Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research Strategy

Fact Sheet

Project Information

XF-ACTORS

Grant agreement ID: 727987

Project website

Status

Ongoing project

Funded under
H2020-EU.3.2.1.1.

Overall budget
€ 6,964,125

EU contribution
€ 6,903,000

Coordination
CONSIGLIO NAZIONALE DELLE RICERCHE

Italy

Objective

XF-ACTORS aims to establish a multidisciplinary research program to answer the urgent need to improve prevention, early detection and control of Xylella fastidiosa (Xf). Recently, Xf was introduced into Italy, where it is causing severe damage to olive crops, and in France, where so far it is limited to ornamental plants and some landscape trees. The overall goal of the research program is to assess Xf potential to spread throughout EU territory, while maximizing its impact through a multifactor approach, based on a seamless integration amongst the 29 partners involved. Proposed actions will be complementary to those carried out under the Project POnTE - 635646, thus ensuring an unbroken continuity with currently ongoing efforts. Specific objectives have been outlined following a step-by-step route, from
preventing its introduction into pest-free areas to the establishment of successful eradication strategies in infected zones. Preventive measures against Xf will be strengthened by implementing EU certification programs and developing a plan for establishing a EU Clean Plant Network. EU policy makers will be supported through the development of pest risk assessment tools, focused on current outbreaks and forecasting potentially threatened regions. Surveillance will be properly implemented, supporting the development of early detection tools for field use, remote sensing technology and predictive modelling. Critical information on the pathogen biology, epidemiological traits and hosts under threat, will be gathered with the guidance of the American research groups with long-established research. At the same time, the insect-bacteria interactions will be determined, for developing strategic control measures. The final overall objective is a comprehensive integrated management strategy for diseases associated with Xf, applicable both IPM and organic farming systems, to prevent Xf spread, control its economic, environmental/social impact, when an outbreak would occur.

Field of science

/agricultural sciences/agriculture, forestry, and fisheries/agriculture/agronomy/plant protection
/natural sciences/biological sciences/microbiology/bacteriology
/engineering and technology/environmental engineering/remote sensing

Programme(s)

Topic(s)

Call for proposal

H2020-SFS-2016-3

Funding Scheme

RIA - Research and Innovation action

Coordinator

CONSIGLIO NAZIONALE DELLE RICERCHE

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Participants (30)

CENTRE INTERNATIONAL DE HAUTES ETUDES AGRONOMIQUES MEDITERRANEENNES

- France
- EU contribution: € 633 250
- Address: Rue Newton 11, 75116 Paris
- Activity type: Higher or Secondary Education Establishments

UNIVERSITA DEGLI STUDI DI BARI ALDO MORO

- Italy
- EU contribution: € 306 750
- Address: Piazza Umberto I 1, 70121 Bari
- Activity type: Higher or Secondary Education Establishments

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

- France
- EU contribution: € 600 000
- Address: 147 Rue De L'universite, 75007 Paris Cedex 07
- Activity type: Research Organisations

AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

- Spain
INSTITUTO VALENCIANO DE INVESTIGACIONES AGRARIAS
Spain
EU contribution
€ 362 500
Address
Carretera Moncada Naquera
Km 4,5
46113 Moncada (Valencia)
Activity type
Research Organisations
Website
Contact the organisation

BENAKI PHYTOPATHOLOGICAL INSTITUTE
Greece
EU contribution
€ 250 000
Address
Stefanou Delta Street 8
14561 Athina
Activity type
Research Organisations
Website
Contact the organisation

JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FUR KULTURPFLANZEN
Germany
EU contribution
€ 290 000
Address
Erwin-baur-strasse 27
06484 Quedlinburg
Activity type
Research Organisations
Website
Contact the organisation

VLAAMSE GEWEST
Belgium
EU contribution
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<td>Franklin Street 1111, 12 Floor 94607 Oakland Ca</td>
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<td>AGENCIA PAULISTA DE TECNOLOGIA DOS AGRONEGOCIOS</td>
<td>Brazil</td>
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<td>NATIONAL TAIWAN UNIVERSITY</td>
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<td>Roosevelt Road 1 10617 Taipei</td>
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Contact the organisation [here](#) for more information.
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<td>UNITED KINGDOM RESEARCH AND INNOVATION</td>
<td>€ 225 533,70</td>
<td>Polaris House North Star Avenue, SN2 1FL Swindon</td>
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<td>INSTITUTO POLITECNICO DE BRAGANCA</td>
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<td>Campus De Santa Apolonia 5301 253 Braganca</td>
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United Kingdom

Portugal

United Kingdom

United Kingdom

Belgium
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<td>€ 140 000</td>
<td>Catharijnesingel 3511 GG Utrecht</td>
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<td>Sweden</td>
<td>€ 50 000</td>
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<td>Third Avenue Unit 68 Deeside Industrial Park Deeside, CH5 2LA Flintshire</td>
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ENBIOTECH SOCIETA A RESPONSABILITA LIMITATA
Italy
EU contribution
€ 150 000
Address
Via Aquileia 34/B
90144 Palermo
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Contact the organisation

AINIA
Spain
EU contribution
€ 89 000
Address
Calle Benjamin Franklin 5-11
Valencia Parc Tecnologic
46980 Paterna Valencia
Activity type
Research Organisations
Website
Contact the organisation

SUSTAINABLE COMMUNICATION AISBL
Belgium
EU contribution
€ 210 000
Address
Avenue Milcamps 8
1030 Bruxelles
Activity type
Other
Website
Contact the organisation

STICHTING NEDERLANDSE ALGEMENE KWALITEITSDIENST TUINBOUW
Netherlands
EU contribution
€ 30 000
Address
Sotaweg 22
2371 GD Roelofarendsveen
Activity type
Research Organisations
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<td>EIGEN VERMOGEN VAN HET INSTITUUT VOOR LANDBOUW- EN VISSERIJONDERZOEK</td>
<td>Belgium</td>
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