Role of EPPPO in supporting inspection activities

Françoise Petter, EPPO Secretariat

Workshop for inspectors on tools available for inspection, York (GB), 2017-12-13/15

EPPO in a few words

ONE OF 9 REGIONAL PLANT PROTECTION ORGANIZATIONS RECOGNISED UNDER THE INTERNATIONAL PLANT PROTECTION CONVENTION CREATED IN 1951

NOW 51 MEMBER COUNTRIES

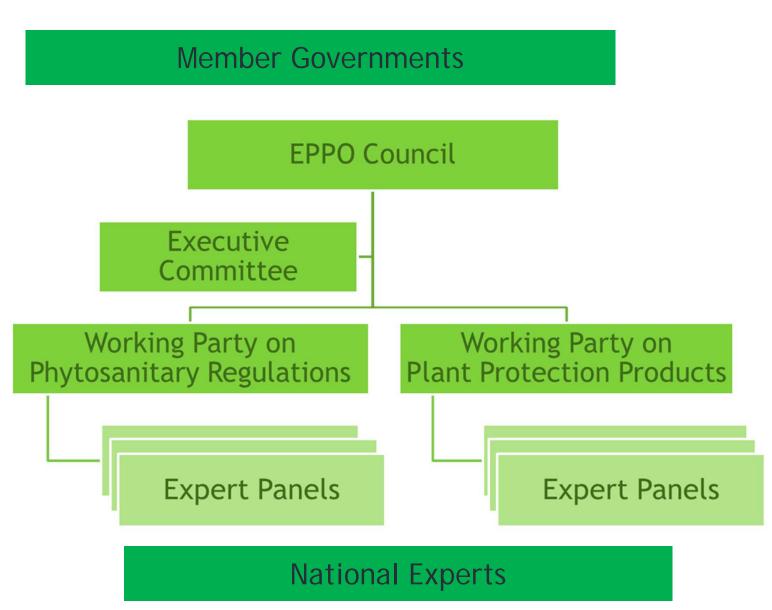
Remit set out in the EPPO Convention – in practice supporting member countries in particular in the areas of:

- Plant quarantine
- Efficacy of plant protection products
- Invasive alien plants
- Biological control agents

by:

- Developing and adopting regional technical Standards
- Disseminating information (information services)
- Input to development of international standards
- Facilitating networking in the region through Panel meetings, conferences, workshops.





EPPO activities in plant quarantine

- Identification of potential risks: Early warning systems to identify emerging risks
- Evaluation of potential risks: Pest Risk Analysis
- Recommendations on pests which should be regulated as quarantine pests (EPPO A1 and A2 Lists)
- Preparation of Standards (e.g. official control standards, diagnostic protocols, inspection procedures....)

Provide information to EPPO members



Early warning/horizon scanning: the EPPO Alert List



Provides early warning

Suggests
possible
candidates for
Pest Risk
Analysis but also
alerts to target
inspections

EPPO Alert List

(last updated in 2017-11)

The main purpose of the Alert List is to draw the attention of EPPO member countries to certain pests possibly presenting a risk to them and achieve early warning. Pests are marked with an asterisk* in the table below when a Pest Risk Analysis (PRA) is planned or under development within EPPO. The entry date corresponds to the date when the pest was added to the Alert List.

Read a short introduction to the EPPO Alert List.

<u>View information on previously listed pests</u>: in order to keep the Alert List reasonably short, pests are included on the Alert List on a temporary basis. Pests may be submitted to a Pest Risk Analysis (PRA), and depending on the results of this PRA they may be transferred to the <u>EPPO A1/A2 Lists of pests recommended for regulation as quarantine pests</u>. For the other pests, after a certain period (usually 3 years), if the relevant Panels consider that sufficient alert has been given to the NPPOs, pests are removed from the Alert List.

WHAT'S NEW

- Meloidogyne graminicola
- Meloidogyne ethiopica and M. luci

Pest Names	Main host plants or habitats	PRA	Entry date
Insects and mites			
Aleurothrixus trachoides (Hemiptera: Aleyrodidae)	Polyphagous	*	2015-11
Contarinia pseudotsugae (Diptera: Cecidomyiidae)	Pseudotsuga menziesii		2016-01
Gymnandrosoma aurantianum (Lepidoptera: Tortricidae)	Citrus and other fruit crops		2017-03
Massicus raddei (Coleoptera: Cerambycidae)	Quercus spp., Castanea spp.		2015-03

EPPO Reporting Service

- Monthly information report on events of phytosanitary concern.
- Focus: new geographical records, new host plants, new pests (including invasive alien plants), pests to be added to the EPPO Alert List, etc.
- Published in English and French.
- E-mailed to over 3800 recipients, and on website



EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION

EPPO Reporting Service

No. 2 Paris, 2017-02

2017/028 2017/029	New data on quarantine pests and pests of the EPPO Alert List 15th Congress of the Mediterranean Phytopathological Union: 'Plant Health sustaining Mediterranean Ecosystems' (Cordoba, ES. 2017-06-20/23)
Pests	
2017/030	First report of Xylosandrus compactus in France
2017/031	Xylosandrus compactus occurs in Lazio, Liguria, Sicilia and Toscana (IT)
2017/032	Addition of Xylosandrus compactus and of its associated fungi to the EPPO Alert List First report of Paysandisia archon in Germany

Receive the EPPO Reporting Service by e-mail

If you wish to receive the EPPO Reporting Service every month by e-mail: register with the <u>EPPO Electronic Documentation Service</u> (free automatic e-mail service)

EPPO Global Database

Detailed information for more than 1600 pest species of regulatory interest All functionalities of PQR (EPPO database on quarantine pests) have been transferred to EPPO Global Database.

Pest-specific documents

Data sheets
Pictures
Reporting Service
Pest Risk Analysis

Diagnostic expertise

Laboratories & Experts

PQR data

Host plants
Distribution lists & maps
Categorization

Pest-specific Standards

Diagnostic protocols
National Regulatory control
systems
Phytosanitary treatments

EPPO coding system

Plant & pest names
Elements of taxonomy
EPPO codes







Search by name or EPPO code...

Go!

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advanced search...

Home

Standards -

Photos -

Reporting Service

Explore by ▼

Xylella fastidiosa (XYLEFA)







MENU

- Overview →
- Distribution
- Host plants
- Host commodities
- Categorization
- Reporting
- Photos
- Documents

Overview

Notes

Sequenced.

pathology

Basic information

- EPPO code: XYLEFA
- Preferred name: Xylella fastidiosa
- Authority: Wells, Raju, Hung, Weisburg, Parl & Beemer

One of the "top ten" bacteria in molecular plant





Last modification: 2002-11-10

Taxonomy

- > Kingdom
- > Phylum
- > Class
- > Order
- > Family > Genus
- Species



more photos...

- - Bacteria (1BACTK) Proteobacteria (1PROBP)
 - Gammaproteobacteria (1GAMBC)
 - Xanthomonadales (1XANTO)
 - Xanthomonadaceae (1XANTF)
 - Xylella (1XYLEG)
 - Xylella fastidiosa (XYLEFA)

Other scientific names

Name

Authority

Grapevine Pierce's disease agent

Xylella fastidiosa subsp. fastidiosa

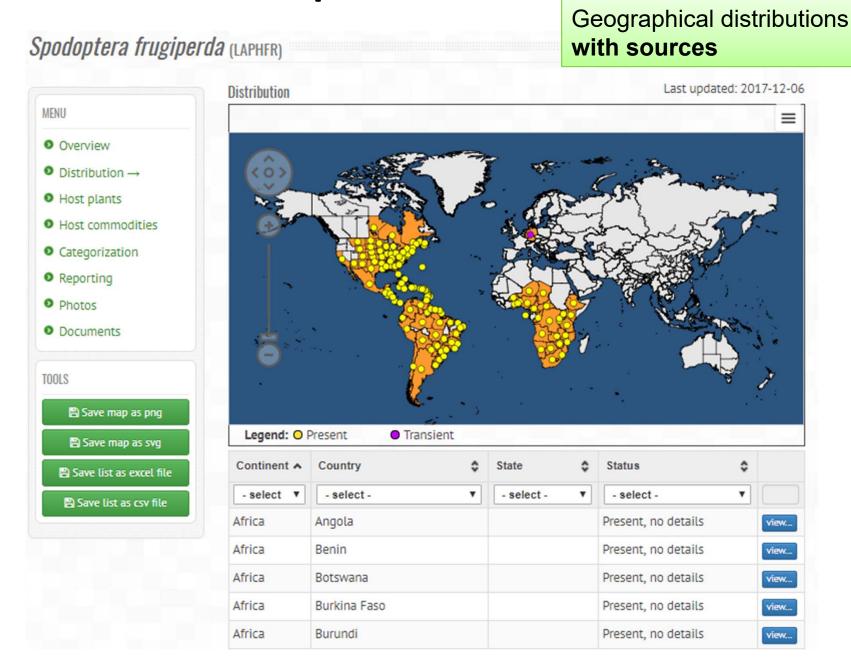
Xylella fastidiosa subsp. piercei

Common names

Pest specific information is stored in **EPPO Global Database**

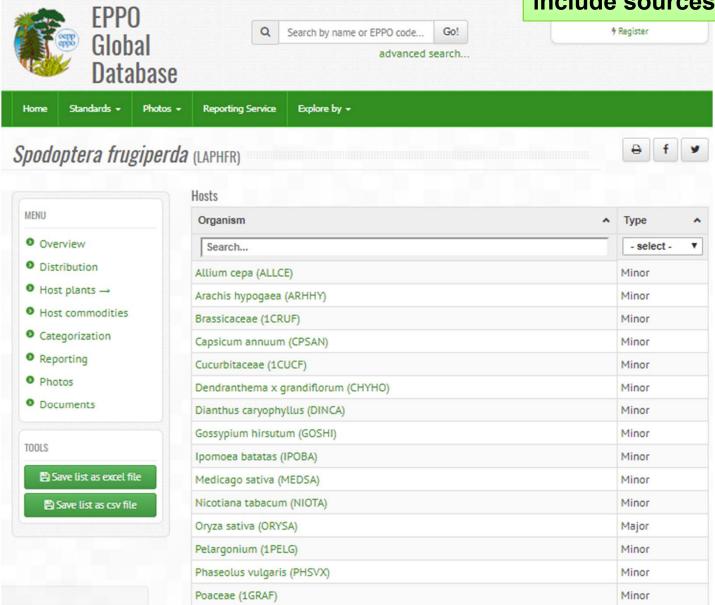
(https://gd.eppo.int)

Information on pest distribution



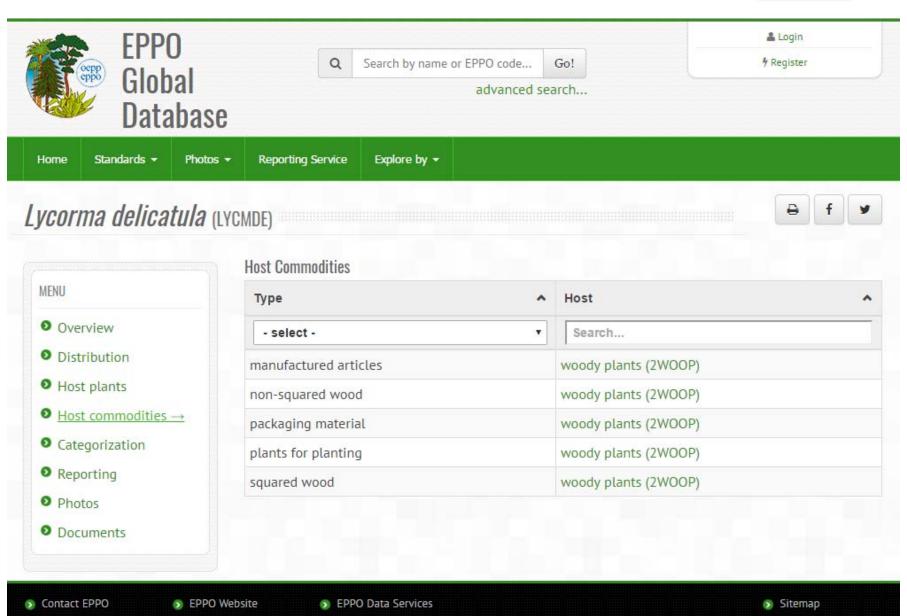
Information on host plants

Unlike geographical distribution not possible to include sources

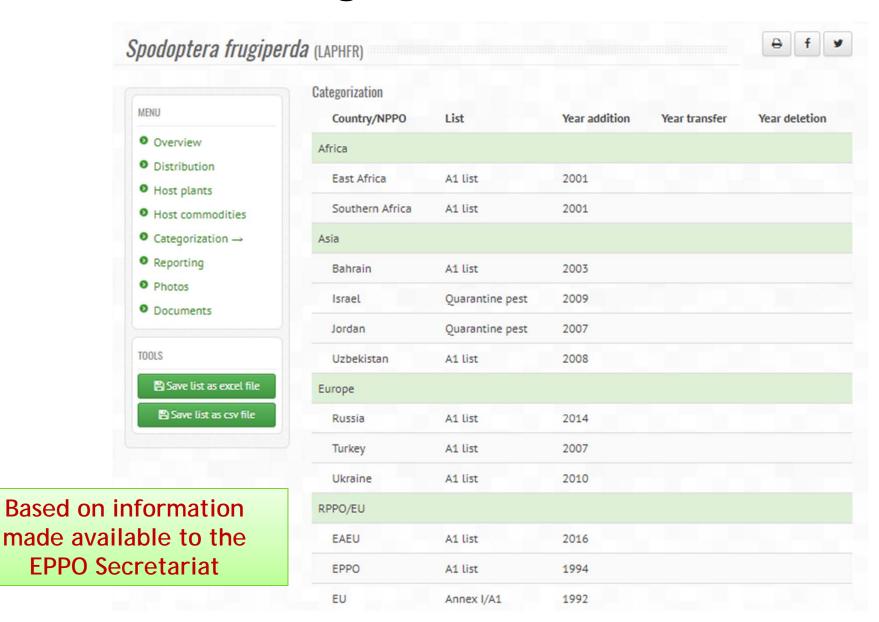


Information on host commodities

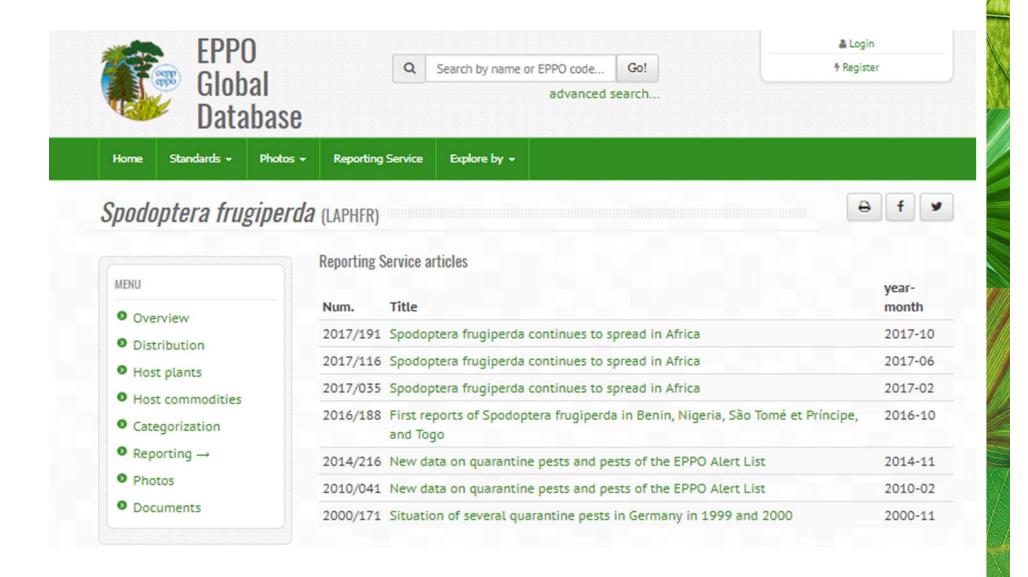




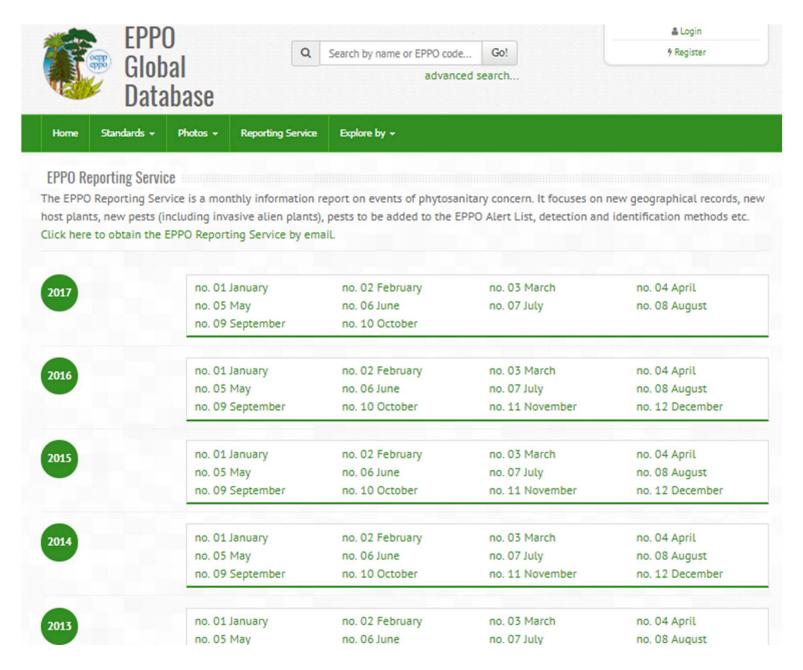
Information on categorisation



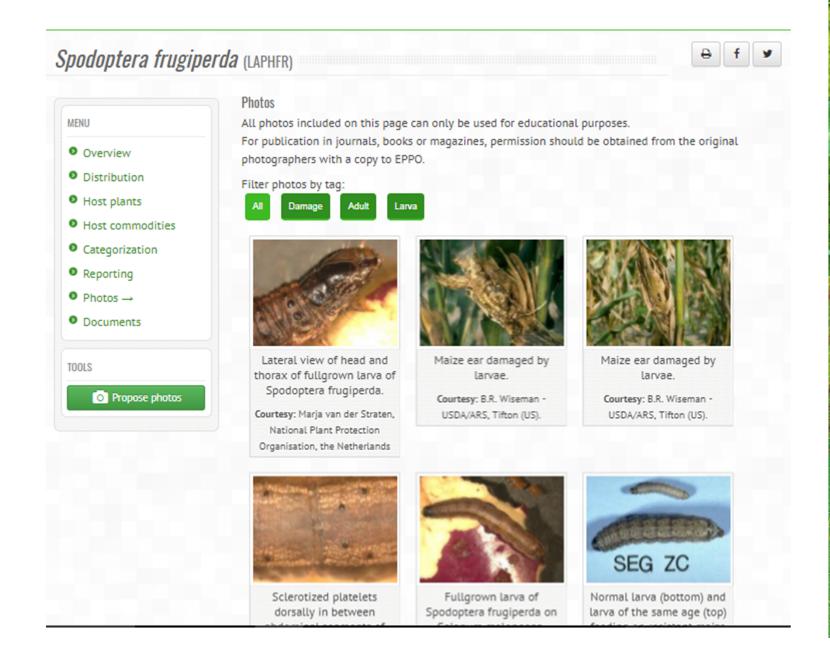
Articles from the EPPO Reporting also in GD!



Issues of the EPPO Reporting in GD from 1974!



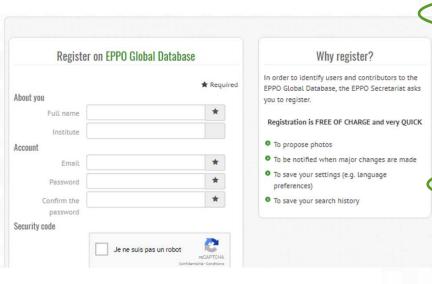
Photos



Documents

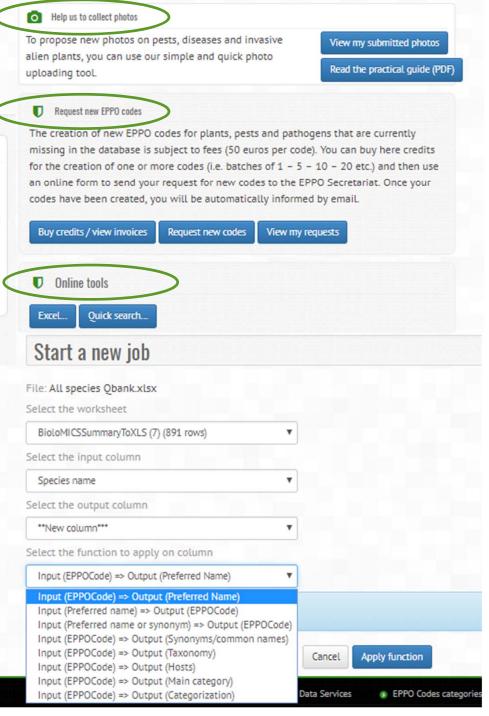


Register on GD!





With a list of pests in Excel file you can:



Workshops for inspectors In particular dissemination of research projects

Q-DETECT: Developing quarantine pest detection methods for use by National Plant Protection Organizations (NPPO) and Inspection Services
EU FP7 funded project GA245047

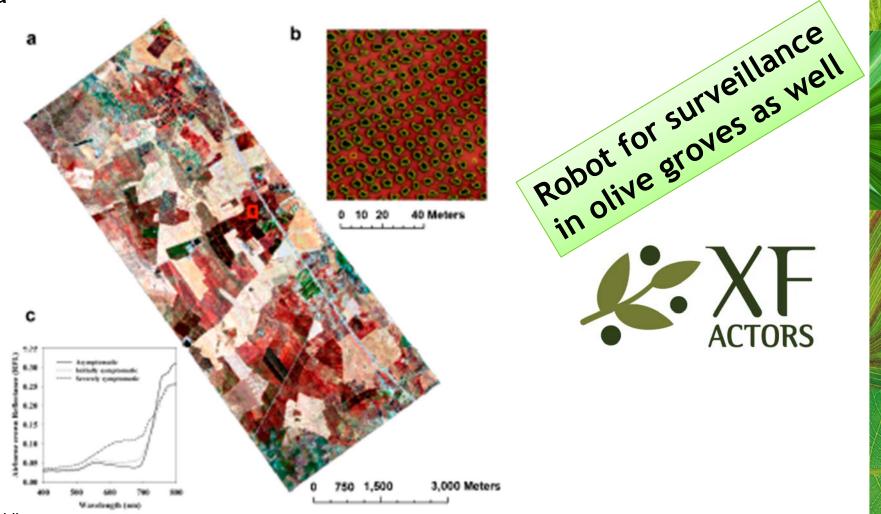
Outcomes presented at two EPPO Workshops for i Padova (Italy) 2011 Ljublana (Slovenia) 2013





Project specifically dedicated to inspection tools

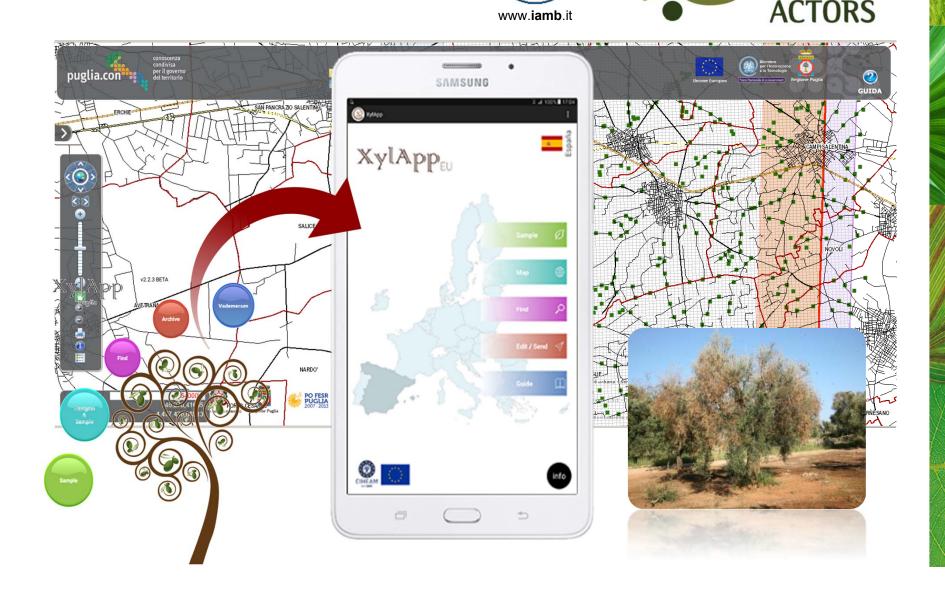
Early detection of *Xylella fastidiosa* symptoms from the leaf to the landscape scale through the automated analysis of high-resolution thermal and hyperspectral remote sensing data



Work building upon

Early Detection and Quantification of Verticillium Wilt in Olive Using Hyperspectral and Thermal Imagery over Large Areas Rocío Calderón, Juan A. Navas-Cortés and Pablo J. Zarco-Tejada *

XylApp a mobile phone application for Xylella fastidiosa surveillance



Special acknowledgements to
Anne Sophie Roy for the EPPO Global
Database, the Reporting Service and the
Alert List.

Damien Griessinger for the IT support and
tools developed

EPPO's achievements is only possible thanks to the collaboration of experts from our region but also from other parts of the world

Thanks to all!

