



LegumeLegacy – Optimising multiple benefits of grass, legume and herb mixtures in crop rotations: modelling mechanisms and legacy effects

Fact Sheet

Project Information

LegumeLegacy

Grant agreement ID: 101072579

DOI

[10.3030/101072579](https://doi.org/10.3030/101072579)

EC signature date

30 June 2022

Start date

1 February 2023

End date

31 January 2027

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

No data

EU contribution

€ 2 224 461,60

Coordinated by

THE PROVOST, FELLOWS,
FOUNDATION SCHOLARS & THE
OTHER MEMBERS OF BOARD,
OF THE COLLEGE OF THE HOLY
& UNDIVIDED TRINITY OF
QUEEN ELIZABETH NEAR
DUBLIN

 Ireland

Project description

Growing a truly sustainable agricultural sector

To feed and nourish a growing population, agriculture needs to be sustainable. The EU is committed to transitioning to carbon-neutral and sustainable systems of

agriculture. In this context, the Marie Skłodowska-Curie Actions project LegumeLegacy will apply the latest from the fields of ecology, agronomy, statistics and other fields to minimise nutrient inputs and leaching, while increasing carbon stocks, biodiversity and yield stability. LegumeLegacy will bring together 10 doctoral researchers to develop a model system of crop rotation, in the common experiment grassland plots of six species. The findings will be useful for the design of grassland leys within crop rotations that optimise agronomic and environmental performance.

Fields of science (EuroSciVoc)

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

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

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



Keywords

[Crop rotation](#)

[species interactions](#)

[Legacy effect](#)

[multispecies mixtures](#)

[grasslands leys](#)

[nitrogen](#)

[sustainability](#)

[sustainable agriculture](#)

[grasses](#)

[legumes](#)

[herbs](#)

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



THE PROVOST, FELLOWS, FOUNDATION SCHOLARS & THE OTHER MEMBERS OF BOARD, OF THE COLLEGE OF THE HOLY & UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN

Net EU contribution

€ 572 976,00

Total cost

No data

Address

**COLLEGE GREEN TRINITY COLLEGE
D02 CX56 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](#) 

Participants (5)



TEAGASC - AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY

 **Ireland**

Net EU contribution

€ 286 488,00

Address

Oak Park

R93 Carlow 

Region

Ireland > Southern > South-East

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



AARHUS UNIVERSITET

 Denmark

Net EU contribution

€ 603 576,00

Address

NORDRE RINGGADE 1

8000 Aarhus C 

Region

Danmark > Midtjylland > Østjylland

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



UNIWERSYTET PRZYRODNICZY W POZNANIU

 Poland

Net EU contribution

€ 226 512,00

Address

ULICA WOJSKA POLSKIEGO 28

60 637 Poznan 

Region

Makroregion północno-zachodni > Wielkopolskie > Miasto Poznań

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



UNIVERSITAET HOHENHEIM

 Germany

Net EU contribution

€ 260 539,20

Address

SCHLOSS HOHENHEIM

70599 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](#) 

Total cost

No data



STICHTING LOUIS BOLK INSTITUUT

 Netherlands

Net EU contribution

€ 274 370,40

Address

KOSTERIJLAND 3

3981 AJ Bunnik 

SME 

Yes

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

Partners (8)



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

Agriculture and Agri-Food Canada

Canada

Net EU contribution

€ 0,00

Address

Baseline road, 1341
K1A 0C5 Ontario

Activity type

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

Links

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

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

Total cost

No data



PARTNER 

COTSWOLD SEEDS LIMITED

 United Kingdom

Net EU contribution

€ 0,00

Address

COTSWOLD BUSINESS VILLAGE LONDON ROAD
GL56 0JQ Moreton In March 

SME 

Yes

Region

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

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



PARTNER 

WAGENINGEN UNIVERSITY

 Netherlands

Net EU contribution

€ 0,00

Address

DROEVENDAALSESTEEG 4
6708 PB Wageningen 

Region

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 

GOLDCROP LIMITED

 Ireland

Net EU contribution

€ 0,00

Address

SPRINGHILL CARRIGTWOHILL

T45 F685 Cork 

SME 

Yes

Region

Ireland > Southern > South-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](#) 

Total cost

No data



PARTNER 

**DANKO HODOWLA ROSLIN SPOLKA Z OGRANICZONA
ODPOWIEDZIALNOSCIA**

 Poland

Net EU contribution

€ 0,00

Address

CHORYN 27

64 000 Koscian 

Region

Makroregion północno-zachodni > Wielkopolskie > Leszczyński

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



PARTNER 

THE UNIVERSITY OF READING

 United Kingdom

Net EU contribution

€ 0,00

Address

WHITEKNIGHTS CAMPUS WHITEKNIGHTS HOUSE

RG6 6AH Reading 

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

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European Union, 2025

