 518 612,50

Address

IQ-PARKLAAN 2A

3650 Dilsen-Stokkem 

SME 

Yes

Region

Vlaams Gewest > Prov. Limburg (BE) > Arr. Maaseik

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

€ 740 875,00



NOVOZYMES A/S

 Denmark

Net EU contribution

€ 0,00

Address

Krogshøjvej 36

2880 Bagsvaerd 

Region

Danmark > Hovedstaden > Københavns omegn

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

€ 84 775,00



FORSCHUNGSZENTRUM JULICH GMBH

Germany

Net EU contribution

€ 628 642,50

Address

WILHELM JOHNEN STRASSE
52428 Julich

Region

Nordrhein-Westfalen > Köln > Düren

Activity type

Research Organisations

Links

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

Total cost

€ 628 642,50



EUROCORD

Belgium

Net EU contribution

€ 98 000,00

Address

ARCHIMEDESSTRAAT 17
1000 Bruxelles / Brussel

SME

Yes

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

€ 140 000,00



I-COATS

 Belgium

Net EU contribution

€ 127 750,00

Address

**KARDINAAL MERCIERLEI 29
2600 Antwerpen** 

SME 

Yes

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Antwerpen

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

€ 182 500,00



NEXIS FIBERS A.S.

 Slovakia

Net EU contribution

€ 0,00

Address

CHEMLONSKA 1

066 12 Humenne 

Region

Slovensko > Východné Slovensko > Prešovský kraj

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

€ 50 500,00



VAN BEELEN GROUP

 Netherlands

Net EU contribution

€ 65 625,00

Address

INDUSTRIESTRAAT 48

1976CV IJmuiden 

SME 

Yes

Region

West-Nederland > Noord-Holland > IJmond

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

€ 93 750,00



UNIVERSIDAD DE VIGO

Spain

Net EU contribution

€ 411 500,00

Address

LG CAMPUS LAGOAS MARCOSENDE
36310 Vigo Pontevedra

Region

Noroeste > Galicia > Pontevedra

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 411 500,00



QUANTIS

Switzerland

Net EU contribution

€ 309 750,00

Address

PARC SCIENTIFIQUE EPFL PSE D
1024 Ecublens Vd

SME

Yes

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

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

€ 442 500,00



BUNDESVERBAND DER DEUTSCHEN SPORTARTIKEL-INDUSTRIE (BSI) EV

 Germany

Net EU contribution

€ 68 950,00

Address

ADENAUERALLEE 134

53113 Bonn 

Region

Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 98 500,00



FVA SAS DI LOUIS FERRINI & C

 Italy

Net EU contribution

€ 285 000,00

Address

VIALE GORGIA DI LEONTINI 131

00124 Roma 

SME 

Yes

Region

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

€ 285 000,00



PAK GIDA URETIM VE PAZARLAMA ANONIM SIRKETI

 Türkiye

Net EU contribution

€ 0,00

Address

PROF. DR BULENT TARCAN CAD. ENGIN PAK IS MERKEZI N GAYRETEPPE MAH
41135 Istanbul 

Region

Doğu Marmara > Kocaeli > Kocaeli

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

€ 55 000,00

Last update: 12 December 2024

Permalink: <https://cordis.europa.eu/project/id/887711>

European Union, 2025

