Effective Management of Pests and Harmful Alien Species - Integrated Solutions

Fact Sheet

Project information

EMPHASIS

Grant agreement ID: 634179

Project website

Status
Closed project

Start date 1 March 2015
End date 28 February 2019

Funded under: H2020-EU.3.2.
Overall budget: € 6 636 039,50
EU contribution € 6 526 038,51

Coordinated by: UNIVERSITA DEGLI STUDI DI TORINO
Italy

Objective

EMPHASIS is a participatory research project addressing native and alien pests threats (insect pests, pathogens, weeds) for a range of both natural ecosystems and farming systems (field crops, protected crops, forestry, orchards and amenity plants).

The overall goal is to ensure a European food security system and the protection of biodiversity and of ecosystems services while developing integrated mechanisms of response measures (practical solutions) to predict, to prevent and to protect agriculture and forestry systems from native and alien pests threats.

The specific objectives are the following:

1. Predict, Prioritize and Planning: pest management challenges and opportunities will be evaluated according to stakeholder-focused criteria and through pathway analysis;
2. Prevent: practical solutions for surveillance in different pathways to enhance preparedness will be provided to end-users, and monitoring tools following outbreaks and eradication will be developed;
3. Protect: practical solutions for managing native and alien pests in agriculture, horticulture and forestry will be developed, their technical and economic feasibility will be demonstrated and their market uptake will be enhanced.
4. Promote: a mutual learning process with end-users will be developed, and the solutions identified by the project will be promoted through training and dissemination.

The project is in line with EU policy framework (Plant Health Dir. 2000/29/EC, EU Biodiversity strategy to...
2020, Dir. 2009/128/EC on sustainable use of pesticides, Roadmap to a Resource Efficient Europe) and its future developments (Reg. on protective measures against pests of plants, Reg. on Invasive Alien Species). The project is not focused on a single management systems but the plant/pest ecosystems dealt with are treated with a multi-method approach to design true IPM methodology that will be developed for key systems with portability to other similar systems, thereby having a large impact.

Field of Science

/agricultural sciences/agriculture, forestry, and fisheries
/engineering and technology/other engineering and technologies/food and beverages/food safety
/natural sciences/biological sciences/ecology/ecosystems
/social sciences/economics and business/business and management/commerce
/social sciences/sociology/governance/public services
/agricultural sciences/agriculture, forestry, and fisheries/forestry

Programme(s)

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

Topic(s)

SFS-03a-2014 - Native and alien pests in agriculture and forestry

Call for proposal

H2020-SFS-2014-2

See other projects for this call

Funding Scheme

RIA - Research and Innovation action

Coordinator
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<td>Via Giuseppe Verdi 8 10124 Torino</td>
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Netherlands

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Activity type
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Contact the organisation

REGIONAL ENVIRONMENTAL CENTER FOR CENTRAL AND EASTERN EUROPE -REC
Hungary

Address
Ady Endre Ut 9-11
2000 Szentendre

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Website
Contact the organisation

SEMIOSBIO TECHNOLOGIES INC
Canada

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320 887 Great Northern Way
V5t4t5 Vancouver

Activity type
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(excluding Higher or Secondary Education Establishments)

Contact the organisation

SPIN-TO SRL
Italy

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10155 Torino

Activity type
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(excluding Higher or Secondary Education Establishments)

Website
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<td>FERA SCIENCE LIMITED</td>
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4 February 2020