

HORIZON
2020

EMERGING VIRAL DISEASES IN TOMATOES AND CUCURBITS: IMPLEMENTATION OF MITIGATION STRATEGIES FOR DURABLE DISEASE MANAGEMENT

Fact Sheet

Project Information

VIRTIGATION

Grant agreement ID: 101000570

[Project website](#) 



DOI

[10.3030/101000570](https://doi.org/10.3030/101000570) 

EC signature date

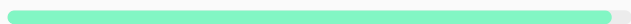
6 May 2021

Start date

1 June 2021

End date

31 May 2025



Funded under

SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

Total cost

€ 7 358 170,15

EU contribution

€ 6 998 668,34

Coordinated by

KATHOLIEKE UNIVERSITEIT
LEUVEN



Belgium

Project description

Novel solutions to containing viral diseases in crops

Every year, several billion euro worth of vegetable crops are lost due to viral diseases and the emergence of new viruses in European fields and greenhouses. Furthermore,

viral diseases also lead to the extensive use of pesticides, thereby exposing European growers and consumers to pesticide residues. The EU-funded VIRTIGATION project will address this challenge, developing solutions to emerging viral diseases caused by begomoviruses (whitefly-transmitted) and tobamoviruses (mechanically transmitted) in cucurbits and tomatoes in Northern Europe and the Mediterranean Basin. The initiative will also take into account the diversity of vegetable cropping systems and viral diseases through focus groups involving extension services, commercial companies and growers to help co-design research activities and mitigation strategies from the onset of the project.

Fields of science (EuroSciVoc)

[natural sciences](#) > [biological sciences](#) > [microbiology](#) > [virology](#)

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



Keywords

[tomatoes](#)

[cucurbits](#)

[tobamovirus](#)

[begomovirus](#)

[natural virus resistance](#)

[virus diagnostics](#)

[biopesticides](#)

[high-throughput sequencing](#)

[cross-protection vaccines](#)

[natural extracts](#)

[parasitoids](#)

Programme(s)

[H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy](#)

MAIN PROGRAMME

[H2020-EU.3.2.1.1. - Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience](#)

Topic(s)

[SFS-05-2018-2019-2020 - New and emerging risks to plant health](#)

Call for proposal

[H2020-SFS-2018-2020](#)

[See other projects for this call](#)

Sub call

H2020-SFS-2020-2

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



KATHOLIEKE UNIVERSITEIT LEUVEN

Net EU contribution

€ 909 250,00

Total cost

€ 934 250,00

Address

OUDE MARKT 13

3000 Leuven

 **Belgium** 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Participants (24)

THE UNIVERSITY OF AGRICULTURAL SCIENCES BENGALURU

 India

Net EU contribution

€ 0,00

Address

GKVK Campus

560065 Bengaluru 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



DE CEUSTER MESTSTOFFEN

 Belgium

Net EU contribution

€ 334 291,25

Address

BANNERLAAN 79

2280 Grobbendonk 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

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

€ 334 291,25



FUNDACION PARA LAS TECNOLOGIAS AUXILIARES DE LA AGRICULTURA

 Spain

Net EU contribution

€ 298 860,00

Address

AVDA DE LA INNOVACION 23 PARQUE TECNOLOGICO DE ALMERIA EL ALQUIAN
04131 Almeria 

Region

Sur > Andalucía > Almería

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 303 360,00



LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY

 Luxembourg

Net EU contribution

€ 256 105,00

Address

5 AVENUE DES HAUTS FOURNEAUX
4362 Esch Sur Alzette 

Region

Luxembourg > Luxembourg > Luxembourg

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 256 105,00



UNIVERSITY OF GREENWICH

United Kingdom

Net EU contribution

€ 489 462,50

Address

PARK ROW GREENWICH OLD ROYAL NAVAL COLLEGE
SE10 9LS London

Region

London > Outer London — East and North East > Bexley and Greenwich

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 489 463,63



AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Spain

Net EU contribution

€ 460 000,00

Address

CALLE SERRANO 117
28006 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

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

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

Total cost
€ 460 000,00



CENTRE DE RECERCA EN AGRIGENOMICA CSIC-IRTA-UAB-UB

 Spain

Net EU contribution
€ 199 500,00

Address
PARC DE RECERCA DE L UAB CAMPUS UAB EDIFICI CRAG BELLATERRA
08193 Cerdanyola Del Valles 

Region
Este > Catalunya > Barcelona

Activity type
Other

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

Total cost
€ 199 500,00



UNIVERSITA DEGLI STUDI DI CATANIA

 Italy

Net EU contribution
€ 406 870,84

Address
PIAZZA UNIVERSITA 2
95131 Catania 

Region
Isole > Sicilia > Catania

Activity type
Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 406 870,84



WAGENINGEN UNIVERSITY

 Netherlands

Net EU contribution

€ 403 530,00

Address

DROEVENDAALSESTEEG 4

6708 PB Wageningen 

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](#) 

Total cost

€ 403 530,63



STICHTING WAGENINGEN RESEARCH

 Netherlands

Net EU contribution

€ 344 163,75

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

€ 344 163,75



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

France

Net EU contribution

€ 310 797,50

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

€ 310 797,50



EMWEB

Belgium

Net EU contribution

€ 334 625,00

Address

DUIGEMHOFSTRAAT 101
3020 Herent

SME 

Yes

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

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

€ 334 625,05



THE AGRICULTURAL RESEARCH ORGANISATION OF ISRAEL - THE VOLCANI CENTRE

 Israel

Net EU contribution

€ 640 000,00

Address

Derech Hamcabim 68

50250 Bet Dagan 

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

€ 640 000,00



PROEFCENTRUM HOOGSTRATEN

 Belgium

Net EU contribution

€ 202 687,50

Address

VOORT 71

2328 Hoogstraten Meerle



SME 

Yes

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 202 687,50



ASSOCIATION PROVENCALE DE RECHERCHE ET D'EXPERIMENTATION LEGUMIERE

 France

Net EU contribution

€ 93 500,00

Address

ROUTE DE MOLLEGES

13210 Saint Remy De Provence



Region

Provence-Alpes-Côte d'Azur > Provence-Alpes-Côte d'Azur > Bouches-du-Rhône

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 93 500,00



JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN

 Germany

Net EU contribution

€ 250 187,50

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

€ 250 187,50



SYNGENTA FRANCE SAS

 France

Net EU contribution

€ 0,00

Address

12 CHEMIN DE L'HOBIT
31790 SAINT SAUVEUR 

Region

Occitanie > Midi-Pyrénées > Haute-Garonne

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
€ 192 500,00



SCIENTIA TERRAE

 Belgium

Net EU contribution

€ 227 625,00

Address

FORTSESTEENWEG 30A
2860 Sint Katelijne Waver 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Mechelen

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost
€ 227 625,00



HUERTA VALLE HIBRI2 SL

 Spain

Net EU contribution

€ 45 830,00

Address

CNO REMANENTE HUERTA VALLE S/N
29700 Velez-Malaga 

Region

Sur > Andalucía > Málaga

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
€ 45 830,00



AGENCIA DE GESTION AGRARIA Y PESQUERA DE ANDALUCIA

Spain

Net EU contribution
€ 116 912,50

Address
CALLE TABLADILLA 1
41013 Sevilla

Region
Sur > Andalucía > Sevilla

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
€ 116 912,50



LANDWIRTSCHAFTSKAMMER NORDRHEIN-WESTFALEN

Germany

Net EU contribution
€ 229 881,25

Address
NEVINGHOFF 40
48147 Munster

Region
Nordrhein-Westfalen > Münster > Münster, Kreisfreie Stadt

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

€ 229 881,25



STE MARAISSA SA

Morocco

Net EU contribution

€ 38 688,75

Address

**KM 39 RTE TIZNIT TIN MANSOUR CHT AIT BAHA
80000 Agadir**

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

€ 38 688,75



**RTDS - VEREIN ZUR FORDERUNG DER KOMMUNIKATION UND VERMITTLUNG
VON FORSCHUNG, TECHNOLOGIE UND INNOVATION (RTDS VEREIN, ENGL.
RTDS ASSOCIATION)**

Austria

Net EU contribution

€ 405 900,00

Address

**STROZZIGASSE 2 / 2. STOCK
1080 WIEN**

SME

Yes

Region

Ostösterreich > Wien > Wien

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 405 900,00



CORTEVA AGRISCIENCE ITALIA SRL

 Italy

Net EU contribution

€ 0,00

Address

VIA DEI COMIZI AGRARI 10

26100 Cremona 

Region

Nord-Ovest > Lombardia > Cremona

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

€ 137 500,00

Last update: 11 February 2025

Permalink: <https://cordis.europa.eu/project/id/101000570>

