

HORIZON
2020

IPM-4-Citrus, Citrus disease Integrated Pest Management: from Research to Market

Fact Sheet

Project Information

IPM-4-Citrus

Grant agreement ID: 734921

[Project website](#)

DOI

[10.3030/734921](https://doi.org/10.3030/734921)

Project closed

EC signature date

16 December 2016

Start date

1 April 2017

End date

31 January 2023

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 801 000,00

EU contribution

€ 801 000,00

Coordinated by

INSTITUT NATIONAL DES
SCIENCES APPLIQUEES DE
TOULOUSE

 France

Objective

IPM-4-Citrus aims to strengthen collaborations between academic and non-academic partners based in 3 European Member States (FR, GER, IT), 2 Associated Countries (Turkey and Tunisia) and 1 Third Country (Lebanon), in order to develop a new bio-pesticide active against citrus pests and scale it up from lab to market. The project's research and innovation activities are based on a multidisciplinary approach, which aims at understanding and sensitising stakeholders about the

health risk factors related to citrus pests and their treatment by chemical pesticides and developing an alternative Integrated Pest Management (IPM) approach based on biological control. *Bacillus thuringiensis* (Bt) based bio pesticides occupy almost 97% of the world's bio pesticide market and their use was estimated to exceed 30,000 tons. Despite this widespread use, the originality of Citrus-IPM is to focus on 2 promising, newly identified strains (*Bt kurstaki* BLB1 and LIP), which were shown to be more efficient than the commercial (*Bt kurstaki* HD1). In conjunction with validation through field tests, the project will pave the way for future commercial exploitation of a new biopesticide product by drawing up a feasibility study for future spin-off activities and/or new production lines in partner SMEs. Staff secondments and inter-sector and international mobilities between complementary partners will represent a unique opportunity to optimise bioproduction processes and obtain high added-value bioproducts, while building up the partners' skills and reinforcing the training of early-stage researchers through knowledge sharing and networking. Inter-sectors mobility will bring SMEs and researchers to work conjointly on conditioning procedures for field tests, impact evaluation and product maturation/exploitation. The project will also adopt a concrete RRI approach by favouring public engagement and informal education through the different outreach activities aimed at a variety of target groups.

Fields of science (EuroSciVoc)

[agricultural sciences](#) > [agriculture, forestry, and fisheries](#) > [agriculture](#) > [agronomy](#) > [plant protection](#)
[engineering and technology](#) > [industrial biotechnology](#) > [biomaterials](#)



Keywords

[biopesticides](#)

[Bascillus thuringiensis](#)

[d-endotoxin](#)

[bioprocess intensification](#)

[scale-up](#)

[formulation](#)

[biocontrol activity](#)

[delivery](#)

[field assay](#)

[economic maturation](#)

[spin-off](#)

Programme(s)

[H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#)

MAIN PROGRAMME

[H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge](#)

Topic(s)

[MSCA-RISE-2016 - Research and Innovation Staff Exchange](#)

Call for proposal

[H2020-MSCA-RISE-2016](#)

[See other projects for this call](#)

Funding Scheme

[MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange \(RISE\)](#)

Coordinator



INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE

Net EU contribution

€ 126 000,00

Total cost

€ 126 000,00

Address

AVENUE DE RANGUEIL 135

31077 Toulouse

 **France** 

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](#) 

Participants (9)



CENTRE DE BIOTECHNOLOGIE DE SFAX - CBS

Tunisia

Net EU contribution

€ 144 000,00

Address

ROUTE SIDI MANSOUR KM 6

3018 Sfax

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 144 000,00



BIOINDUSTRY PARK SILVANO FUMERO SPA SOCIETA' BENEFIT

Italy

Net EU contribution

€ 22 500,00

Address

VIA RIBES 5

10010 Colletterto Giacosa

Region

Nord-Ovest > Piemonte > Torino

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](#)

Total cost

€ 22 500,00



JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FUR KULTURPFLANZEN

 Germany

Net EU contribution

€ 94 500,00

Address

ERWIN-BAUR-STRASSE 27
06484 Quedlinburg 

Region

Sachsen-Anhalt > Sachsen-Anhalt > Harz

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 94 500,00



WIKI START-UP

 Tunisia

Net EU contribution

€ 22 500,00

Address

RUE DU LAC CONSTANCE LES BERGES DU LAC
1053 Tunis 

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

€ 22 500,00




BIYANS BIYOLOJIK URUNLER AR-GE DANISMANLIK SANAYI TICARET LIMITED SIRKETI

 Türkiye

Net EU contribution

€ 81 000,00

Address

**UNIVERSITELER MAHALLESİ 1596. CADDE EK IDARI BINAS KULUCKA MERKEZI
HACETTEPE TEKNOKENT 4 AR-GE BINASI NO ZEMIN KAT OFIS NO 31
06800 Cankaya Ankara** 

SME 

Yes

Region

Batı Anadolu > Ankara > Ankara

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

€ 81 000,00



INSTITUT PASTEUR DE TUNIS

 Tunisia

Net EU contribution

€ 67 500,00

Address

**Place Pasteur 13
1002 Tunis** 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 67 500,00



LES LABORATOIRES MEDIS

 Tunisia

Net EU contribution

€ 157 500,00

Address

ROUTE DE TUNIS KM7

8000 Nabeul 

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](#) 

Total cost

€ 157 500,00



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

 France

Net EU contribution

€ 63 000,00

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

€ 63 000,00



CENTRE TECHNIQUE DES AGRUMES

 Tunisia

Net EU contribution

€ 22 500,00

Address

ZAOUIET JEDIDI

8099 Beni Khaled Nabeul 

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

€ 22 500,00

Partners (1)



PARTNER 

UNIVERSITE SAINT-JOSEPH

 Lebanon

Net EU contribution

€ 0,00

Address

RUE DE DAMAS RECTORAT USJ

1104 2020 Beirut 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 279 000,00

Last update: 14 November 2023

Permalink: <https://cordis.europa.eu/project/id/734921>

European Union, 2025