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Pesticide Use-and-risk Reduction in European farming systems with Integrated Pest Management

Fact Sheet

Project Information

PURE

Grant agreement ID: 265865

[Project website](#) 

Project closed

Start date

1 March 2011

End date

28 February 2015

Funded under

Specific Programme "Cooperation": Food, Agriculture and Biotechnology

Total cost

€ 12 354 824,30

EU contribution

€ 8 999 828,00

Coordinated by

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

 France

This project is featured in...



Going full circle with our wastewaters

Objective

To meet both the worldwide demand for food security and new environmental needs, agriculture must increase food production and quality while decreasing its ecological footprint. Ensuring sustainability and competitiveness with reduced pesticide inputs is a major challenge.

PURE will provide integrated pest management (IPM) solutions and a practical toolbox for their implementation in key European farming systems (annual arable and vegetable, perennial, and protected crops) in which reduction of pesticide use and better control of pests will have major effects. PURE will exploit recent advances in emerging technologies, plant-pest-enemies interactions, soil and landscape ecology and pest evolution to feed IPM solutions with innovative diagnostic and decision support systems, physical devices and bio-products, strategies for ecological pest regulation and improved durability of control methods.

For each selected farming system, PURE will combine existing methods with new tools and technologies into novel IPM solutions addressing the biological, agronomical and economical diversity in Europe. IPM solutions will range from easy to adopt combinations of tactical control methods to more ambitious solutions involving strategic changes at farm level. PURE will test the efficacy, practicability and relevance of IPM solutions under the agro-ecosystems and farming conditions of the main broad European regions by on-station and on-farm experiments and will perform a comparative assessment of their environmental, economic and social sustainability. By jointly involving researchers and the key actors of pest management (farmers, advisors, policy makers and actors of the food supply chain) in design and assessment, PURE will facilitate the adoption of these innovative IPM solutions.

PURE will thereby contribute to reduce the risks to human health and the environment and the dependence on pesticides and will facilitate the implementation of the pesticides package legislation.

Fields of science

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

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

[medical and health sciences](#) > [health sciences](#) > **[nutrition](#)**

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

[engineering and technology](#) > [industrial biotechnology](#) > **[biomaterials](#)**

Programme(s)

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

Topic(s)

[KBBE.2010.1.2-05 - Integrated pest management in farming systems of major importance for Europe - Call: FP7-KBBE-2010-4](#)

Call for proposal

FP7-KBBE-2010-4

[See other projects for this call](#)

Funding Scheme

[CP-IP - Large-scale integrating project](#)

Coordinator



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

EU contribution

€ 1 436 939,00

Total cost

No data

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147 RUE DE L'UNIVERSITE

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Region

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

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Research Organisations

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

[HORIZON collaboration network](#) 

Participants (25)



ROTHAMSTED RESEARCH LTD

 United Kingdom

EU contribution

€ 144 925,00

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HARPENDEN

AL5 2JQ Herts 

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East of England > Bedfordshire and Hertfordshire > Hertfordshire

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Other

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Total cost

No data



AARHUS UNIVERSITET

 Denmark

EU contribution

€ 916 186,00

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NORDRE RINGGADE 1

8000 Aarhus C 

Region

Danmark > Midtjylland > Østjylland

Activity type

Higher or Secondary Education Establishments

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[HORIZON collaboration network](#) 

Total cost

No data



JULIUS KUHN INSTITUT BUNDESFORSCHUNGSINSTITUT FUR KULTURPFLANZEN

 Germany

EU contribution

€ 770 669,00

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Total cost

No data



STICHTING WAGENINGEN RESEARCH

 Netherlands

EU contribution

€ 1 095 646,00

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DROEVENDAALSESTEEG 4

6708 PB Wageningen 

Region

Oost-Nederland > Gelderland > Veluwe

Activity type

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Total cost

No data



WAGENINGEN UNIVERSITY

 Netherlands

EU contribution

€ 267 460,00

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Total cost

No data



CONSIGLIO NAZIONALE DELLE RICERCHE

 Italy

EU contribution

€ 819 212,00

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PIAZZALE ALDO MORO 7

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Region

Centro (IT) > Lazio > Roma

Activity type

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[HORIZON collaboration network](#) 

Total cost

No data



KMETIJSKI INSTITUT SLOVENIJE - AGRICULTURAL INSTITUTE OF SLOVENIA

 Slovenia

EU contribution

€ 133 750,00

Address

Hacquetova ulica 17
1000 Ljubljana 

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska


Activity type

Research Organisations

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Total cost

No data



THE JAMES HUTTON INSTITUTE

 United Kingdom

EU contribution

€ 454 757,00

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Activity type

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Total cost

No data



FONDAZIONE EDMUND MACH

 Italy

EU contribution

€ 522 534,00

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VIA EDMONDO MACH 1

38098 San Michele All'Adige 

Region

Nord-Est > Provincia Autonoma di Trento > Trento

Activity type

Higher or Secondary Education Establishments

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[HORIZON collaboration network](#) 

Total cost

No data



INSTITUTO VALENCIANO DE INVESTIGACIONES AGRARIAS

 Spain

EU contribution

€ 207 312,00

Address

CARRETERA DE MONCADA KM 10.7

46113 Moncada 

Region

Este > Comunitat Valenciana > Valencia/València

Activity type

Other

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

[HORIZON collaboration network](#) 

Total cost

No data



INSTYTUT OCHRONY ROSLIN - PANSTWOWY INSTYTUT BADAWCZY

 Poland

EU contribution

€ 138 940,00

Address

UL. WLADYSLAWA WEGORKA 20

60 318 POZNAN 

Region

Makroregion północno-zachodni > Wielkopolskie > Miasto Poznań

Activity type

Other

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Total cost

No data



DEBRECENI EGYETEM

 Hungary

EU contribution

€ 183 460,00

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Region

Alföld és Észak > Észak-Alföld > Hajdú-Bihar

Activity type

Higher or Secondary Education Establishments

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Total cost

No data



JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION

 Belgium

EU contribution

€ 228 300,00

Address

Rue de la Loi 200

1049 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Research Organisations

Administrative Contact

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Total cost

No data



VIDENCENTRET FOR LANDBRUG

 Denmark

EU contribution

€ 168 879,00

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8200 AARHUS 

Activity type

Research Organisations

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[HORIZON collaboration network](#) 

Total cost

No data



ACTA ASSOCIATION DE COORDINATION TECHNIQUE AGRICOLE - LES INSTITUTS TECHNIQUES AGRICOLES

 France

EU contribution

€ 480 404,00

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rue de Bercy 149
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Region

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

Activity type

Research Organisations

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[HORIZON collaboration network](#) 

Total cost

No data



BAYER CROPSCIENCE AG

 Germany

EU contribution

€ 205 237,00

Address

ALFRED-NOBEL-STRASSE 50

40789 Monheim 

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Nordrhein-Westfalen > Düsseldorf > Mettmann

Activity type

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

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Total cost

No data



BIOTOP SAS 

 France

EU contribution

€ 6 097,59

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75782 PARIS 

Activity type

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

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[HORIZON collaboration network](#) 

Total cost

No data



NATURAL PLANT PROTECTION SAS

 France

EU contribution

€ 122 116,00

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Activity type

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

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Total cost

No data



BURKARD MANUFACTURING COMPANY LIMITED

 United Kingdom

EU contribution

€ 79 089,00

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**Woodcock Hill Industrial Estate
WD3 1PJ RICKMANSWORTH** 

Activity type

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

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Total cost

No data



BLGG agroxpertus B.V. 

 Netherlands

EU contribution

€ 4 911,00

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Total cost

No data



INRAE TRANSFERT SAS

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EU contribution

€ 429 968,00

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

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Total cost

No data



THE UNIVERSITY OF SHEFFIELD

 United Kingdom

EU contribution

€ 48 825,21

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Total cost

No data



AGROSOLUTIONS

 France

EU contribution

€ 98 422,20

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

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Total cost

No data



SOIL CARES RESEARCH BV

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€ 35 789,00

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Total cost

No data



SCOTTISH CROP RESEARCH INSTITUTE

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EU contribution

No data

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[HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025