

Imperial College London Participation

Marie Sklodowska Curie Actions Doctoral Networks

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Introduction

This booklet comprises the Projects under the Marie Skłodowska Curie Actions Doctoral Network scheme that Imperial participates in as an Associated Partner. Funding from UKRI Horizon Guarantee.

Harmonising and Unifying Blood Metabolomic Analysis Networks

Fact Sheet

Project Information

HUMAN

Grant agreement ID: 101073062

DOI

[10.3030/101073062](https://doi.org/10.3030/101073062) 

Start date

1 February 2023

End date

31 January 2027

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 582 503,20

Coordinated by

ARISTOTELIO PANEPISTIMIO
THESSALONIKIS

 Greece

Objective

Metabolomics provides a real-time view of the metabolic state of the examined samples. The past decade the field showed strong growth, however limitations intrinsic to the field hinder further application in epidemiology level. Key obstacles include: variety of analyte molecular structures, slow marker identification, large differences in concentrations, poor validation, incomplete combination of data from different analyses and fragmentation of research. The consortium brings together scientists from different complementary disciplines and sectors to collaborate and set a research training network, combining infrastructure experience, knowledge and skills. The research scope is to identify the source of problems that hinder development, and recommend measures to overcome these. Training through research will promote a new generation of omics researchers. Networking, joining

forces via secondments will enhance research productivity transfer of knowledge. The project will train 10 ESRs in work-packages aiming toward improvement of design of experiment, harmonization of analytical methods, improved Data Mining and biochemical pathway analysis and translational research. Application will be in the study of blood metabolome of exhaustive physical exercise.

We aim to study sample stability & preparation (including blood and alternative forms such as dried blood spots), biomarker identification, exploitation of multiple datasets, promote standard procedures, develop robust pipelines, develop and implement machine searchable notations of metadata, central database for data storage, compare datasets, automate cross-laboratory data combination, develop novel algorithms for multidimensional data mining and reconstruct biochemical pathways. The overall goal is to train the ESRs in cutting edge metabolomics research and at the same time provide proof of concept of democratizing metabolomics by the use of patient centric sampling.

Keywords

[LC-MS](#)

[blood](#)

[dried blood spots](#)

[metabolic profiling](#)

[biomarker discovery](#)

[annotation](#)

[identification](#)

[statistical analysis](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN -](#)

Coordinator



ARISTOTELIO PANEPISTIMIO THESSALONIKIS

Net EU contribution

€ 720 295,20

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Greece

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00

Participants (6)



FUNDACION UNIVERSITARIA SAN PABLO-CEU

Spain

Net EU contribution

€ 251 971,20

Address

**C isaac peral 58
28040 Madrid**

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT GMBH

 Germany

Net EU contribution

€ 521 078,40

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Ingolstadter landstrasse 1

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Region

Bayern > Oberbayern > München, Landkreis

Activity type

Research Organisations

Links

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

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

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Other funding

€ 0,00



FRIEDRICH-SCHILLER-UNIVERSITÄT JENA

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Address

Fürstengraben 1

07743 Jena 

Region

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Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ACCADEMIA EUROPEA DI BOLZANO

 Italy

Net EU contribution

€ 259 437,60

Address

Viale druso 1

39100 Bolzano 

Region

Nord-Est > Provincia Autonoma di Bolzano/Bozen > Bolzano-Bozen

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT

 France

Net EU contribution

€ 282 693,60

Address

147 rue de l'universite

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Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



AFEKTA TECHNOLOGIES LTD

+ Finland

Net EU contribution

€ 286 488,00

Address

Jynkanniementie 30

71800 Siilinjärvi 

SME 

Yes

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Savo

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](#) 

Other funding

€ 0,00

Partners (15)



NEOTERYX LIMITED ⓘ

United Kingdom

Net EU contribution

€ 0,00

Address

Victoria house victoria road

WA15 9AF Hale altrincham

SME ⓘ

Yes

Region

North West (England) > Greater Manchester > Greater Manchester South West

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](#)

Other funding

€ 0,00



FASMATECH EPISTIMONIKI KAI TECHNOLOGIKI ANONYMI ETAIREIA

Greece

Net EU contribution

€ 0,00

Address

**Patriarchou grigoriou e kai neapoleos, lefkippos technology park, ncsr demokritos,
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153 41 Agia paraskevi

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](#)

Other funding

€ 0,00



ANALYSI

Greece

Net EU contribution

€ 0,00

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54623 Tsessaloniki



SME

Yes

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

Other

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



Violetourgiki IKE (IMON International)

Greece

Net EU contribution

€ 0,00

Address

1, Iofos Nymfon Str.

145 65 Athens



Region

Αττική > Αττική > Ανατολική Αττική

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](#) 

Other funding

€ 0,00



TECHNISCHE UNIVERSITAET MUENCHEN

 Germany

Net EU contribution

€ 0,00

Address

Arcisstrasse 21

80333 Muenchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




ITA-SUOMEN YLIOPISTO

 Finland

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€ 0,00

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Yliopistonranta 1 e
70211 Kuopio 

Region

Manner-Suomi > **Pohjois- ja Itä-Suomi** > **Pohjois-Savo**

Activity type

Higher or Secondary Education Establishments

Links

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITE PAUL SABATIER TOULOUSE III

 France

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€ 0,00

Address

Route de narbonne 118

31062 Toulouse cedex 9 

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Occitanie > **Midi-Pyrénées** > **Haute-Garonne**

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



Bright Giant GmbH

 Germany

Net EU contribution

€ 0,00

Address

Hans-knöll-str. 6
07745 Jena 

SME 

Yes

Region

Thüringen > Thüringen > Jena, Kreisfreie Stadt

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](#) 

Other funding

€ 0,00



CAPITAINER AB

 Sweden

Net EU contribution

€ 0,00

Address

Solna torg 19
171 45 Solna 

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](#) 

Other funding

€ 0,00



BRUKER DALTONICS GMBH & CO KG

Germany

Net EU contribution

€ 0,00

Address

Fahrenheitstrasse 4
28359 Bremen

Region

Bremen > Bremen > Bremen, Kreisfreie Stadt

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](#)

Other funding

€ 0,00



Physikit UG

Germany

Net EU contribution

€ 0,00

Address

C/o antler innovation gmbh novalisstrasse 10
10115 Berlin

SME

Yes

Region

Berlin > Berlin > Berlin

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



Marc Becker

 Germany

Net EU contribution

€ 0,00

Address

Führichstraße 70

81671 München 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

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](#)

Other funding

€ 0,00



Theta Biomarkers

Greece

Net EU contribution

€ 0,00

Address

Ethnikis antistaseos 50

551 33 Kalamaria

SME

Yes

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

Research Organisations

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



TRAJAN SCIENTIFIC EUROPE LTD

United Kingdom

Net EU contribution

€ 0,00

Address

14, vincent avenue, crownhill busin

MK8 0AB Milton keynes

SME 

Yes

Region

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

Activity type

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

Links

[Contact the organisation !\[\]\(de95854c7ee024cfadc48187bbb781b2_img.jpg\)](#)

[Participation in EU R&I programmes !\[\]\(3211b5d1d968fc1665909b34f9f16010_img.jpg\)](#)

[HORIZON collaboration network !\[\]\(6059a5aa8b4ca7bb793408023d6c6e42_img.jpg\)](#)

Other funding

€ 0,00

EC signature date 14 July 2022

Last update: 16 September 2022

Permalink: <https://cordis.europa.eu/project/id/101073062>

European Union, 2023

Technology-driven combinatorial therapy to rewire the spinal cord after injury

Fact Sheet

Project Information

ReWire

Grant agreement ID: 101073374

DOI

[10.3030/101073374](https://doi.org/10.3030/101073374) 

Start date

1 January 2023

End date

31 December 2026

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 666 836,80

Coordinated by

DWI LEIBNIZ-INSTITUT FÜR
INTERAKTIVE MATERIALIEN EV



Germany

Objective

ReWIRE will combine innovative translational neurotechnologies and rehabilitation interventions for the repair and restoration of neurological functions following injury of the spinal cord (SC). The proposed research program will equip next-generation scientists with unique skills to develop disruptive therapeutic solutions for patients with paralysis. Recent technological breakthroughs have triggered a paradigm shift in the conception of therapies aimed to restore function after spinal cord injury (SCI). Novel drug delivery systems and biomaterial bridges have been engineered to reduce secondary injury and scarring, to stimulate and guide regenerating nerve fibres across the lesion site, and to promote functional reconnection with intact tissue. Additionally, neuromodulation therapies can reactivate spinal circuits below a SCI, allowing people with chronic paralysis to regain voluntary control of walking. In

conjunction with rehabilitation, neurological recovery was promoted that persisted without neuromodulation, suggesting a rewiring of the SC as demonstrated in preclinical models. To bypass an injury, neuromodulation has been linked to brain signals to re-establish cortical control over spinal circuits by employing electrical nerve stimulation and robotic systems. Advances in robotics are significantly augmenting the impact of neurorehabilitation by inducing new natural “wired” connections. The aim of ReWIRE is to leverage all these technical and therapeutic breakthroughs in the framework of multiple PhD projects that will continuously interact to converge toward effective combinatorial treatments for SCI. ReWIRE will focus on three inter-woven objectives: i) establish an international, interdisciplinary, and intersectoral educational network, ii) build an SCI clinical data platform, and, iii) position Europe at the forefront of therapy for SCI.

Fields of science

[medical and health sciences](#) > [clinical medicine](#) > **[physiotherapy](#)**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > **[robotics](#)**

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-AG-UN - HORIZON Unit Grant](#)

Coordinator



DWI LEIBNIZ-INSTITUT FUR INTERAKTIVE MATERIALIEN EV

Net EU contribution

€ 781 617,60

Address

Forckenbeckstrasse 50

52074 Aachen

 **Germany** 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (7)



PEPSCAN THERAPEUTICS BV

 Netherlands

Net EU contribution

€ 274 370,40

Address

Zuidersluisweg 2

8243 RC Lelystad 

SME 

Yes

Region

Oost-Nederland > Flevoland > Flevoland

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](#) 

Other funding

€ 0,00




TECHNISCHE UNIVERSITAT HAMBURG

 Germany

Net EU contribution

€ 260 539,20

Address

Am schwarzenberg campus 1
21073 Hamburg 

Region

Hamburg > Hamburg > Hamburg

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




TECHNISCHE UNIVERSITEIT EINDHOVEN

 Netherlands

Net EU contribution

€ 274 370,40

Address

Groene Ioper 3
5612 AE Eindhoven 

Region

Zuid-Nederland > Noord-Brabant > Zuidoost-Noord-Brabant

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ONWARD MEDICAL NV

 Netherlands

Net EU contribution

€ 274 370,40

Address

High tech campus 32

5656 AE Eindhoven 

SME 

Yes

Region

Zuid-Nederland > Noord-Brabant > Zuidoost-Noord-Brabant

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](#) 

Other funding

€ 0,00



COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

 France

Net EU contribution

€ 282 693,60

Address

Rue leblanc 25
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Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



**SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO S
ANNA**

 Italy

Net EU contribution

€ 259 437,60

Address

Piazza martiri della liberta 33

56127 Pisa 

Region

Centro (IT) > Toscana > Pisa

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



WEARABLE ROBOTICS S.R.L.

 Italy

Net EU contribution

€ 259 437,60

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Via nazario sauro 10 san giuliano terme pi frazion tato
56017 Pisa 

SME 

Yes

Region

Centro (IT) > Toscana > Pisa

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](#) 

Other funding

€ 0,00

Partners (15)



ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

 Switzerland

Net EU contribution

€ 0,00

Address

Batiment ce 3316 station 1
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Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CENTRE HOSPITALIER UNIVERSITAIRE VAUDOIS

 Switzerland

Net EU contribution

€ 0,00

Address

Rue du bugnon 21

1011 Lausanne 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITAT ZURICH

 Switzerland

Net EU contribution

€ 0,00

Address

Ramistrasse 71

8006 Zurich 

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

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Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



KING'S COLLEGE LONDON

 United Kingdom

Net EU contribution

€ 0,00

Address

Strand

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Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITAETSKLINIKUM AACHEN

 Germany

Net EU contribution

€ 0,00

Address

Pauwelsstrasse 30
52074 Aachen 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW

 Netherlands

Net EU contribution

€ 0,00

Address

Kloveniersburgwal 29 het trippenhuis
1011 JV Amsterdam 

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type

Other

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



DEUTSCHES ZENTRUM FUR NEURODEGENERATIVE ERKRANKUNGEN EV

 Germany

Net EU contribution

€ 0,00

Address

Venusberg-campus 1/99

53127 Bonn 

Region

Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




Aachen Proteineers GmbH

 Germany

Net EU contribution

€ 0,00

Address

Arnold-sommerfeld-ring 2
52499 Baesweiler 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

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](#) 

Other funding

€ 0,00



Creoptix AG

 Switzerland

Net EU contribution

€ 0,00

Address

Zugerstrasse 76

8820 Waedenswil 

SME 

Yes

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

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](#) 

Other funding

€ 0,00



JOHANNES GUTENBERG-UNIVERSITAT MAINZ

 Germany

Net EU contribution

€ 0,00

Address

Saarstrasse 21

55122 Mainz 

Region

Rheinland-Pfalz > Rheinhessen-Pfalz > Mainz, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



MYOSWISS AG

 Switzerland

Net EU contribution

€ 0,00

Address

Hardturmstrasse 135

8005 Zurich 

SME 

Yes

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

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](#) 

Other funding

€ 0,00



THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

United States

Net EU contribution

€ 0,00

Address

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Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSITY OF BRITISH COLUMBIA

Canada

Net EU contribution

€ 0,00

Address

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V6T1Z1 Vancouver

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00




RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN

 Germany

Net EU contribution

€ 0,00

Address

Templergraben 55
52062 Aachen 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 15 July 2022

Last update: 15 September 2022

Permalink: <https://cordis.europa.eu/project/id/101073374>

European Union, 2023

Bridging Models at Different Scales To Design New Generation Fuel Cells for Electrified Mobility

Fact Sheet

Project Information

BLESSED

Grant agreement ID: 101072578

DOI

[10.3030/101072578](https://doi.org/10.3030/101072578) 

Start date

1 February 2023

End date

31 January 2027

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 3 505 345,20

Coordinated by

TOYOTA MOTOR EUROPE NV

 Belgium

Objective

To achieve the goals of the European Green Deal on climate neutrality, a 90% reduction in transport emissions is needed by 2050. The automotive industry urgently needs to accelerate the introduction of alternative powertrains for electrified vehicles. Hydrogen-powered Proton Exchange Membrane Fuel Cells (PEMFCs) are carbon-free power devices that meet these goals in both mobile and stationary applications. BLESSED aims at revolutionising the design process of next generation PEMFCs, to improve efficiency, durability and affordability for widespread use, with direct implications in clean energy and sustainable industry/mobility. BLESSED will train 15 Doctoral Candidates (DCs) to solve Multi-Scale (MS) engineering challenges, from the electrons up to the device level, through a unique combination of multi-

disciplinary computational methods with Machine Learning (ML) to bridge each length scale's highly accurate model to adjacent scales. Then, a top-down length scale approach will be followed to optimise PEMFC and its components. To this end, the 15 DCs will synergistically develop a unique MS computational framework for the all-scale PEMFC analysis/design, assisted by ML tools. This will allow the simultaneous consideration of complex physico-chemical phenomena occurring at all length scales, such as catalytically-assisted chemical reactions, contact of rough surfaces, mechanical/chemical degradation of membranes, fluid flows in porous media etc., at affordable computational cost. The proposed ID-network brings together world-class academic expertise on numerical modelling and simulation in electrochemistry, reacting flows, fluid mechanics, materials, optimisation methods and ML, with industrial developers. With a strong focus on industrial applications, BLESSED will develop methodologies and tools to exceed state-of-the-art in PEMFCs by minimising the Platinum group metal content and corrosion while maximising mass transport and electrical conductivity.

Fields of science

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

[natural sciences](#) › [physical sciences](#) › **[electromagnetism and electronics](#)**

[engineering and technology](#) › [mechanical engineering](#) › [vehicle engineering](#) › **[automotive engineering](#)**

[natural sciences](#) › [computer and information sciences](#) › **[computational science](#)**

[engineering and technology](#) › [environmental engineering](#) › [energy and fuels](#) › **[fuel cells](#)**

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-AG-UN - HORIZON Unit Grant](#)

Coordinator



TOYOTA MOTOR EUROPE NV

Net EU contribution

€ 525 240,00

Address

Bourgetlaan 60

1140 Bruxelles / brussel

 **Belgium** 

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

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (16)



ETHNICON METSOVION POLYTECHNION

 Greece

Net EU contribution

€ 120 049,20

Address

Heroon polytechniou 9 zographou campus

157 80 Athina 

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



FREUDENBERG TECHNOLOGY INNOVATION SE & CO. KG

 Germany

Net EU contribution

€ 390 808,80

Address

Hohnerweg 2-4

69469 Weinheim 

Region

Baden-Württemberg > Karlsruhe > Rhein-Neckar-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](#) 

Other funding

€ 0,00




AC2T RESEARCH GMBH

 Austria

Net EU contribution

€ 135 165,60

Address

Viktor kaplan strasse 2
2700 Wiener neustadt 

SME 

Yes

Region

Ostösterreich > Niederösterreich > Niederösterreich-Süd

Activity type

Other

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ASOUTI V & SIA OE

 Greece

Net EU contribution

€ 120 049,20

Address

Makras stoas 3
185 31 Piraeus 

SME 

Yes

Region

Αττική > Αττική > Πειραιάς

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](#) 

Other funding

€ 0,00



MATGENIX

Belgium

Net EU contribution

€ 131 310,00

Address

Rue armand bury(goz) 185

6534 Thuin

SME

Yes

Region

Région wallonne > Prov. Hainaut > Arr. Thuin

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](#)

Other funding

€ 0,00



SIMUNE ATOMISTICS SL

Spain

Net EU contribution

€ 125 985,60

Address

Avenida de tolosa 76

20018 Donostia san sebastian

SME

Yes

Region

Noreste > País Vasco > Gipuzkoa

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](#) 

Other funding

€ 0,00



FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

 Germany

Net EU contribution

€ 130 269,60

Address

Hansastraße 27c
80686 München 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ALBERT-LUDWIGS-UNIVERSITAET FREIBURG

 Germany

Net EU contribution

€ 130 269,60

Address

Fahnenbergplatz
79098 Freiburg 

Region

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



INSTITUT TEHNICKIH NAUKA SRPSKE AKADEMIJE NAUKA I UMETNOSTI - INSTITUTE OF TECHNICAL SCIENCES OF THE SERBIAN ACADEMY OF SCIENCES AND ARTS

Serbia

Net EU contribution

€ 105 422,40

Address

Ulica knez mihailova 35

11000 Belgrade

Region

Србија - север > Београдски регион > Београдска област

Activity type

Research Organisations

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



PANEPISTIMIO KRITIS

Greece

Net EU contribution

€ 240 098,40

Address

University campus gallos

74100 Rethimno 

Region

Νησιά Αιγαίου > Κρήτη > Ρέθυμνο

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

Net EU contribution

€ 424 040,40

Address

Rue michel ange 3

75794 Paris 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI DI TRIESTE

 Italy

Net EU contribution

€ 129 718,80

Address

Via bonomea 265

34136 Trieste 

Region

Nord-Est > Friuli-Venezia Giulia > Trieste

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



TECHNISCHE UNIVERSITAET WIEN

 Austria

Net EU contribution

€ 135 165,60

Address

Karlsplatz 13

1040 Wien 

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERZA V LJUBLJANI

 Slovenia

Net EU contribution

€ 121 089,60

Address

Kongresni trg 12

1000 Ljubljana 

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



AVL LIST GMBH

 Austria

Net EU contribution

€ 405 496,80

Address

Hans-list-platz 1

8020 Graz 

Region

Südösterreich > Steiermark > Graz

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](#) 

Other funding

€ 0,00




SOFTWARE COMPETENCE CENTER HAGENBERG GMBH

 Austria

Net EU contribution

€ 135 165,60

Address

Softwarepark 32 a
4232 Hagenberg 

Region

Westösterreich > Oberösterreich > Mühlviertel

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (7)



Wendelsbergs beräkningskemi AB

 Sweden

Net EU contribution

€ 0,00

Address

Kyrkvägen 7b
435 35 Mölnlycke 

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](#) 

Other funding

€ 0,00




FACULTY OF PHYSICS OF THE UNIVERSITY OF BELGRADE

 Serbia

Net EU contribution

€ 0,00

Address

Studentski trg 12-16
11001 Belgrade 

Region

Србија - север > Београдски регион > Београдска област

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITE CATHOLIQUE DE LOUVAIN

 Belgium

Net EU contribution

€ 0,00

Address

Place de l universite 1
1348 Louvain la neuve 

Region

Région wallonne > Prov. Brabant Wallon > Arr. Nivelles

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



OPENCFD LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

Unit 6 the courtyard eastern road
RG12 2XB Bracknell berkshire 

Region

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

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](#) 

Other funding

€ 0,00



Altair Engineering Single shareholder ltd

 Greece

Net EU contribution

€ 0,00

Address

9 χλμ Θεσσαλονίκης θέρμης - balkan center
570 01 Θεσσαλονικη 

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

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](#) 

Other funding

€ 0,00



UNIVERSITE DE PICARDIE JULES VERNE

 France

Net EU contribution

€ 0,00

Address

Chemin du thil

80025 Amiens 

Region

Hauts-de-France > Picardie > Somme

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 14 July 2022

Last update: 10 March 2023

Permalink: <https://cordis.europa.eu/project/id/101072578>

European Union, 2023

Intelligent circular lifecycles of industrial robots, outdoor power products, and electric vehicles

Fact Sheet

Project Information

iCircular3

Grant agreement ID: 101073508

DOI

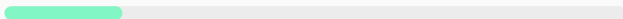
[10.3030/101073508](https://doi.org/10.3030/101073508) 

Start date

1 January 2023

End date

31 December 2026



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 228 500,80

Coordinated by

UNIVERSITY COLLEGE DUBLIN,
NATIONAL UNIVERSITY OF
IRELAND, DUBLIN

 Ireland

Project description

Innovative training network in circular economy

Circular product innovation is opening up new markets and a wealth of opportunities for businesses across the world. Funded by the Marie Skłodowska-Curie Actions programme, the iCircular3 project will initiate a training programme focused on circular economy to strengthen the research potential of young researchers in the field. The project consortium, which consists of three leading universities and four industry partners, will guide researchers on how to leverage digital technologies to

implement circular economy principles in a number of industries. These include industrial robots, outdoor power equipment and electric vehicles.

Fields of science

[engineering and technology](#) > [environmental engineering](#) > [waste management](#) > [waste treatment processes](#) > **[recycling](#)**

[social sciences](#) > [social geography](#) > [transport](#) > **[electric vehicles](#)**

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

Keywords

[resource efficiency](#)

[digital technology](#)

[lifecycle](#)

[industrial robot](#)

[electric vehicle](#)

[outdoor power products](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN

Net EU contribution

€ 572 976,00

Address

Belfield
4 Dublin

 **Ireland** 

Region

Ireland > Eastern and Midland > Dublin

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (5)



IOTA STIFTUNG

 Germany

Net EU contribution

€ 781 617,60

Address

Pappelallee 78 79

10437 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Other

Links

[Contact the organisation](#) 

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

Other funding

€ 0,00



KUKA ROBOTICS IRELAND LTD

 Ireland

Net EU contribution

€ 286 488,00

Address

**Ardee road unit 16 brewery business park
A91ATX4 Dundalk** 

Region

Ireland > Eastern and Midland > Mid-East

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](#) 

Other funding

€ 0,00




HUSQVARNA AB

 Sweden

Net EU contribution

€ 293 709,60

Address

**R&d department
561 82 Husqvarna** 

Region

Södra Sverige > Småland med öarna > Jönköpings län

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](#) 

Other funding

€ 0,00



STIFTELSEN HOGSKOLAN I JONKOPING 

 Sweden

Net EU contribution

€ 0,00

Address

Gjuterigatan 5

551 11 Jonkoping 

Region

Södra Sverige > Småland med öarna > Jönköpings län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



TEKNISKA HOGSKOLAN I JONKOPING AB

 Sweden

Net EU contribution

€ 293 709,60

Address

Po box 1026

551 11 Jonkoping 

Region

Södra Sverige > Småland med öarna > Jönköpings län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 


Other funding

€ 0,00

Partners (2)



FUTURE MOBILITY CAMPUS IRELAND COMPANY LIMITED BY GUARANTEE

 Ireland

Net EU contribution

€ 0,00

Address

Office 409 airport house airport avenue shannon free zone west shannon co clare
V14E370 Shannon 

SME 

Yes

Region

Ireland > Southern > Mid-West

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

**South kensington campus exhibition road
SW7 2AZ London** 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 2 June 2022

Last update: 23 August 2022

Permalink: <https://cordis.europa.eu/project/id/101073508>

European Union, 2023

Cell-free synthetic biology for combinatorial biosensor design

Fact Sheet

Project Information

SYNSENSO

Grant agreement ID: 101072980



DOI

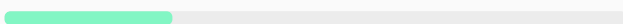
[10.3030/101072980](https://doi.org/10.3030/101072980)

Start date

1 September 2022

End date

31 August 2026



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 628 648,00

Coordinated by

TECHNISCHE UNIVERSITÄT
DARMSTADT



Germany

Objective

Recent advances in the field of synthetic biology offer an unprecedented opportunity for next-generation biosensors characterized by programmability, low-cost and by a sensitivity and specificity unmet by conventional sensors. Leveraging the rich toolset of synthetic biology, we can now not only build better biosensors but also analytical tools that can sense and discern complex analyte profiles, such as a panel of biomarkers indicative of a certain disease status. These cell-free biosensors developed within the SYNSENSO research program will be transformative for many domains of research and innovation, ranging from in-vitro diagnostics to health, environmental and bioprocess monitoring. Our ambition is to provide a game change in biosensing by combining cell-free synthetic biology with molecular sensor design. The SYNSENSO European doctoral network focuses on the construction of novel

programmable ligand-responsive elements and the construction of cell-free computing circuits that can integrate molecular signals from those elements. Together the two components will make up the next generation of combinatorial biosensors that can sense signals and compute a response to them. SYNSENSO aims for a modular approach where different responsive elements can be composed with different computing circuits enabling fast construction of suitable sensors for new application domains.

SYNSENSO brings together academic and industry leaders from the fields of synthetic biology, molecular sensor design and DNA nanotechnology. Our industry partners will provide a unique ecosystem for ten doctoral candidates of this network. Together with the external advisory board including experts from medical diagnostics they will work on concrete case studies for clinically relevant analytes. The SYNSENSO training program will empower them to perform world-class research and become academic or industry leaders in this new emerging field at the intersection of synthetic biology and biosensors.

Fields of science

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [sensors](#) > **[biosensors](#)**

[natural sciences](#) > [biological sciences](#) > **[synthetic biology](#)**

[natural sciences](#) > [biological sciences](#) > [genetics](#) > **[DNA](#)**

[engineering and technology](#) > **[nanotechnology](#)**

[natural sciences](#) > [biological sciences](#) > [ecology](#) > **[ecosystems](#)**

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-AG-UN - HORIZON Unit Grant](#)

Coordinator



TECHNISCHE UNIVERSITAT DARMSTADT

Net EU contribution

€ 781 617,60

Address

Karolinenplatz 5

64289 Darmstadt

 **Germany** 

Region

Hessen > Darmstadt > Darmstadt, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (5)



TECHNISCHE UNIVERSITEIT EINDHOVEN

 Netherlands

Net EU contribution

€ 548 740,80

Address

Groene Ioper 3

5612 AE Eindhoven 

Region

Zuid-Nederland > Noord-Brabant > Zuidoost-Noord-Brabant

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA

 Italy

Net EU contribution

€ 259 437,60

Address

Via morego 30

16163 Genova 

Region

Nord-Ovest > Liguria > Genova

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI ROMA TOR VERGATA

 Italy

Net EU contribution

€ 518 875,20

Address

Via cracovia 50

00133 Roma 

Region

Centro (IT) > Lazio > Roma

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)  

Other funding

€ 0,00



DYNAMIC BIOSENSORS GMBH

 Germany

Net EU contribution

€ 260 539,20

Address

Perchtinger strasse 8/10

81379 Munich 

SME 

Yes

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

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](#)  

Other funding

€ 0,00



ULISSE BIOMED

 Italy

Net EU contribution

€ 259 437,60

Address

Via cavour 20

33100 Udine 

Region

Nord-Est > Friuli-Venezia Giulia > Udine

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](#) 

Other funding

€ 0,00

Partners (8)



Abvance Biotech srl

 Spain

Net EU contribution

€ 0,00

Address

Av. reina victoria 32

28003 Madrid 

SME 

Yes

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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](#) 

Other funding

€ 0,00



ACCELOPMENT SCHWEIZ AG

Switzerland

Net EU contribution

€ 0,00

Address

Seefeldstrasse 198

8008 Zurich

SME

Yes

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

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](#)

Other funding

€ 0,00



LENIOBIO GMBH

Germany

Net EU contribution

€ 0,00

Address

Erkrather strasse 401

40231 Dusseldorf

SME

Yes

Region

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](#) 

Other funding

€ 0,00



BIOTECHNOLOGY RESEARCH AND INFORMATION NETWORK AG

 Germany

Net EU contribution

€ 0,00

Address

Darmstädter straÙe 34-36

64673 Zwingenberg 

SME 

Yes

Region

Hessen > Darmstadt > BergstraÙe

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](#) 

Other funding

€ 0,00




Nuclera Nucleics Ltd

 United Kingdom

Net EU contribution

€ 0,00

Address

**137 cambridge science park, milton road
CB4 0GD Cambridge** 

SME 

Yes

Region

East of England > East Anglia > Cambridgeshire CC

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](#) 

Other funding

€ 0,00




BIOMERIEUX SA

 France

Net EU contribution

€ 0,00

Address

**Chemin de l'orme
69280 Marcy l'etoile** 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Rhône

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road
SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




Department of Biology, University of Naples Federico II

 Italy

Net EU contribution

€ 0,00

Address

Via cinthia 7
80121 Naples 

Region

Sud > Campania > Napoli

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 13 July 2022
Last update: 12 September 2022

Permalink: <https://cordis.europa.eu/project/id/101072980>

European Union, 2023

Enhancing the Sustainability of PhotopolymERS ANd phoToiduced prOcesses

Fact Sheet

Project Information

ESPERANTO

Grant agreement ID: 101073432

DOI

[10.3030/101073432](https://doi.org/10.3030/101073432) 

Start date

1 February 2023

End date

31 January 2027

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 605 392,00

Coordinated by

POLITECNICO DI TORINO

 Italy

Project description

Sustainable photopolymerisation for industry progress

The fast-growing fields of polymers and composites require novel approaches to tailoring material systems and process cycles and developing new materials with controlled rheology, solidification kinetics and surface characteristics. With the support of the Marie Skłodowska-Curie Actions programme, the ESPERANTO project will improve the sustainability of photopolymers. By boosting the use of photopolymerisation processes in the industrial sector (to replace less sustainable processes), the project will develop greener and safer materials. The project will also train a new generation of researchers with advanced scientific skills and sustainability consciousness. Bringing together eight universities with eight non-

academic partners, ESPERANTO will reach its objectives through individual PhD projects addressing sustainable innovation within an international and intersectoral research network of academic institutions and enterprises.

Fields of science

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

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

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-AG-UN - HORIZON Unit Grant](#)

Coordinator



POLITECNICO DI TORINO

Net EU contribution

€ 778 312,80

Address

Corso duca degli abruzzesi 24

10129 Torino

 Italy 

Region

Nord-Ovest > Piemonte > Torino

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (5)



UNIVERSITE DE MONTPELLIER

 France

Net EU contribution

€ 282 693,60

Address

163 rue auguste broussonnet

34090 Montpellier 

Region

Occitanie > Languedoc-Roussillon > Hérault

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITE DE HAUTE ALSACE UHA

 France

Net EU contribution

€ 565 387,20

Address

Rue des freres lumiere 2
68093 Mulhouse 

Region

Grand Est > Alsace > Haut-Rhin

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




MONTANUNIVERSITAET LEOBEN

 Austria

Net EU contribution

€ 270 331,20

Address

Franz josef strasse 18
8700 Leoben 

Region

Südösterreich > Steiermark > Östliche Obersteiermark

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



POLYMER COMPETENCE CENTER LEOBEN GMBH

 Austria

Net EU contribution

€ 270 331,20

Address

Sauraugasse 1

8700 Leoben 

Region

Südösterreich > Steiermark > Östliche Obersteiermark

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



YILDIZ TECHNICAL UNIVERSITY

 Türkiye

Net EU contribution

€ 438 336,00

Address

Barbaros bulvari yildiz kampus

34349 Istanbul 

Region

İstanbul > İstanbul > İstanbul

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (10)



ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

Switzerland

Net EU contribution

€ 0,00

Address

Batiment ce 3316 station 1
1015 Lausanne

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



Logitech (Europe) SA

Switzerland

Net EU contribution

€ 0,00

Address

Borel innovation center, epfl innovation park, building k
1015 Lausanne

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

Activity type

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

Links

[Contact the organisation](#)

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

Other funding

€ 0,00



HELIOS TOVARNA BARV, LAKOV IN UMETNIH SMOL KOLICEVO DOO

 Slovenia

Net EU contribution

€ 0,00

Address

Kolicevo 65

1230 Domzale 

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

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](#) 

Other funding

€ 0,00



Kayalar Kimya San. ve Tic. A.S.

 Türkiye

Net EU contribution

€ 0,00

Address

Melek aras bulvarı

34956 Istanbul 

Region

İstanbul > İstanbul > İstanbul

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](#) 

Other funding

€ 0,00



ADLER-WERK LACKFABRIK JOHANNBERGHOFFER GMBH & CO KG

 Austria

Net EU contribution

€ 0,00

Address

Bergwerkstr. 22

6130 Schwaz 

Region

Westösterreich > Tirol > Tiroler Unterland

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](#) 

Other funding

€ 0,00



CENTRE TECHNIQUE DE L INDUSTRIE DESPAPIERS CARTONS ET CELLULOSES

 France

Net EU contribution

€ 0,00

Address

Domaine universitaire

38610 Gieres 

Region

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



SICPA SA

Switzerland

Net EU contribution

€ 0,00

Address

Avenue de florissant 41

1008 Prilly

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](#)

Other funding

€ 0,00



Microla Optoelectronics srl

Italy

Net EU contribution

€ 0,00

Address

Via moretta 45/a
10139 Torino 

SME 

Yes

Region

Nord-Ovest > Piemonte > Torino

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](#) 

Other funding

€ 0,00



Ecopack Spa

 Italy

Net EU contribution

€ 0,00

Address

Via della masolina 24

10060 Piobesi 

Region

Nord-Ovest > Piemonte > Torino

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

**South kensington campus exhibition road
SW7 2AZ London** 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 15 July 2022

Last update: 12 September 2022

Permalink: <https://cordis.europa.eu/project/id/101073432>

European Union, 2023

Modelling and control of flexible structures interacting with fluids

Fact Sheet

Project Information

ModConFlex

Grant agreement ID: 101073558

DOI

[10.3030/101073558](https://doi.org/10.3030/101073558) 

Start date

1 February 2023

End date

31 January 2027

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 707 473,60

Coordinated by

BERGISCHE UNIVERSITÄT
WUPPERTAL



Germany

Project description

Young researchers contribute to advances in the aerodynamics of flexible structures

The next generation of wind turbines and aircraft could harness more flexible designs leveraging active dynamic control to improve the performance of blades and wings, respectively. Designing such structures will require deep understanding of the physical processes involved. With the support of the Marie Skłodowska-Curie Actions programme, the ModConFlex project will bring together six leading universities to form a doctoral training programme to prepare the next generation of researchers on the modelling and control of flexible structures interacting with fluids (water and air). The academia-industry partnership will make important contributions

to control theory, AI and energy-based modelling within the context of flexible structures in fluid environments.

Fields of science

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > [aerospace engineering](#) > **[aircraft](#)**

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > [machine learning](#) > **[reinforcement learning](#)**

[natural sciences](#) > [physical sciences](#) > [classical mechanics](#) > [fluid mechanics](#) > **[fluid dynamics](#)**

[natural sciences](#) > [mathematics](#) > [applied mathematics](#) > **[dynamical systems](#)**

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > **[naval engineering](#)**

Keywords

[Flexible structure](#)

[fluid-structure interaction](#)

[reinforcement learning](#)

[adaptive internal model](#)

[model predictive control](#)

[port-Hamiltonian system](#)

[wind turbine](#)

[flexible aircraft](#)

[vibrations](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021](#)

Call for proposal

[HORIZON-MSCA-2021-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



BERGISCHE UNIVERSITAET WUPPERTAL

Net EU contribution

€ 521 078,40

Address

Gauss-strasse 20

42119 Wuppertal

 Germany 

Region

Nordrhein-Westfalen > Düsseldorf > Wuppertal, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (5)



TEL AVIV UNIVERSITY

 Israel

Net EU contribution

€ 542 865,60

Address

Ramat aviv

69978 Tel aviv 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITEIT TWENTE

 Netherlands

Net EU contribution

€ 274 370,40

Address

Drienerlolaan 5

7522 NB Enschede 

Region

Oost-Nederland > Overijssel > Twente

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



COMMUNAUTE D' UNIVERSITES ET ETABLISSEMENTS UNIVERSITE BOURGOGNE - FRANCHE - COMTE

 France

Net EU contribution

€ 282 693,60

Address

32 avenue de l'observatoire

25000 Besancon 

Region

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSITE DE BORDEAUX

France

Net EU contribution

€ 565 387,20

Address

Place pey berland 35

33000 Bordeaux

Region

Nouvelle-Aquitaine > Aquitaine > Gironde

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG

Germany

Net EU contribution

€ 521 078,40

Address

Schlossplatz 4
91054 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](#) 

Other funding

€ 0,00

Partners (11)



AIRBUS OPERATIONS LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

Pegasus house, aerospace avenue, filton

BS34 7PA Bristol 

Region

South West (England) > Gloucestershire, Wiltshire and Bristol/Bath area > Bath and North East Somerset, North Somerset and South Gloucestershire

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](#) 

Other funding

€ 0,00



DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV

Germany

Net EU contribution

€ 0,00

Address

Linder hohe

51147 Koln

Region

Nordrhein-Westfalen > Köln > Köln, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



SHERPA EUROPE SL

Spain

Net EU contribution

€ 0,00

Address

Calle legazpi 6

48950 Erando

SME

Yes

Region

Noreste > País Vasco > Bizkaia

Activity type

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

Links

[Contact the organisation](#)

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

Other funding

€ 0,00



IDOM CONSULTING, ENGINEERING, ARCHITECTURE S.A.U.

 Spain

Net EU contribution

€ 0,00

Address

Av zarandoa 23

48015 Bilbao 

Region

Noreste > País Vasco > Bizkaia

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](#) 

Other funding

€ 0,00



PA CONSULTING SERVICES LTD

 United Kingdom

Net EU contribution

€ 0,00

Address

Buckingham palace road 123

SW1W 9SR London 

Region

London > Inner London — West > Westminster

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](#) 

Other funding

€ 0,00



OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES

 France

Net EU contribution

€ 0,00

Address

Chemin de la huniere
91120 Palaiseau 

Region

Ile-de-France > Ile-de-France > Essonne

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




AIRBUS DEFENCE AND SPACE SA

 Spain

Net EU contribution

€ 0,00

Address

Avenida de aragon 404
28022 Getafe (madrid) 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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](#) 

Other funding

€ 0,00



SCRIPTORIA LTD

 United Kingdom

Net EU contribution

€ 0,00

Address

1 the hayloft 17a seely road

SW17 9QP London 

SME 

Yes

Region

London > Outer London — South > Merton

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](#) 

Other funding

€ 0,00




OFFSHORE RENEWABLE ENERGY CATAPULT

 United Kingdom

Net EU contribution

€ 0,00

Address

Offshore house albert street
NE24 1LZ Blyth northumberland 

Region

North East (England) > Northumberland and Tyne and Wear > Northumberland

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



THE UNIVERSITY OF WARWICK

 United Kingdom

Net EU contribution

€ 0,00

Address

Kirby corner road - university house
CV4 8UW Coventry 

Region

West Midlands (England) > West Midlands > Coventry

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 15 July 2022

Last update: 4 September 2022

Permalink: <https://cordis.europa.eu/project/id/101073558>

European Union, 2023

Data to Enable Transformation and Optimisation for Concrete Sustainability

Fact Sheet

Project Information

DETOCS

Grant agreement ID: 101119929

DOI

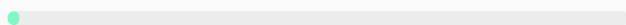
[10.3030/101119929](https://doi.org/10.3030/101119929) 

Start date

1 September 2023

End date

31 August 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 3 195 659,90

Coordinated by

FLSMIDTH AS

 Denmark

Objective

Cement production is responsible for 8% of global CO₂ emissions, mainly from limestone processing to produce clinker. Clinker can be replaced by other raw materials, such as clay, ashes, slags or recycled concrete fines. These materials can be processed into Supplementary Cementitious Materials (SCM), which have a lower CO₂ footprint than Portland Cement. DETOCS proposes a new approach to rapidly increase the use of SCMs on existing production facilities: by exploiting the latest innovations in digital tools to predict and control the quality of cement and concrete blends with high amounts of SCMs compared to today's standards. Our network aims to lay the scientific foundations to create knowledge and new models to study the production of high quality SCMs and their impact on low-carbon cement and concrete mixes. The goal is to reduce clinker factor from ca. 70% today to 40% by 2030 and 25% by 2035, targeting a CO₂ emissions of 0.2 t.CO₂/t.cement (compared

to today's global average of 0.65 t.CO₂/t.cement). At DETOCS, the partners combine top-notch scientific expertise, interdisciplinary know-how, engineering solutions and real-world process data into an industry-driven network. The structured approach combines complementary research for each individual project in the academic and industry sectors. The top-level research work is accompanied by a balanced mix of the newest scientific courses and transferable skills training delivered by each partner locally and in dedicated training schools, seminars, and workshops at the network level. This way, each doctoral candidate builds up deep scientific expertise and interdisciplinary knowledge to deliver game-changing cleantech innovations during and after the project. DETOCS is impact-driven and strives for a portfolio of high-class joint publications, patents, and innovations along the value chain. The project will lay the foundations for first-of-its-kind engineering solutions to decarbonize cement and concrete products.

Keywords

[Cement](#)

[Concrete](#)

[Carbon dioxide](#)

[Supplementary Cementitious Materials](#)

[Digital solutions](#)

[Innovation](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN-ID - HORIZON TMA MSCA Doctoral Networks - Industrial Doctorates](#)

Coordinator



FLSMIDTH AS

Net EU contribution

€ 829 917,00

Address

Vigerslev alle 77

2500 Valby

Denmark

Region

Danmark > Hovedstaden > Byen København

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](#)

Other funding

€ 0,00

Participants (8)



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

Net EU contribution

€ 282 693,60

Address

Rue michel ange 3

75794 Paris

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN

 Germany

Net EU contribution

€ 260 539,20

Address

Templergraben 55

52062 Aachen 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



TECHNISCHE UNIVERSITEIT DELFT

 Netherlands

Net EU contribution

€ 548 740,80

Address

Stevinweg 1

2628 CN Delft 

Region

West-Nederland > Zuid-Holland > Delft en Westland

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI PADOVA

 Italy

Net EU contribution

€ 259 437,60

Address

Via 8 febbraio 2

35122 Padova 

Region

Nord-Est > Veneto > Padova

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



INSTITUTE FOR HOUSING AND URBAN DEVELOPMENT STUDIES BV

 Netherlands

Net EU contribution

€ 274 370,40

Address

Burgemeester oudlaan 50

3062 PA Rotterdam 

Region

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



STATWOLF LIMITED

 Ireland

Net EU contribution

€ 143 244,00

Address

51/52 fitzwilliam square west

D02 X504 Dublin 

SME 

Yes

Region

Ireland > Eastern and Midland > Dublin

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](#) 

Other funding

€ 0,00



C2CA TECHNOLOGY BV

 Netherlands

Net EU contribution

€ 453 473,30

Address

Westkanaaldijk 2
3542 DA Utrecht 

Region

West-Nederland > Utrecht > Utrecht

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](#) 

Other funding

€ 0,00



MANNOK HOLDINGS DESIGNATED ACTIVITY COMPANY

 Ireland

Net EU contribution

€ 143 244,00

Address

2nd floor 1-2 victoria buildings haddington road
D04 XN32 Dublin 

Region

Ireland > Eastern and Midland > Dublin

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](#) 

Other funding

€ 0,00

Partners (9)



UNIVERSITY OF ABERDEEN

United Kingdom

Net EU contribution

€ 0,00

Address

King's college regent walk

AB24 3FX Aberdeen

Region

Scotland > North Eastern Scotland > Aberdeen City and Aberdeenshire

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



CEMENTOS ARGOS SA

 Colombia

Net EU contribution

€ 0,00

Address

Cr 43a 1a-143 sur torre norte
050022 Medellin 

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](#) 

Other funding

€ 0,00



ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

 Switzerland

Net EU contribution

€ 0,00

Address

Batiment ce 3316 station 1
1015 Lausanne 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

Switzerland

Net EU contribution

€ 0,00

Address

Raemistrasse 101

8092 Zuerich

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

United States

Net EU contribution

€ 0,00

Address

Massachusetts avenue 77

02139 Cambridge

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



ENVIRONMENTAL COALITION ON STANDARDS

 Belgium

Net EU contribution

€ 0,00

Address

Rue du commerce, 31

1000 Bruxelles 

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](#) 

Other funding

€ 0,00



ParticleTech ApS

 Denmark

Net EU contribution

€ 0,00

Address

Universitetsparken 7

4000 Roskilde 

SME 

Yes

Region

Danmark > Sjælland > Østsjælland

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](#) 

Other funding

€ 0,00




UNIVERSITE GRENOBLE ALPES

 France

Net EU contribution

€ 0,00

Address

**621 avenue centrale
38058 Grenoble** 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 13 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101119929>

European Union, 2023

Investigation and Control of Hydrogen flames Across the Scales

Fact Sheet

Project Information

ICHArUS

Grant agreement ID: 101120321

DOI

[10.3030/101120321](https://doi.org/10.3030/101120321) 

Start date

1 October 2023

End date

30 September 2027

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 681 280,00

Coordinated by

UNIVERSITA DEL SALENTO

 Italy

Objective

ICHArUS is a Doctoral Network aimed to train early-stage researchers, able to face current and future challenges in the field of innovative, edge-cutting technologies based on electro-magnetic assist to achieve full control of the hydrogen flames. ICHArUS has been built to provide doctoral training in a collaborative partnership between academic and industry partners who are major European gas turbine manufacturers. The aim of this partnership is thus to understand the physical processes that govern the interaction between hydrogen combustion and electro-magnetic fields at all flow scales to achieve such control and identify the key parameters that would allow for the design of an innovative, ultra-low NO_x and flashback-proof combustion device. The behavior of hydrogen flames under plasma discharge and electromagnetic conditioning offer the opportunity to strongly accelerate the path towards zero-carbon energy and transport sectors. Three

specific research objectives will be pursued: 1) Investigation and modelling of electromagnetic field effects on the species transport and chemical kinetics to unveil the effect of external electromagnetic fields on the reaction chemistry of hydrogen in both pure oxygen and air, and also determine any effects on the formation of pollutants. The effect of differential diffusion on the flame structure as opposed to electromagnetic drift will be also investigated. 2) Develop turbulence combustion models for low- and high-energy electromagnetic assisted combustion. The competing effects between electromagnetic drift and turbulence transport will be investigated and sub-grid scale closures for large-eddy simulations that consider the effect of electromagnetic fields and plasma will be developed. 3) Experimental and numerical investigation of innovative electromagnetic-assisted control technologies for the stabilisation of flames of practical interest. Both single swirl flames and annular configurations will be investigated

Fields of science

[natural sciences](#) > [physical sciences](#) > [electromagnetism and electronics](#) > [electromagnetism](#)

Keywords

[hydrogen combustion](#)

[plasma assisted combustion](#)

[electromagnetic field](#)

[large eddy simulations](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



UNIVERSITA DEL SALENTO

Net EU contribution

€ 518 875,20

Address

Piazza tancredi 7

73100 Lecce

 Italy 

Region

Sud > Puglia > Lecce

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (6)



INSTITUT NATIONAL POLYTECHNIQUE DE TOULOUSE

 France

Net EU contribution

€ 282 693,60

Address

Allee emile monso 6

31029 Toulouse cedex 4 

Region

Occitanie > Midi-Pyrénées > Haute-Garonne

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



TECHNISCHE UNIVERSITEIT DELFT

 Netherlands

Net EU contribution

€ 274 370,40

Address

Stevinweg 1

2628 CN Delft 

Region

West-Nederland > Zuid-Holland > Delft en Westland

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CENTRE EUROPEEN DE RECHERCHE ET DEFORMATION AVANCEE EN CALCUL SCIENTIFIQUE

 France

Net EU contribution

€ 565 387,20

Address

Avenue g coriolis 42
31057 Toulouse cedex 

Region

Occitanie > Midi-Pyrénées > Haute-Garonne

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](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI FIRENZE

 Italy

Net EU contribution

€ 518 875,20

Address

**Piazza san marco 4
50121 Florence** 

Region

Centro (IT) > Toscana > Firenze

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



TECHNISCHE UNIVERSITAT BERLIN

 Germany

Net EU contribution

€ 260 539,20

Address

Strasse des 17 juni 135
10623 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV

 Germany

Net EU contribution

€ 260 539,20

Address

Linder hohe
51147 Koln 

Region

Nordrhein-Westfalen > Köln > Köln, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (6)



NUOVO PIGNONE TECNOLOGIE SRL

Italy

Net EU contribution

€ 0,00

Address

Via felice matteucci 2
50127 Firenze

Region

Centro (IT) > Toscana > Firenze

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](#)

Other funding

€ 0,00



THE PENNSYLVANIA STATE UNIVERSITY

United States

Net EU contribution

€ 0,00

Address

Technology center building 110
16802 7000 University park pa

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



THE UNIVERSITY OF SYDNEY

 Australia

Net EU contribution

€ 0,00

Address

**Camperdown campus arundel st 71/79
2006 Sydney** 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



SAFRAN SA

 France

Net EU contribution

€ 0,00

Address

**Bldv du gal martial valin 2
75015 Paris** 

Region

Ile-de-France > Ile-de-France > Paris

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

United Kingdom

Net EU contribution

€ 0,00

Address

**South kensington campus exhibition road
SW7 2AZ London**

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSITY OF STUTTGART

Germany

Net EU contribution

€ 0,00

Address

**Keplerstrasse 7
70174 Stuttgart**

Region

Baden-Württemberg > Stuttgart > Stuttgart, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00

EC signature date 14 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101120321>

European Union, 2023

Next generation turbomachinery with two-phase flow

Fact Sheet

Project Information

Training42Phase

Grant agreement ID: 101120366

DOI

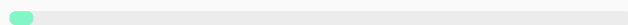
[10.3030/101120366](https://doi.org/10.3030/101120366) 

Start date

1 December 2023

End date

30 November 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 707 800,60

Coordinated by

DANMARKS TEKNISKE
UNIVERSITET

 Denmark

Objective

The green transition of energy systems requires the implementation of a number of novel emerging energy conversion technologies based on turbomachinery with two-phase flow. However, the current level of knowledge and understanding of two-phase flow in turbomachinery is at a very low level, urgently calling for the need of education of scientists that can support the development of such technologies. The aim of Training42Phase is to educate the future leading scientists within turbomachinery with two-phase flow, thereby providing the scientific and technological basis required for the development of the next generation of turbomachinery. The project consortium includes all the key partners needed to address these challenging tasks and provide our group of 10 doctoral candidates with the best foundation for solving these challenges – leading European universities, and industrial partners from large

international companies and SMEs, representing technology suppliers and providers of digitalized solutions. Training42phase will provide a first of its kind excellent training for 10 doctoral candidates within the following fields:

- 1) Innovative technological solutions that enable the design of cost-effective and reliable turbomachinery with two-phase flow.
- 2) Cutting-edge multi-disciplinary training in all fields related to the modelling, design, optimization and performance prediction of turbomachinery with two-phase flow, including aero-thermal modelling and design, stress and fatigue analysis, structural dynamics, hybrid/data-driven failure mechanism models, advanced optimization methods and data-driven analytic techniques based on machine learning.
- 3) Application of turbomachinery with two-phase flow to emerging novel technologies.
- 4) Top-level training in transferable skills, such as research and data management, scientific integrity and ethics, intellectual property rights and entrepreneurship, business planning, career planning and grant proposal writing.

Fields of science

[social sciences](#) › [economics and business](#) › [business and management](#) › [entrepreneurship](#)

[natural sciences](#) › [computer and information sciences](#) › [artificial intelligence](#) › [machine learning](#)

[engineering and technology](#) › [environmental engineering](#) › [energy and fuels](#) › [energy conversion](#)

Keywords

[Turbomachinery](#)

[compressor](#)

[turbine](#)

[two-phase flow](#)

[aero-thermodynamics](#)

[thermodynamics](#)

[fluid mechanics](#)

[stress and fatigue analysis](#)

[structural dynamics](#)

[machine learning](#)

[optimization](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



DANMARKS TEKNISKE UNIVERSITET

Net EU contribution

€ 1 081 407,00

Address

Anker engelunds vej 101

2800 Kongens lyngby

 **Denmark** 

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](#) 

Other funding

€ 0,00

Participants (3)




POLITECNICO DI MILANO

 **Italy**

Net EU contribution

€ 518 875,20

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](#) 

Other funding

€ 0,00



CENTRALESUPELEC

 France

Net EU contribution

€ 848 080,80

Address

Plateau de moulon 3 rue joliot curie
91192 Gif sur yvette 

Region

Ile-de-France > Ile-de-France > Essonne

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



EXERGY INTERNATIONAL SRL



Italy

Net EU contribution

€ 259 437,60

Address

Via santa rita 14

21057 Olgiate olona 

Region

Nord-Ovest > Lombardia > Varese

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](#) 

Other funding

€ 0,00

Partners (8)



ENOGIA

 France

Net EU contribution

€ 0,00

Address

19 avenue paul heroult

13015 Marseille 

SME 

Yes

Region

Provence-Alpes-Côte d'Azur > Provence-Alpes-Côte d'Azur > Bouches-du-Rhône

Activity type

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

Links

[Contact the organisation](#) 

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

Other funding

€ 0,00



NUOVO PIGNONE TECNOLOGIE SRL

 Italy

Net EU contribution

€ 0,00

Address

Via felice matteucci 2

50127 Firenze 

Region

Centro (IT) > Toscana > Firenze

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](#) 

Other funding

€ 0,00



DANFOSS A/S

 Denmark

Net EU contribution

€ 0,00

Address

Nordborgvej 81

6430 Nordborg 

Region

Danmark > Syddanmark > Sydjylland

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](#) 

Other funding

€ 0,00



Legendre Anthony Roger Pierre

 France

Net EU contribution

€ 0,00

Address



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](#) 

Other funding

€ 0,00



GE MEDICAL SYSTEMS SCS

 France

Net EU contribution

€ 0,00

Address

Rue de la miniere 283

78533 Buc 

Region

Ile-de-France > Ile-de-France > Yvelines

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](#) 

Other funding

€ 0,00



ROLLS-ROYCE PLC

 United Kingdom

Net EU contribution

€ 0,00

Address

Kings place 90 york way

N1 9FX London 

Region

London > Inner London — West > Camden and City of London

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



THE MATHWORKS

 France

Net EU contribution

€ 0,00

Address

The mathworks 2 rue de paris

92190 Meudon 

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](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 14 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101120366>

European Union, 2023

The doctoral rift science network for the energy transition

Fact Sheet

Project Information

TALENTS

Grant agreement ID: 101119486

DOI

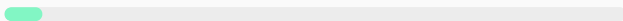
[10.3030/101119486](https://doi.org/10.3030/101119486) 

Start date

1 January 2024

End date

31 December 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 700 252,00

Coordinated by

HELMHOLTZ-ZENTRUM
POTSDAM DEUTSCHES
GEOFORSCHUNGSZENTRUM -
GFZ



Germany

Objective

TALENTS is a European based research network aiming to train early career researchers with the interdisciplinary, science-driven understanding and skills that are the foundation to develop new sustainable solutions for the global challenges of the energy transition. Our joint research focuses on continental rifts which are key regions for geothermal energy, carbon capture and storage, for new resources such as native hydrogen as well as high-risk human habitats due to geohazards such as earthquakes and volcanic activity. We believe that only if we better understand the natural process chains that shape rifts and passive continental margins by investigating key natural laboratories, characterising rift initiation (East African Rift),

rift maturation (Gulf of Corinth in Greece, Central European Rifts), and continental breakup (West Iberian margin), we will obtain key knowledge for a safe and sustainable exploration for new, carbon free energies.

TALENTS fuses research and training at 18 beneficiaries and academic partners that are among the world leaders in the study of rift systems and 11 companies that are actively involved in the energy transition. The 12 PhD projects address fundamental scientific aspects of rift system processes, collectively bridging several orders of magnitude of spatial and temporal scales. Each doctoral candidate is linked to (1) an academic partner to complement and broaden their scientific training, (2) to a dedicated industry partner to acquire industry-relevant skills and preview possible non-academic career paths, and (3) to a media contact to actively train in communicating their science to the public. Training by research and interaction will be complemented by various forms of education, spanning a wide range of topics to develop scientific and professional skills, to establish ethical standards and to widen career perspectives.

Fields of science

[natural sciences](#) > [earth and related environmental sciences](#) > [geology](#) > [seismology](#)

[engineering and technology](#) > [environmental engineering](#) > [carbon capture engineering](#)

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

Keywords

[Geodynamics](#)

[Geophysics](#)

[Geomorphology](#)

[Continental margins](#)

[Green energy](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



**HELMHOLTZ-ZENTRUM POTSDAM DEUTSCHES GEOFORSCHUNGSZENTRUM
- GFZ**

Net EU contribution

€ 521 078,40

Address

**Telegrafenberg 17
14473 Potsdam**

 **Germany** 

Region

Brandenburg > Brandenburg > Potsdam

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (6)



NORGES GEOLOGISKE UNDERSOKELSE

 Norway

Net EU contribution

€ 297 748,80

Address

Leiv eirikssonsv vei 39
7040 Trondheim 

Region

Norge > Trøndelag > Trøndelag

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI FIRENZE

 Italy

Net EU contribution

€ 518 875,20

Address

Piazza san marco 4
50121 Florence 

Region

Centro (IT) > Toscana > Firenze

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ΕΘΝΙΚΟ ΚΑΙ ΚΑΠΟΔΙΣΤΡΙΑΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ

 Greece

Net EU contribution

€ 240 098,40

Address

**6 christou lada str
10561 Athina** 

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITEIT UTRECHT

 Netherlands

Net EU contribution

€ 274 370,40

Address

**Heidelberglaan 8
3584 CS Utrecht** 

Region

West-Nederland > Utrecht > Utrecht

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ECOLE NORMALE SUPERIEURE

France

Net EU contribution

€ 282 693,60

Address

45, rue d'ulm

75230 Paris

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

Net EU contribution

€ 565 387,20

Address

Rue michel ange 3

75794 Paris

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (22)



UNIVERSITAET BERN

 Switzerland

Net EU contribution

€ 0,00

Address

Hochschulstrasse 6

3012 Bern 

Region

Schweiz/Suisse/Svizzera > Espace Mittelland > Bern / Berne

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CONSIGLIO NAZIONALE DELLE RICERCHE

 Italy

Net EU contribution

€ 0,00

Address

Piazzale aldo moro 7

00185 Roma 

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



Terrabotics Ltd

 United Kingdom

Net EU contribution

€ 0,00

Address

71-75 shelton street

WC2H 9JQ London 

SME 

Yes

Region

London > Inner London — West > Camden and City of London

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](#) 

Other funding

€ 0,00



SORBONNE UNIVERSITE

 France

Net EU contribution

€ 0,00

Address

21 rue de l'ecole de medecine
75006 Paris 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



45-8 GROUP

 France

Net EU contribution

€ 0,00

Address

30 rue bossuet
57000 Metz 

Region

Grand Est > Lorraine > 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](#) 

Other funding

€ 0,00



Deutsche Erdwärme GmbH & Co KG

 Germany

Net EU contribution

€ 0,00

Address

Ludwig-erhard-allee 10

76131 Karlsruhe 

SME 

Yes

Region

Baden-Württemberg > Karlsruhe > Karlsruhe, Stadtkreis

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](#) 

Other funding

€ 0,00



ORKUVEITA REYKJAVIKUR SF

 Iceland

Net EU contribution

€ 0,00

Address

Baejarhals 1

110 Reykjavik 

Region

Ísland > Ísland > Höfuðborgarsvæði

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](#) 

Other funding

€ 0,00



Reykjavik Geothermal ehf.

 Iceland

Net EU contribution

€ 0,00

Address

Suðurlandsbraut 18

105 Reykjavík 

Region

Ísland > Ísland > Höfuðborgarsvæði

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](#) 

Other funding

€ 0,00



EQUINOR ENERGY AS

 Norway

Net EU contribution

€ 0,00

Address

Forusbeen 50

4035 Stavanger 

Region

Norge > Vestlandet > Rogaland

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](#) 

Other funding

€ 0,00



ETHNIKO ASTEROSKOPEIO ATHINON

 Greece

Net EU contribution

€ 0,00

Address

Lofos nymfon

11810 Athina 

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ACRI ST SAS

 France

Net EU contribution

€ 0,00

Address

Route du pin montard 260

06904 Sophia antipolis cedex biot 

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](#)

Other funding

€ 0,00



KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT-KNMI

Netherlands

Net EU contribution

€ 0,00

Address

Utrechtseweg 297

3731 GA De bilt

Region

West-Nederland > Utrecht > Utrecht

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



THE UNIVERSITY OF BIRMINGHAM

United Kingdom

Net EU contribution

€ 0,00

Address

Edgbaston
B15 2TT Birmingham 

Region

West Midlands (England) > West Midlands > Birmingham

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



GEOSYSTEMS HELLAS IT KAI EFARMOGESGEOPLIROFORIAKON SYSTIMATON ANONIMIETAIREIA

 Greece

Net EU contribution

€ 0,00

Address

Imittou 225
11632 Athina 

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](#) 

Other funding

€ 0,00



REPSOL EXPLORACION SA

 Spain

Net EU contribution

€ 0,00

Address

Calle mendez alvaro 44
28045 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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](#) 

Other funding

€ 0,00



ADDIS ABABA UNIVERSITY

 Ethiopia

Net EU contribution

€ 0,00

Address

Addis ababa university
1176 Addis ababa 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CV ASSOCIES ENGINEERING

 France

Net EU contribution

€ 0,00

Address

1 che du busquet

64100 Bayonne 

SME 

Yes

Region

Nouvelle-Aquitaine > Aquitaine > Pyrénées-Atlantiques

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](#) 

Other funding

€ 0,00



UNIVERSITAET POTSDAM

 Germany

Net EU contribution

€ 0,00

Address

Am neuen palais 10

14469 Potsdam 

Region

Brandenburg > Brandenburg > Potsdam

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN

 Germany

Net EU contribution

€ 0,00

Address

Templergraben 55

52062 Aachen 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITE DE LORRAINE

 France

Net EU contribution

€ 0,00

Address

Cours leopold 34

54052 Nancy cedex 

Region

Grand Est > Lorraine > Meurthe-et-Moselle

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITE DE STRASBOURG

 France

Net EU contribution

€ 0,00

Address

Rue blaise pascal 4

67081 Strasbourg 

Region

Grand Est > Alsace > Bas-Rhin

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 13 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101119486>

European Union, 2023

Engineering biological signaling pathways using synthetic cells

Fact Sheet

Project Information

SIGSYNCELL

Grant agreement ID: 101119961

DOI

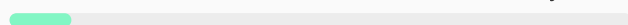
[10.3030/101119961](https://doi.org/10.3030/101119961) 

Start date

1 March 2024

End date

29 February 2028



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 672 589,60

Coordinated by

CENTRE NATIONAL DE LA
RECHERCHE SCIENTIFIQUE
CNRS

 France

Objective

Facing the challenges of the XXIst century related to climate, energy and health requires the development of new biotechnologies. Synthetic approaches of biology represent an opportunity for applications where living cells are inefficient, inadapted or undesired. Yet, 'Only cells can make cells' remains to date an unrefutable fundamental reality and constructing de novo living systems represents the new frontier of biotechnology. The IT industry developed over the years highly complex and integrated microsystems, based on building blocks such as the transistor and fundamental principles of electrodynamics and quantum physics. The analogon for biology must still be unraveled to develop the biotechnologies of the next century.

Our aim is to produce life-like systems of synthetic cells in interaction with their environment. We will train Doctoral Candidates to develop a toolbox of experimental building blocks, based upon soft microcompartments, molecular transporters, DNA nanotechnologies, optical technologies and microtechnologies, for the construction and integration of large population of interacting synthetic cells. Because they are built from scratch with a high-level of functional characterization and control, these cells will allow to unravel fundamental principle in life complexity and, at the same time, become integrable building blocks - analogon of the transistors of the IT industry - of a new type of biotechnology. They will pave the way for applications of synthetic cells addressing the pressing needs of the XXIst century, in energy harvesting, biomass and raw matter transformation, bio-remediation or therapeutics.

Our network based upon interdisciplinarity in research and innovation, will train the next generation of independent and responsible scientists to address pressing global challenges through the build up of fundamental knowledge and sustainable innovations.

Fields of science

[natural sciences](#) > [physical sciences](#) > [quantum physics](#)

[natural sciences](#) > [biological sciences](#) > [genetics](#) > [DNA](#)

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

[engineering and technology](#) > [nanotechnology](#)

[engineering and technology](#) > [other engineering and technologies](#) > [microtechnology](#)

Keywords

[Artificial cells](#)

[Bottom-up synthetic biology](#)

[DNA nanotechnology](#)

[Light responsive systems](#)

[Microfluidics](#)

[Molecular sensing](#)

[Active matter](#)

[DNA Origami](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

Net EU contribution

€ 848 080,80

Address

Rue michel ange 3

75794 Paris

 **France** 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (6)



STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN

 Netherlands

Net EU contribution

€ 274 370,40

Address

Winthontlaan 2
3526 KV Utrecht 

Region

West-Nederland > Utrecht > Utrecht

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



WESTFAELISCHE WILHELMS-UNIVERSITAET MUENSTER

 Germany

Net EU contribution

€ 521 078,40

Address

Schlossplatz 2
48149 Muenster 

Region

Nordrhein-Westfalen > Münster > Münster, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERZA V LJUBLJANI

 Slovenia

Net EU contribution

€ 242 179,20

Address

Kongresni trg 12

1000 Ljubljana 

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSIDAD DE GRANADA

 Spain

Net EU contribution

€ 251 971,20

Address

Cuesta del hospicio sn

18071 Granada 

Region

Sur > Andalucía > Granada

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



WAGENINGEN UNIVERSITY

 Netherlands

Net EU contribution

€ 274 370,40

Address

Droevendaalsesteeg 4
6708 PB Wageningen 

Region

Oost-Nederland > Gelderland > Veluwe

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



RUPRECHT-KARLS-UNIVERSITAET HEIDELBERG

 Germany

Net EU contribution

€ 260 539,20

Address

Seminarstrasse 2
69117 Heidelberg 

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (8)



UNIVERSITE DE BORDEAUX

 France

Net EU contribution

€ 0,00

Address

Place pey berland 35

33000 Bordeaux 

Region

Nouvelle-Aquitaine > Aquitaine > Gironde

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



TECHNISCHE UNIVERSITEIT DELFT

 Netherlands

Net EU contribution

€ 0,00

Address

Stevinweg 1
2628 CN Delft 

Region

West-Nederland > Zuid-Holland > Delft en Westland

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



Emulseo

 France

Net EU contribution

€ 0,00

Address

14 avenue pey berland

33600 Pessac 

Region

Nouvelle-Aquitaine > Aquitaine > Gironde

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](#) 

Other funding

€ 0,00




Allozymes PTE. LTD

 Singapore

Net EU contribution

€ 0,00

Address

3 biopolis drive
138623 Singapore 

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](#) 

Other funding

€ 0,00



DEVELOP DIVERSE APS

 Denmark

Net EU contribution

€ 0,00

Address

Vesterbrogade 149
1620 Kobenhavn 

SME 

Yes

Region

Danmark > Hovedstaden > Byen København

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](#) 

Other funding

€ 0,00



Badische Peptide und Proteine (BPP) GmbH

Germany

Net EU contribution

€ 0,00

Address

Waldshuter straÙe 5
68239 Mannheim

SME

Yes

Region

Baden-Württemberg > Karlsruhe > Mannheim, Stadtkreis

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](#)

Other funding

€ 0,00



UNIVERSITY COLLEGE LONDON

United Kingdom

Net EU contribution

€ 0,00

Address

Gower street
WC1E 6BT London

Region

London > Inner London — West > Camden and City of London

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road
SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 13 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101119961>

European Union, 2023

Yeast-based solutions for sustainable Aviation Fuels

Fact Sheet

Project Information

YAF

Grant agreement ID: 101120389

DOI

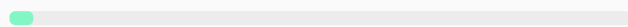
[10.3030/101120389](https://doi.org/10.3030/101120389) 

Start date

1 December 2023

End date

30 November 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 637 583,20

Coordinated by

Fundacion IMDEA Energia



Spain

Objective

Sustainable aviation fuels (SAF) are the only short-term alternative to fossil fuels in aviation. Considering the increased number of passengers forecasted in the near future, a massive increase in SAF production has been estimated in the years to come. To fulfill this increase in demand, the combination of existing and new renewable production chains is needed. Current SAF-producing pathways are at different levels of maturity, implementation or even commercialization. However, lowering the cost and supply chain development are key challenges for commercial-scale SAF deployment. Using biowastes as feedstock for SAF is challenging but necessary to make SAF competitive with fossil fuels. In this context, yeasts may be key players to generate economically-viable SAF intermediates (terpenes or fatty acids (FA)) in an environmentally-friendly way from biowaste. This SAF production by biological means is very new and presents a lot of remaining challenges and

training gaps that have to be addressed. YAF research programme aims at; i) producing carbon sources from biowastes, ii) developing new yeast cell factories to produce SAF, iii) designing new bifunctional catalysts, iv) achieving efficient strategies for FA/terpenes extraction, and v) creating robust framework tailored to the scaling-up methodologies and life-cycle sustainability assessment of different SAF producing routes, which will support decision-making. To achieve this, the right integration of biology, biotechnology, chemical engineering and environmental sciences will be required. Thus, the prime training/networking aim of YAF is to train the next generation of researchers in a highly interdisciplinary and intersectorial research environment such that they can soundly address upcoming challenges concerning production yeast-based SAF. YAF has been designed to strengthen European research and innovation, enhancing research visibility and generating a critical mass to address European (and global) challenges

Fields of science

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

[natural sciences](#) > [biological sciences](#) > [biochemistry](#) > [biomolecules](#) > **[lipids](#)**

[natural sciences](#) > [chemical sciences](#) > **[catalysis](#)**

[engineering and technology](#) > **[chemical engineering](#)**

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

Keywords

[sustainable aviation fuels](#)

[yeast](#)

[biowaste-derived carbon sources](#)

[terpenes](#)

[fatty acids](#)

[bifunctional catalysts](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



Fundacion IMDEA Energia

Net EU contribution

€ 503 942,40

Address

Avenida ramon de la sagra 3
28935 Mostoles madrid

 Spain 

Region

Comunidad de Madrid › Comunidad de Madrid › Madrid

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (6)



TALLINNA TEHNIKAÜLIKOOL

 Estonia

Net EU contribution

€ 477 014,40

Address

Ehitajate tee 5

12616 Tallinn



Region

Eesti > Eesti > Põhja-Eesti

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



DANMARKS TEKNISKE UNIVERSITET

Denmark

Net EU contribution

€ 603 576,00

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](#)

Other funding

€ 0,00



ABO AKADEMI

 Finland

Net EU contribution

€ 286 488,00

Address

Domkyrkotorget 3

20500 Abo 

Region

Manner-Suomi > Etelä-Suomi > Varsinais-Suomi

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CENTRO DE INVESTIGACIONES ENERGETICA MEDIOAMBIENTAL Y TECNOLOGICA

 Spain

Net EU contribution

€ 251 971,20

Address

Avenida Complutense 40

28040 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



COMPANIA ESPANOLA DE PETROLEOS SA

 Spain

Net EU contribution

€ 251 971,20

Address

Paseo de la castellana 259 a torre cepsa

28046 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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](#) 

Other funding

€ 0,00



BIO BASE EUROPE PILOT PLANT VZW

 Belgium

Net EU contribution

€ 262 620,00

Address

Rodenhuizekaai 1

9042 Desteldonk gent 

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](#) 

Other funding

€ 0,00

Partners (6)



UNIVERSIDAD REY JUAN CARLOS

Spain

Net EU contribution

€ 0,00

Address

Calle tulipan

28933 Mostoles

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSIDAD COMPLUTENSE DE MADRID

Spain

Net EU contribution

€ 0,00

Address

Avenida de seneca 2

28040 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITEIT GENT

 Belgium

Net EU contribution

€ 0,00

Address

Sint pietersnieuwstraat 25

9000 Gent 

Region

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

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



NUTROPY

 France

Net EU contribution

€ 0,00

Address

Genepole entreprises, campus 3, 4 rue pierre fontaine

91058 Evry-courcouronnes 

Region

Ile-de-France > Ile-de-France > Essonne

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](#) 

Other funding

€ 0,00



Saso Kocevar

 Germany

Net EU contribution

€ 0,00

Address

Steigerweg 55

69115 Heidelberg 

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road
SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 14 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101120389>

European Union, 2023

Cochlear implants and spatial hearing: Enabling access to the next dimension of hearing

Fact Sheet

Project Information

CherISH

Grant agreement ID: 101120054

DOI

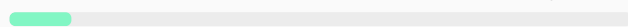
[10.3030/101120054](https://doi.org/10.3030/101120054) 

Start date

1 March 2024

End date

29 February 2028



Funded under

Marie Skłodowska-Curie Actions (MSCA)


Total cost

€ 0,00

EU contribution

€ 2 630 361,60

Coordinated by

EBERHARD KARLS
UNIVERSITAET TUEBINGEN
 Germany

Objective

The loss of inner hair cells in the cochlea causes deafness. Since the first trial of a cochlear implant in 1957, cochlear implants have been developed to the point where they can (re-)restore hearing and speech understanding in a large proportion of patients. Although spatial hearing is central to controlling and directing attention and to enabling speech understanding in noisy environments it has been largely neglected. In current implants, matching of binaural information, a basic prerequisite for spatial hearing, is not yet implemented. Furthermore, intensive rehabilitation programs are lacking. The here proposed interdisciplinary doctoral network in which physicians, psychologists and engineers collaborate, aims at the improvement of

spatial hearing in cochlear implant users. In ten different interconnected projects spatial hearing will be improved by (1) applying machine learning algorithms to identify sounds sources and to provide the information to CI users through visual or tactile spatial cues, (2) examining physiological impairments of spatial hearing in CI users and matching the imbalance of the binaural inputs, and by (3) patient-centered training programs that make use of virtual environments. The doctoral training network will provide the next generation of researchers and engineers that will have a good understanding of the multifaceted problems of spatial hearing and that will be equipped with expertise and skills to come up with innovative solutions in this field. The collaboration between academia and the private sector enables the realisation of new solutions for spatial hearing with CIs, thus enabling deaf patients to substantially improve their hearing.

Fields of science

[medical and health sciences](#) > [clinical medicine](#) > **[physiotherapy](#)**

[medical and health sciences](#) > [medical biotechnology](#) > **[implants](#)**

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > **[machine learning](#)**

Keywords

[otolaryngology](#)

[biomedical engineering](#)

[psychology](#)

[cochlear implants](#)

[spatial hearing](#)

[attention control](#)

[rehabilitation](#)

[plasticity](#)

[virtual reality](#)

[machine learning](#)

[neurophysiology](#)

[psychophysics](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



EBERHARD KARLS UNIVERSITAET TUEBINGEN

Net EU contribution

€ 781 617,60

Address

Geschwister-scholl-platz

72074 Tuebingen

 Germany 

Region

Baden-Württemberg > Tübingen > Tübingen, Landkreis

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (6)



UNIVERSITE LYON 1 CLAUDE BERNARD

 France

Net EU contribution

€ 565 387,20

Address

Boulevard du 11 novembre 1918 num43
69622 Villeurbanne cedex 





Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Rhône

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,00



OESTERREICHISCHE AKADEMIE DER WISSENSCHAFTEN

 Austria

Net EU contribution

€ 270 331,20

Address

Dr. ignaz seipel-platz 2
1010 Wien 





Region

Ostösterreich > Wien > Wien

Activity type

Research Organisations

Links

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

Other funding

€ 0,00



KATHOLIEKE UNIVERSITEIT LEUVEN

 Belgium

Net EU contribution

€ 262 620,00

Address

Oude markt 13

3000 Leuven 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



COCHLEAR BENELUX NV

 Belgium

Net EU contribution

€ 262 620,00

Address

Schalienhoevedreef 20 i

2800 Mechelen 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Mechelen

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](#) 

Other funding

€ 0,00



4D SOUND STUDIO NONPROFIT KFT

 Hungary

Net EU contribution

€ 228 348,00

Address

Nagytetyeni ut 48-50
1222 Budapest 

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI TRENTO

 Italy

Net EU contribution

€ 259 437,60

Address

Via calepina 14
38122 Trento 

Region

Nord-Est > Provincia Autonoma di Trento > Trento

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (5)



REACTIFY MUSIC LLP

United Kingdom

Net EU contribution

€ 0,00

Address

3 chapel way islington
N7 6RQ London

Region

London > Inner London — East > Haringey and Islington

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](#)

Other funding

€ 0,00



TERMESZETTUDOMANYI KUTATOKOZPONT

Hungary

Net EU contribution

€ 0,00

Address

Magyar tudosok korutja 2
1117 Budapest

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Higher or Secondary Education Establishments

Links

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


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

Other funding

€ 0,00



BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM

 Hungary

Net EU contribution

€ 0,00

Address

Muegyetem rakpart 3

1111 Budapest 

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Higher or Secondary Education Establishments

Links

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

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


[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITAT WIEN

 Austria

Net EU contribution

€ 0,00

Address

Universitätsring 1

1010 Wien 

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 13 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101120054>

European Union, 2023

Towards innovative and affordable sodium- and zinc-based electrochemical energy storage systems composed of more sustainable and locally-sourced materials

Fact Sheet

Project Information

eNargiZinc

Grant agreement ID: 101120311

DOI

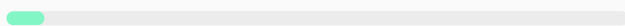
[10.3030/101120311](https://doi.org/10.3030/101120311) 

Start date

1 January 2024

End date

31 December 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 055 304,80

Coordinated by

UNIVERSIDAD DE ZARAGOZA



Spain

Objective

Electrochemical energy storage (EES) is crucial in the carbon-neutral future. Nevertheless, the current battery value chain has significant risks, especially concerning the supply of critical raw materials. eNargiZinc aims at developing new knowledge, technology and commercially exploitable products related to innovative and affordable next-generation EES devices, targeting long-term sustainability through the use of abundant and renewable materials and low environmental-impact production processes. A rigorous training-through-research programme for eleven

Doctoral Candidates (DCs)—eight DCs funded by the EU and three DCs funded by the UK national funding agency (UKRI)—has been designed through an interdisciplinary and intersectoral approach, involving studies on all the essential parts needed to develop sodium-ion batteries, zinc-air batteries, and zinc-ion batteries/supercapacitors. The research within eNargiZinc will focus on developing sustainable electrode materials (biomass-derived carbons and their composites, redox-active polymers, hybrid transition metal oxides, and interphases for anode-less concepts), electrolytes (solid-state and gel-polymer types), and, especially, on integrating all the developed components into full cells at an industrially-relevant scale. A Personalised Training Package for each DC will be tailored to allow them to acquire the required skills over the three years of employment within the network. To this aim, secondments to other partners (especially in the non-academic sector), training in complementary skills, and network-wide training events will be implemented. The consortium, which is composed of six beneficiaries and twelve associated partners, is addressed to achieve the objectives of eNargiZinc and is based on excellence, synergy and complementarity. Industrial partners will play a key role in the network, by providing the DCs with exposure to the private sector and access to industrially-relevant facilities, which are essential to validate the findings obtained at lab-scale.

Fields of science

[natural sciences](#) › [chemical sciences](#) › **[electrochemistry](#)**

[engineering and technology](#) › [materials engineering](#) › **[composites](#)**

[natural sciences](#) › [chemical sciences](#) › [inorganic chemistry](#) › **[alkali metals](#)**

[natural sciences](#) › [chemical sciences](#) › [inorganic chemistry](#) › **[inorganic compounds](#)**

[engineering and technology](#) › [environmental engineering](#) › **[mining and mineral processing](#)**

Keywords

[sodium-ion batteries](#)

[zinc-ion batteries](#)

[hybrid supercapacitors](#)

[zinc-air batteries](#)

[biomass-derived carbons](#)

[redox-active polymers](#)

[gel-polymer electrolytes](#)

[full-cell design and assembly](#)

Programme(s)

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



UNIVERSIDAD DE ZARAGOZA

Net EU contribution

€ 251 971,20

Address

Calle pedro cerbuna 12

50009 Zaragoza

 **Spain** 

Region

Noreste > Aragón > Zaragoza

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (5)



CONSORZIO INTERUNIVERSITARIO NAZIONALE PER LA SCIENZA E TECNOLOGIA DEI MATERIALI

 Italy

Net EU contribution

€ 778 312,80

Address

Via giusti 9

50121 Firenze 

Region

Centro (IT) > Toscana > Firenze

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



KARLSRUHER INSTITUT FUER TECHNOLOGIE

 Germany

Net EU contribution

€ 434 232,00

Address

Kaiserstrasse 12

76131 Karlsruhe 

Region

Baden-Württemberg > Karlsruhe > Karlsruhe, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



Fundacion IMDEA Energia

 Spain

Net EU contribution

€ 251 971,20

Address

Avenida ramon de la sagra 3
28935 Mostoles madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION, CIC ENERGIGUNE FUNDAZIOA

 Spain

Net EU contribution

€ 251 971,20

Address

Calle albert einstein 48 parque tecnologico de alava
01510 Minano alava 

Region

Noreste > País Vasco > Araba/Álava

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



VARTA MICROBATTERY GMBH

 Germany

Net EU contribution

€ 86 846,40

Address

Varta-platz 1

73479 Ellwangen jagst 

Region

Baden-Württemberg > Stuttgart > Ostalbkreis

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](#) 

Other funding

€ 0,00

Partners (12)



Deregallera Limited

 United Kingdom

Net EU contribution

€ 0,00

Address

Unit 2 de clare court, pontywindy industrial estate

CF83 3HU Caerphilly 

SME 

Yes

Region

Wales > West Wales and The Valleys > Gwent Valleys

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](#) 

Other funding

€ 0,00



MIDAC SPA

 Italy

Net EU contribution

€ 0,00

Address

Via alessandro volta 2

37038 Soave 

Region

Nord-Est > Veneto > Verona

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](#) 

Other funding

€ 0,00



UNIVERSIDAD DEL PAIS VASCO/ EUSKAL HERRIKO UNIBERTSITATEA

 Spain

Net EU contribution

€ 0,00

Address

Barrio sarriena s n
48940 Leioa 

Region

Noreste > País Vasco > Bizkaia

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



GEYSER BATTERIES OY

 Finland

Net EU contribution

€ 0,00

Address

Insinorinkatu 5
50150 Mikkeli 

SME 

Yes

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Etelä-Savo

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](#) 

Other funding

€ 0,00



GAZ Geräte- und Akkumulatorenwerk Zwickau GmbH

 Germany

Net EU contribution

€ 0,00

Address

Reichenbacher str. 62-68

08056 Zwickau 

Region

Sachsen > Chemnitz > Zwickau

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](#) 

Other funding

€ 0,00



BATTERYCARE SL

 Spain

Net EU contribution

€ 0,00

Address

Alava technology park c hermanos elhuyar 4 pabellon p6 of 6 edif ada lovelace

01510 Minano alava 

SME 

Yes

Region

Noreste > País Vasco > Araba/Álava

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](#) 

Other funding

€ 0,00



POLITECNICO DI TORINO

 Italy

Net EU contribution

€ 0,00

Address

Corso duca degli abruzzi 24

10129 Torino 

Region

Nord-Ovest > Piemonte > Torino

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI DI CAMERINO

 Italy

Net EU contribution

€ 0,00

Address

Piazza cavour 19f

62032 Camerino 

Region

Centro (IT) > Marche > Macerata

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSITA DEGLI STUDI GABRIELE D'ANNUNZIO DI CHIETI-PESCARA

 Italy

Net EU contribution

€ 0,00

Address

Via dei vestini 31

66013 Chieti 

Region

Sud > Abruzzo > Chieti

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



UNIVERSITA' DEGLI STUDI DI MILANO-BICOCCA

 Italy

Net EU contribution

€ 0,00

Address

Piazza dell'ateneo nuovo 1

20126 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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



THE UNIVERSITY OF WARWICK

 United Kingdom

Net EU contribution

€ 0,00

Address

Kirby corner road - university house
CV4 8UW Coventry 

Region

West Midlands (England) > West Midlands > Coventry

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 20 June 2023

Last update: 29 June 2023

Permalink: <https://cordis.europa.eu/project/id/101120311>

European Union, 2023

zero-CO₂ cemeNt ThRough cArBonation of cAlcium Silicates and aluminatES

Fact Sheet

Project Information

CONTRABASS

Grant agreement ID: 101119715

DOI

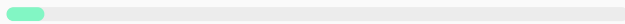
[10.3030/101119715](https://doi.org/10.3030/101119715) 

Start date

1 January 2024

End date

31 December 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 171 340,00

Coordinated by

UNIVERSIDAD DEL PAIS VASCO/
EUSKAL HERRIKO
UNIBERTSITATEA



Spain

Objective

CONTRABASS: zero-CO₂ cemeNt ThRough cArBonation of cAlcium Silicates and aluminatES.

We live in a world of concrete. According to the Global Cement and Concrete Association (GCCA) cement is consumed at a rate of ~150 tonnes each second, and it accounts for approximately 8% of all CO₂ emissions and 7% of industry energy use. In order to mitigate the negative environmental impacts of concrete, Carbon Capture and Utilization (CCU) is the best available strategy: the GCCA estimates that CCU technologies will represent up to 42% of the CO₂ reductions necessary to reach the net zero industrial objective in 2050. The CONTRABASS MSCA-DN will

act in this framework, in the pathway towards the zero-CO₂ cement and concrete production, building a high-quality doctorate network (DN) to investigate the fundamental physico-chemical processes governing the Carbonation of the clinker phases and the cement paste, as well as the subsequent formation of Calcium Carbonate Cements (CCCs).

The carbonation ability of clinker and cement is well known, yet for a full implementation of CCCs by 2050, there is an urgent need of fundamental knowledge on the carbonation process. In this scenario, the CONTRABASS DN aims to contribute to the global reduction of CO₂ emissions by accelerating the implementation of Calcium Carbonate Cements, developing fundamental knowledge, practical know-how, and a generation of well-trained specialists to overcome the main challenges identified by our industrial and academic partners. CONTRABASS has 5 main objectives:

1. To identify the carbonation mechanisms of the clinker components, specially calcium aluminates
2. To understand the carbonation processes of the C-S-H gel and the cement paste
3. To unravel the factors that govern CaCO₃ polymorphism, nucleation and growth rates
4. To build databases for thermodynamic and reactive-transport modelling of carbonation
5. To communicate effectively the benefits of CCCs to society, media and policy maker.s

Fields of science

[natural sciences](#) › [computer and information sciences](#) › [databases](#)

[natural sciences](#) › [chemical sciences](#) › [inorganic chemistry](#) › [inorganic compounds](#)

[natural sciences](#) › [chemical sciences](#) › [inorganic chemistry](#) › [alkaline earth metals](#)

[engineering and technology](#) › [environmental engineering](#) › [carbon capture engineering](#)

Keywords

[carbonation curing](#)

[cement recarbonation](#)

[calcium carbonate nucleation and growth](#)

[CO₂ reutilization](#)

[clinker hydration and carbonation](#)

Programme(s)

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



UNIVERSIDAD DEL PAIS VASCO/ EUSKAL HERRIKO UNIBERTSITATEA

Net EU contribution

€ 251 971,20

Address

Barrio sarriena s n

48940 Leioa

Spain

Region

Noreste > País Vasco > Bizkaia

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00

Participants (6)



RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN

 Germany

Net EU contribution

€ 260 539,20

Address

Templergraben 55
52062 Aachen 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



OULUN YLIOPISTO

 Finland

Net EU contribution

€ 286 488,00

Address

Pentti kaiteran katu 1
90014 Oulu 

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Pohjanmaa

Activity type

Higher or Secondary Education Establishments

Links

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

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

Other funding

€ 0,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

Net EU contribution

€ 565 387,20

Address

Rue michel ange 3
75794 Paris 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

 Norway

Net EU contribution

€ 297 748,80

Address

Hogskoleringen 1
7491 Trondheim 

Region

Norge > Trøndelag > Trøndelag

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITE GRENOBLE ALPES

 France

Net EU contribution

€ 282 693,60

Address

621 avenue centrale

38058 Grenoble 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE

 Poland

Net EU contribution

€ 226 512,00

Address

Al adama mickiewicza 30

30-059 Krakow 

Region

Makroregion południowy > Małopolskie > Miasto Kraków

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (12)



HEIDELBERG MATERIALS AG

 Germany

Net EU contribution

€ 0,00

Address

Berliner strasse 6
69120 Heidelberg 

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

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](#) 

Other funding

€ 0,00




HOLCIM INNOVATION CENTER SAS

 France

Net EU contribution

€ 0,00

Address

95 rue du montmurier
38070 Saint quentin fallavier 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

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](#) 

Other funding

€ 0,00



TITAN CEMENT COMPANY AE

 Greece

Net EU contribution

€ 0,00

Address

Halkidos street 22a
111 43 Athina 

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](#) 

Other funding

€ 0,00



SIKA TECHNOLOGY AG

 Switzerland

Net EU contribution

€ 0,00

Address

Zugerstrasse 50
6340 Baar 

Region

Schweiz/Suisse/Svizzera > **Zentralschweiz** > **Zug**

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](#) 

Other funding

€ 0,00



CHRYSO

 France

Net EU contribution

€ 0,00

Address

19 place de la résistance
92445 Issy-les-moulineaux cedex 

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](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



Department of Civil Engineering, Indian Institute of Technology Madras (IITM)

 India

Net EU contribution

€ 0,00

Address

Indian institute of technology madras
600036 Chennai 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




UNIVERSITATEA TEHNICA CLUJ-NAPOCA

 Romania

Net EU contribution

€ 0,00

Address

Str memorandumului 28
400114 Cluj napoca 

Region

Macroregiunea Unu > Nord-Vest > Cluj

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITAET BERN

 Switzerland

Net EU contribution

€ 0,00

Address

Hochschulstrasse 6

3012 Bern 

Region

Schweiz/Suisse/Svizzera > Espace Mittelland > Bern / Berne

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



COMMUNAUTE D' UNIVERSITES ET ETABLISSEMENTS UNIVERSITE BOURGOGNE - FRANCHE - COMTE

 France

Net EU contribution

€ 0,00

Address

32 avenue de l'observatoire

25000 Besancon 

Region

Bourgogne-Franche-Comté > Franche-Comté > Doubs

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Spain

Net EU contribution

€ 0,00

Address

Calle serrano 117
28006 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

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

Other funding

€ 0,00



UNIVERSITY OF SURREY

United Kingdom

Net EU contribution

€ 0,00

Address

Stag hill
GU2 7XH Guildford

Region

South East (England) > Surrey, East and West Sussex > West Surrey

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road
SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 19 June 2023

Last update: 14 July 2023

Permalink: <https://cordis.europa.eu/project/id/101119715>

European Union, 2023

GLYCOprotein N-glycosylation from non-life to eukaryotes: a Doctoral Network to expand the knowledge on a ubiquitous posttranslational modification of proteins

Fact Sheet

Project Information

GLYCO-N

Grant agreement ID: 101119499

DOI

[10.3030/101119499](https://doi.org/10.3030/101119499)

Start date

1 February 2024

End date

31 January 2028

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 677 118,40

Coordinated by

UNIVERSITA DEGLI STUDI DI
NAPOLI FEDERICO II

 Italy

Objective

The GLYCO-N training network aims at training Doctoral Candidates (DCs) to acquire the skills to develop different innovative strategies to 1) understand the diversity and structural complexity of archaeal, microalgal and viral N-glycosylation and 2) harness this knowledge for new solutions in biomedicine and biotechnology. Protein N-glycosylation, or the attachment of oligo- and polysaccharides at specific asparagine residues, is conserved throughout life, and is now observed even in the viral world. In contrast to eukaryotes, whose well-studied N-glycosylation machineries are relatively simple, archaea, microalgae and bacteria utilize a wide

variety of monosaccharides to create a wealth of structurally diverse N-glycans, and the same holds true for some recently discovered viruses. Because protein glycosylation occurs far downstream of protein synthesis the complexity and diversity in N-glycan structures are poorly understood in detail. This holds true specifically for N-glycosylation events that are the subject of the GLYCO-N program: those in archaea, microalgae and viruses.

Understanding of the how and why of N-glycosylation in archaea, microalgae and viruses will open up many possibilities ranging from drug discovery (antivirals) to biotechnology (glycoprotein and glycoprocessing enzyme engineering for materials and life sciences).

The GLYCO-N network brings together a diverse group of glycobiology researchers with world-leading expertise in microbiology, (bio)organic chemistry, computational and structural biology, bioinformatics and chemical biology. The GLYCO-N DCs will have their own individual project with one GLYCO-N expert and will, through research internships, be exposed to complementary Glycoscience. All individual PhD projects, while rooted in fundamental science, have a practical application, either in biotechnology or in biomedicine, as will be explored through secondments with our associated partners.

Fields of science

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > **[drug discovery](#)**

[natural sciences](#) > [biological sciences](#) > [microbiology](#) > **[virology](#)**

[natural sciences](#) > [biological sciences](#) > [biochemistry](#) > [biomolecules](#) > **[carbohydrates](#)**

[natural sciences](#) > [biological sciences](#) > [biochemistry](#) > [biomolecules](#) > [proteins](#) > **[enzymes](#)**

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > [pharmaceutical drugs](#) > **[antivirals](#)**

Keywords

[N-glycans](#)

[Glycoengineering](#)

[Carbohydrate processing enzymes](#)

[biomedicine](#)

[biotechnology](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022](#)

Call for proposal

[HORIZON-MSCA-2022-DN-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks](#)

Coordinator



UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II

Net EU contribution

€ 518 875,20

Address

Corso umberto i, 40

80138 Napoli

 **Italy** 

Region

Sud > Campania > Napoli

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Participants (6)



UNIVERSITEIT LEIDEN

 Netherlands

Net EU contribution

€ 548 740,80

Address

Rapenburg 70

2311 EZ Leiden 

Region

West-Nederland > Zuid-Holland > Agglomeratie Leiden en Bollenstreek

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOCIENCIAS

 Spain

Net EU contribution

€ 251 971,20

Address

Parque tecnologico edificio 801 a

48160 Derio vizcaya 

Region

Noreste > País Vasco > Bizkaia

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITAT DE BARCELONA

 Spain

Net EU contribution

€ 251 971,20

Address

Gran via de les corts catalanes 585
08007 Barcelona 

Region

Este > Catalunya > Barcelona

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00




DANMARKS TEKNISKE UNIVERSITET

 Denmark

Net EU contribution

€ 301 788,00

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](#) 

Other funding

€ 0,00



UNIVERSITE DE ROUEN NORMANDIE

 France

Net EU contribution

€ 282 693,60

Address

Rue thomas becket 1 mont saint aignan

76821 Mont saint aignan cedex 

Region

Normandie > Haute-Normandie > Seine-Maritime

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



UNIVERSITAET DUISBURG-ESSEN

 Germany

Net EU contribution

€ 521 078,40

Address

Universitätsstrasse 2

45141 Essen 

Region

Nordrhein-Westfalen > Düsseldorf > Essen, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

Partners (9)



ATLAS MOLECULAR PHARMA SL

 Spain

Net EU contribution

€ 0,00

Address

Bizkaiko teknologi elkartegia 800

48160 Derio 

SME 

Yes

Region

Noreste > País Vasco > Bizkaia

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](#) 

Other funding

€ 0,00



Zelula Biopharma SL

 Spain

Net EU contribution

€ 0,00

Address

**Paseo de miramon 170 planta 3 (bic gipuzkoa)
20014 San sebastian** 

SME 

Yes

Region

Noreste > País Vasco > Gipuzkoa

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](#) 

Other funding

€ 0,00



Alga Biologics

 France

Net EU contribution

€ 0,00

Address

**67 rue du bouvreuil
76230 Isneauville** 

SME 

Yes

Region

Normandie > Haute-Normandie > Seine-Maritime

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](#) 

Other funding

€ 0,00



SAMABRIVA

 France

Net EU contribution

€ 0,00

Address

72 rue des jacobins
80000 Amiens 

Region

Hauts-de-France > Picardie > Somme

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](#) 

Other funding

€ 0,00



Isuschem s.r.l.

 Italy

Net EU contribution

€ 0,00

Address

Piazza carità, 32, 80134
80134 Napoli 

Region

Sud > Campania > Napoli

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](#) 

Other funding

€ 0,00



UNIVERSIDAD DEL PAIS VASCO/ EUSKAL HERRIKO UNIBERTSITATEA

Spain

Net EU contribution

€ 0,00

Address

Barrio sarriena s n

48940 Leioa

Region

Noreste > País Vasco > Bizkaia

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Other funding

€ 0,00



INNOVATION ACTA SRL

Italy

Net EU contribution

€ 0,00

Address

Via delle province 1

53100 Siena

SME

Yes

Region

Centro (IT) > Toscana > Siena

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](#) 

Other funding

€ 0,00



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 0,00

Address

South kensington campus exhibition road

SW7 2AZ London 

Region

London > Inner London — West > Westminster

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00



THE FRANCIS CRICK INSTITUTE LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

1 midland road

NW1 1AT London 

Region

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Other funding

€ 0,00

EC signature date 12 July 2023

Last update: 24 July 2023

Permalink: <https://cordis.europa.eu/project/id/101119499>

European Union, 2023