



Published on EIP-AGRI (<https://ec.europa.eu/eip/agriculture>)

XF-ACTORS "Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research"

Geographical location:

European Union

Other location:

Asia, America

Keywords:

Pest / disease control
disease management
disease prevention

Agricultural sectors:

Crops (generic)
Forestry (wood & timber)

Main funding source:

Horizon 2020 (EU Research & Innovation programme)

Project acronym:

XF-ACTORS

Project type:

Research project

Starting date:

2017

End date:

2020

Project status:

ongoing

Website:

[Official website of the project XF-ACTORS](#) [1]

Title (in English):

XF-ACTORS "Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research.

Language:

English

Objective of the project (native language):

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), while maximizing its impact through a multifactor approach, based on a seamless integration amongst the 29 partners involved. The overall goal is to assess Xf potential to spread throughout EU territory. The objectives are: preventing Xf introduction into pest-free areas; the establishment of successful eradication strategies in infected zones; developing a comprehensive integrated management strategy for diseases associated with Xf to prevent Xf spread and control its economic, environmental and social impact.

Objective of the project (in English):

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improve prevention, early detection and control of *Xylella fastidiosa* (Xf), while maximizing its impact through a multifactor approach, based on a seamless integration amongst the 29 partners involved. The overall goal is to assess Xf potential to spread throughout EU territory. The objectives are: preventing Xf introduction into pest-free areas; the establishment of successful eradication strategies in infected zones; developing a comprehensive integrated management strategy for diseases associated with Xf to prevent Xf spread and control its economic, environmental and social impact.

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Project coordinator

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Partner category: Researcher

Short summary for practitioners

Practice abstract 1

Short summary for practitioners (native language):

XF-ACTORS is the first international research project in Europe entirely devoted to develop a multidisciplinary research program on the bacterium *Xylella fastidiosa*. The project is funded by the European Commission as part of the Horizon 2020 program. XF-ACTORS involves a large consortium: 29 Partners and Research Institutions, including 4 non-European research centers from USA, Brazil, Costa Rica and Taiwan, countries where the pathogen is known to be present since a long time. The project wants to address the urgent need to improve prevention strategies, early detection and control of *Xylella fastidiosa*. XF-ACTORS aims to implement a multidisciplinary research program to fill the research gaps and strengthen the EU research capabilities with a global strategy for the integrated management of the outbreaks, so as to prevent the further spread of the bacterium in the EU territories and to mitigate the economic, environmental and social effects of the epidemics. The stakeholders' interests are an important driver of XF-ACTORS. Therefore, a Stakeholder Board has been settled, with the participation of representatives of international and national Plant Protection and quarantine services, policy makers at the EU level, growers, producers and nurserymen organizations and extension services. The knowledge generated by XF-ACTORS research aims to a number of objectives, such as improving capacity of farmers to manage the disease and prevent further economic losses in crops; enhancing capacity and competence of plant health authorities to strengthen the EU plant health regime; generating positive impact towards the improvement of EU prevention measures (legislative provisions, technical procedures, means of disease control, etc.).

Project partners

Organization/Institution name (original language): Institute for Sustainable Plant Protection of the Italian National Research Council (CNR-IPSP)
Partner category: Researcher

Organization/Institution name (original language): Centre International de Hautes Etudes Méditerranéennes Università degli Studi di Bari "Aldo Moro" Dipartimento di Scienze del Suolo, della Pianta e degli Alimenti (DISSPA) INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE
Partner category: Researcher

Organization/Institution name (original language): Consejo Superior de Investigaciones Científicas
Partner category: Researcher

Organization/Institution name (original language): Instituto Valenciano de Investigaciones Agrarias
Partner category: Researcher

Organization/Institution name (original language): Benaki Phytopathological Institute

Organization/Institution name (original language): Julius Kühn-Institute, Federal Research Centre for Cultivated Plants
Partner category: Researcher

Organization/Institution name (original language): Institute for Agricultural and Fisheries Research
Partner category: Researcher

Organization/Institution name (original language): University of California
Partner category: Researcher

Organization/Institution name (original language): Centro de Citricultura Sylvio Moreira (CCSM) and Escola Superior de Agricultura Luiz de Queiros (ESALQ)
Partner category: Researcher

Organization/Institution name (original language): National Taiwan University
Partner category: Researcher

Organization/Institution name (original language): Centro de Investigación en Enfermedades Tropicales, Universidad de Costa Rica
Partner category: Researcher

Organization/Institution name (original language): Natural Environment Research Council
Partner category: Researcher

Organization/Institution name (original language): Instituto Politécnico de Bragança (IPB)
Partner category: Researcher

Organization/Institution name (original language): University of Salford (USAL)
Partner category: Researcher

Organization/Institution name (original language): Joint Research Centre of the European Commission (JRC) Directorate D Sustainable Resources
Partner category: Researcher

Organization/Institution name (original language): CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA-CENTRO DI RICERCA PATOLOGIA VEGETALE
Partner category: Researcher

Organization/Institution name (original language): Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici

Organization/Institution name (original language): Netherlands Food and Consumer Product Safety Authority

Organization/Institution name (original language): INSTITUTO ANDALUZ DE INVESTIGACIONY FORMACION AGRARIA PESQUERA ALIMENTARIA Y DE LA PRODUCCION ECOLOGICA

language):

Partner category: Researcher

Organization/Institution name (original language): International Federation Of Organic Agriculture Movements

Organization/Institution name (original language): European and Mediterranean Plant Protection Organization

Organization/Institution name (original language): Russel IPM Ltd

Organization/Institution name (original language): Enbiotech srl

Organization/Institution name (original language): AINIA

Organization/Institution name (original language): Sustainable Communication

Organization/Institution name (original language): Stichting Nederlandse Algemene Kwaliteitsdienst Tuinbouw

Organization/Institution name (original language): Centro interprofessionale per le attività vivaistiche

Further details

Links to other website(s):

[Official website of the project POnTE, EU funded project, complementary to XF-ACTORS](#) [3]

Source URL:

<https://ec.europa.eu/eip/agriculture/en/find-connect/projects/xf-actors-xylella-fastidiosa-active-containment>

Links

[1] <http://www.xfactorsproject.eu/>

[2] <mailto:maria.saponari@ipsp.cnr.it>
[3] <http://www.ponteproject.eu>