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Linking farmland Biodiversity to Ecosystem seRvices for effective ecofunctional intensificATIOn

Fact Sheet

Project Information

LIBERATION

Grant agreement ID: 311781

[Project website](#) 

Project closed

Start date

1 February 2013

End date

31 January 2017

Funded under

Specific Programme "Cooperation": Food, Agriculture and Biotechnology

Total cost

€ 3 808 561,30

EU contribution

€ 2 997 630,00

Coordinated by

WAGENINGEN UNIVERSITY

 Netherlands

Objective

The next few decades will witness a rapidly increasing demand for agricultural products. This growing demand needs to be met largely through intensification (produce more from the same land surface) because there is little scope for an increase in agricultural area. Eco-functional intensification has been proposed as a promising solution. Eco-functional intensification is the optimization of all provisioning, regulating and supporting ecosystem services in the agricultural production process. LIBERATION aims to provide the evidence base for eco-

functional intensification and demonstrate the concept in seven representative agricultural landscape types in Europe. Using existing datasets from past and on-going European-scale studies we will first identify general relationships between the configuration of semi-natural habitats, on-farm management and biodiversity in a range of European landscapes and farming systems. Using a modelling approach we will link biodiversity to ecosystem services, by determining relationships between biodiversity, the delivery of multiple ecosystem services and agronomic yield. A novel aspect is that LIBERATION considers above- and below-ground ecosystem services simultaneously and analyses synergies and trade-offs between different ecosystem services. Using this modelling approach we will analyse which on-farm management practices and spatial configuration of semi-natural habitats optimizes yield and which optimizes farm income. We will synthesise management and policy recommendations. We will raise awareness and promote uptake of eco-functional intensification by disseminating project results to the widest possible range of stakeholders, amongst others by means of demonstration projects. This way we hope to liberate the forces of nature to the benefit of agricultural production.

Fields of science (EuroSciVoc)

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

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

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



Programme(s)

[FP7-KBBE - Specific Programme "Cooperation": Food, Agriculture and Biotechnology](#)

Topic(s)

[KBBE.2012.1.2-02 - Managing semi-natural habitats and on-farm biodiversity to optimise ecological services](#)

Call for proposal

FP7-KBBE-2012-6-singlestage

[See other projects for this call](#)

Funding Scheme

[CP-FP - Small or medium-scale focused research project](#)

Coordinator



WAGENINGEN UNIVERSITY

EU contribution

€ 33 223,10

Total cost

No data

Address

DROEVENDAALSESTEEG 4

6708 PB Wageningen

 **Netherlands** 

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](#) 

Participants (11)



KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW

 **Netherlands**

EU contribution

€ 264 806,00

Address

KLOVENIERSBURGWAL 29 HET TRIPPENHUIS

1011 JV AMSTERDAM 

Activity type

Research Organisations

Links

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

Total cost

No data



THE UNIVERSITY OF READING

United Kingdom

EU contribution

€ 439 276,00

Address

WHITEKNIGHTS CAMPUS WHITEKNIGHTS HOUSE
RG6 6AH Reading

Region

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

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



MAX IV Laboratory, Lund University

Sweden

EU contribution

€ 335 008,00

Address

Paradisgatan 5c
22100 LUND

Region

Södra Sverige > Sydsverige > Skåne län

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



SVERIGES LANTBRUKSUNIVERSITET

 Sweden
EU contribution
€ 339 600,00

Address
ALMAS ALLE 8
750 07 Uppsala 

Region
Östra Sverige > Östra Mellansverige > Uppsala län

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



JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG

 Germany
EU contribution
€ 354 998,00

Address
SANDERRING 2
97070 Wuerzburg 

Region
Bayern > Unterfranken > Würzburg, Kreisfreie Stadt

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



UNIVERSITAT BAYREUTH

Germany
EU contribution
€ 149 980,00

Address
UNIVERSITATSSTRASSE 30
95447 Bayreuth

Region
Bayern > Oberfranken > Bayreuth, Kreisfreie Stadt

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



HUN-REN OKOLOGIAI KUTATOKOZPONT

Hungary
EU contribution
€ 149 960,00

Address

KAROLINA UT 29
1113 Budapest 

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Research Organisations

Links

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

Total cost

No data



UNIVERSITA DEGLI STUDI DI PADOVA

 Italy

EU contribution

€ 219 944,00

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](#) 

Total cost

No data



UNIWERSYTET PRZYRODNICZY W POZNANIU

 Poland

EU contribution

€ 150 899,00

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



THE FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

 Italy

EU contribution

€ 219 997,00

Address

VIALE DELLE TERME DI CARACALLA
00153 Roma 

Region

Centro (IT) > Lazio > Roma

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](#) 

Total cost

No data



STICHTING WAGENINGEN RESEARCH

 Netherlands

EU contribution

€ 339 938,90

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

No data

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Permalink: <https://cordis.europa.eu/project/id/311781>

European Union, 2025