



Bringing EMPHASIS to operation: European Infrastructure for multi-scale Plant Phenomics and Simulation for food security in a changing climate

Fact Sheet

Project Information

EMPHASIS-GO

Grant agreement ID: 101079772

[Project website](#)



DOI

[10.3030/101079772](https://doi.org/10.3030/101079772)

EC signature date

12 July 2022

Start date

1 November 2022

End date

31 October 2025



Funded under

Research infrastructures

Total cost

€ 1 317 750,01

EU contribution

€ 1 317 750,00

Investment in EU policy priorities

Digital agenda Clean air

Artificial Intelligence Climate action

Biodiversity

Coordinated by

VIB VZW

Belgium

Project description

Bringing the EMPHASIS research infrastructure to operation

The European Strategy Forum on Research Infrastructures (ESFRI) has identified plant phenotyping as a priority and thus integrated the research infrastructure EMPHASIS into its roadmap. Since plant production is central in agriculture, food systems and bioeconomy applications, plant phenotyping is essential to addressing future challenges and most of the UN Sustainable Development Goals, like feeding a growing population and ensuring sustainability of agricultural land. The EU-funded EMPHASIS-GO project will bring the pan-European research infrastructure into operation, based on the achievements of the preparatory project EMPHASIS-Prep. It will lay the ground for providing services around plant phenotyping to researchers in Europe. Moreover, it will implement the legal, financial and organisational framework of EMPHASIS while also providing first services to researchers.

Fields of science (EuroSciVoc)

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

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

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

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



Keywords

[plant phenotyping](#)

[research infrastructure](#)

[service provision](#)

[bioeconomy](#)

[data management](#)

[governance](#)

Programme(s)

[HORIZON.1.3 - Research infrastructures](#)

MAIN PROGRAMME

[HORIZON.1.3.1 - Consolidating and Developing the Landscape of European Research Infrastructures](#)

Topic(s)

[HORIZON-INFRA-2021-DEV-02-02 - Consolidation of the research infrastructure landscape – Individual support for ESFRI projects](#)

Call for proposal

[HORIZON-INFRA-2021-DEV-02](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-CSA - HORIZON Coordination and Support Actions](#)

Coordinator



VIB VZW

Net EU contribution

€ 463 144,48

Total cost

€ 463 144,48

Address

SUZANNE TASSIERSTRAAT 1

9052 ZWIJNAARDE - GENT

 Belgium 

Region

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

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Participants (10)



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

 France

Net EU contribution

€ 188 375,00

Address

**147 RUE DE L'UNIVERSITE
75007 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](#) 

Total cost

€ 188 375,00



UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II

 Italy

Net EU contribution

€ 111 250,00

Address

**CORSO UMBERTO I, 40
80138 Napoli** 

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](#) 

Total cost

€ 111 250,00



UNIVERSITE CATHOLIQUE DE LOUVAIN

 Belgium

Net EU contribution

€ 39 250,00

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](#) 

Total cost

€ 39 250,00



THE HEBREW UNIVERSITY OF JERUSALEM

 Israel

Net EU contribution

€ 26 500,00

Address

EDMOND J SAFRA CAMPUS GIVAT RAM
91904 Jerusalem 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 26 500,00



INSTITUT ZA RATARSTVO I POVRTARSTVO INSTITUT OD NACIONALNOG ZNACAJA ZA REPUBLIKU SRBIJU

 Serbia

Net EU contribution

€ 17 000,00

Address

MAKSIMA GORKOG 30
21000 Novi Sad 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 17 000,00



UNIVERSIDADE NOVA DE LISBOA

 Portugal

Net EU contribution

€ 45 750,00

Address

CAMPUS DE CAMPOLIDE
1099 085 Lisboa 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 45 750,00



TARTU ULIKOOL

Estonia

Net EU contribution

€ 26 250,00

Address

ULIKOOLI 18

51005 Tartu

Region

Eesti > Eesti > Lõuna-Eesti

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 26 250,00



FORSCHUNGSZENTRUM JULICH GMBH

Germany

Net EU contribution

€ 325 980,52

Address

WILHELM JOHNEN STRASSE

52428 Julich

Region

Nordrhein-Westfalen > Köln > Düren

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 325 980,53



STICHTING WAGENINGEN RESEARCH

 Netherlands

Net EU contribution

€ 43 000,00

Address

DROEVENDAALSESTEEG 4
6708 PB Wageningen 

Region

Oost-Nederland > Gelderland > Veluwe

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 43 000,00



UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN

 Ireland

Net EU contribution

€ 31 250,00

Address

BELFIELD
4 Dublin 

Region

Ireland > Eastern and Midland > Dublin

Activity type

Higher or Secondary Education Establishments

Links

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

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

Total cost

€ 31 250,00

Partners (4)



PARTNER 


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](#) 

Total cost

No data



PARTNER 


EIDGENOESSISCHES DEPARTEMENT FUER WIRTSCHAFT, BILDUNG UND FORSCHUNG

 Switzerland

Net EU contribution

€ 0,00

Address

Bundeshaus Ost
3003 Bern 

Region

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

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](#) 

Total cost

No data



PARTNER 

THE UNIVERSITY OF NOTTINGHAM

 United Kingdom

Net EU contribution

€ 0,00

Address

University Park
NG7 2RD Nottingham 

Region

East Midlands (England) > Derbyshire and Nottinghamshire > Nottingham

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



PARTNER 

UNITED KINGDOM RESEARCH AND INNOVATION

 United Kingdom

Net EU contribution

€ 0,00

Address

POLARIS HOUSE NORTH STAR AVENUE

SN2 1FL Swindon 

Region

South West (England) > Gloucestershire, Wiltshire and Bristol/Bath area > Swindon

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 10 March 2023

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European Union, 2025