

Euphresco and the coordination of diagnostic research

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EPPO Diagnostic Protocols' programme

- Programme started in 1998
- To ensure correct detection and identification of regulated pests
- To ensure harmonised methodology in different diagnostic services/laboratories
- To provide performance criteria for tests



Diagnostic expertise database since 2007



This database provides an entory of the expertise available in the EPPO region. Its aim is to cover the expertise on regulated pests (i.e. per of EPPO A) and A2 Lists, pests mentioned in EPPO and Ards PM croduction of Healthy Plants for Planting), pests possiff presenting a risk to EPPO member countries (EPPO Alert ist) and planting alien plants. This delibase does not include common pests which are widely distribute Secretariat is mai faining the database but please note that all informatic factured in the database is cased on individual expert's own degarations of their expertise.

e database?

be searched by laboratory (<u>Laboratory (sst.</u>) be kp. <u>Auditor List</u>). auditors



Section 'Laboratory List'

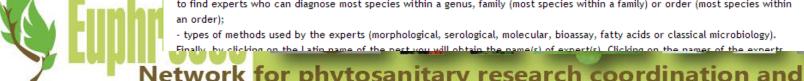
sorted by country. Click on the country name to see the mes of laboratories registered 🚺 access to th administrative and expertise details for each aboratory 🥒 clicking on its name. You can immediately visualize a tional information concerning laboratories, such as whether it has a tuality programme, whether it is accredited or offers trail . You can release your selection of laboratories by clicking, for xample, on 'quality programme' or any other criteria appearing the right-hand column to the table of can also access tailed information on individual expertise by clicking on each line displayed in 'expertise'.

Section 'Expertise List'

All experts are included in a table sorted by the Latin names of organisms diagnosed. To search the 'Expertise List', you can use different criteria and combine them as you wish:

- names of organisms in alphabetical order (simply choose a letter);
- levels of expertise: select 'species' if you want to find the experts who can diagnose a given species, and similarly select genus to find experts who can diagnose most species within a genus, family (most species within a family) or order (most species within
- types of methods used by the experts (morphological, serological, molecular, bioassay, fatty acids or classical microbiology). Finally, by clicking on the Latin name of the nest you will obtain the name(s) of expert(s). Clicking on the names of the experts





Objectives of EPPO diagnostic activity

- Production of diagnostic protocols
- Conferences/workshops to exchange information
- Based on individual lab contributions and voluntary basis

Fragmentation



National research programmes

National research implementation

Gap between phytosanitary policy and research



Euphresco

Coordination

- Sharing information and best practices
- Developing a common research agenda

Funding

 Transnational research funding



Euphresco

- 48 research projects funded (2006-2014)
- Total of 9M €
- 18 research topics to be funded in 2015



A new round of funding every year



Past projects (with focus on diagnostics)

Diagn espec

Portfolio

The projects funded so far have been successful in:

- Providing the scientific evidence that underpins EC regulatory decisions by supporting the pest risk analysis process.
- Providing diagnostic tools for use by inspection services and diagnostic laboratories for detecting and identifying regulated and quarantine pests (and ensuring that these methods are made widely available and set into European standards), thereby enhancing the operational and scientific phytosanitary capability across Europe.
- Phyto tools f
- · Providing methods for eradicating, containing and managing outbreaks of regulated, guarantine and emerging pests.
- Providing opportunities for researchers and scientists to collaborate and therefore enhance Europe's phytosanitary science capability.
- Supporting and linking to other plant health initiatives and coordination mechanisms, e.g. increased cooperation between diagnostic services; development and production of European pest risk analyses; support for plant health infrastructure, e.g. collections, taxonomic expertise, diagnostic proficiency testing.

niology

Bursa (BUR General information and reports from funded projects can be obtained from the table below:

Detection and epidemiology of pospiviroids (DEP)	Project slide	Final report	on
Strategies for Ambrosia artemisiifolia control (AMBROSIA)	Project slide	Final report	
Development and validation of innovative diagnostic tools for the detection of fire blight (Erwinia amylovora) (ERWINDECT)	Project slide	Final report	
Phytosanitary efficacy of kiln drying (PEKID)	Project slide	Final report	



QDET











2015 research topics



- Cryphonectria parasitica and Ceratocystis platani
- **Dickeya** and **Pectobacterium** spp. on vegetables and ornamentals
- Ralstonia solanacearum direct identification on plant tissues
- Acidovorax citrulli on cucurbit seeds
- Detection of *Xylella fastidiosa* in its host plants and vectors
- **Plum pox virus** strains in wild hosts and in stone fruit cultivars
- Test performance studies for *Potato virus Y* strain detection
- Early detection tools for **fruit fly** species of economic importance
- Potato cyst nematodes
- Tracking vectors of bacteria and phytoplasmas threatening Europe's major crops.
- Next-Generation Sequencing for the detection and diagnosis of nonculturable organisms.



Xylella fastidiosa consortium



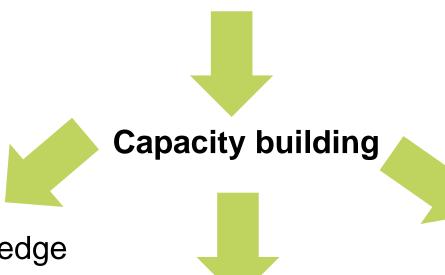
- 17 Euphresco members
- 4 non-members:
 - CISTA (CZ)
 - IAM-Bari (IT)
 - UNITUS (IT)
 - USDA-ARS (US)

participating in Euphresco



What benefits from participation?

The whole scientific basis of the phytosanitary field is quickly eroding



Skills and knowledge not available in your country

Infrastructure not available in your country

Development, testing, validation on a larger scale



What benefits from participation?

Services are increasingly lacking funds



Optimising the use of resources



Pooling national resources



Avoid overlaps



Favour complementarities



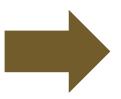
What benefits from participation?

Benefit from wider coordination



Between countries, organisations, initiatives

More efficient exploitation of projects' results



Increased visibility of project; feeding EPPO core activities

Harmonisation of procedures and data format



Share of information is facilitated



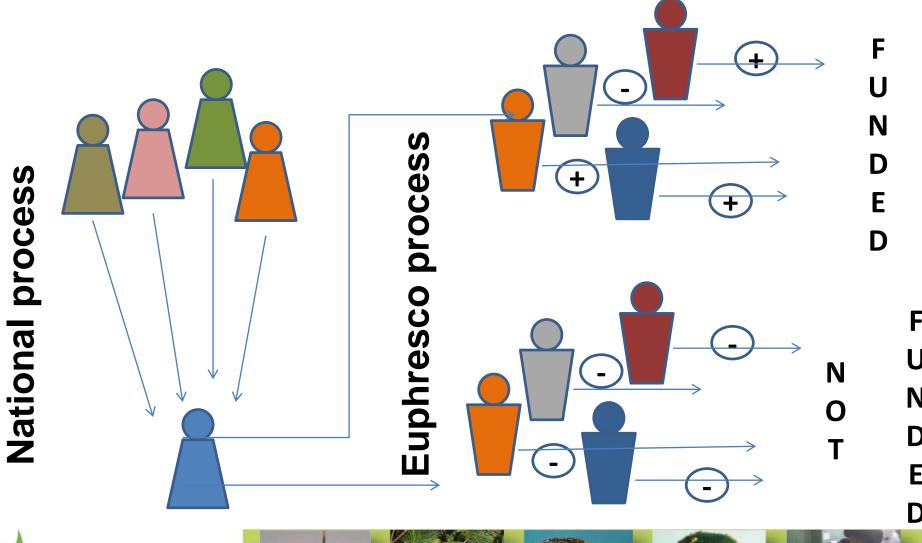


2016 round of funding

Phase in Round	Start date	End date
Preparation of initiation	02/11/2015	22/11/2015
Initial identification of		
topic suggestions	23/11/2015	20/01/2016
Merge of topic		
suggestions	21/01/2016	10/02/2016
Joining listed topic		
suggestions	11/02/2016	09/03/2016
Establishment of Long List		
of Topics	10/03/2016	17/03/2016
Topic Coordinator		
assignment	18/03/2016	22/04/2016
Production of (short) topic		
description	23/04/2016	03/07/2016
Funding decision phase	04/07/2016	11/11/2016

Network for phytosanitary research coordination and funding

From national suggestions to funding





Suggestions to whom?

(Federal Public Service Health, Food Chain Safety and Environment)

Click here to contact the national contact point at Federal Public Service Health, Food Chain Safety and Environment

Website: http://www.health.belgium.be/eportal



Belgium

Centre wallon de Recherches Agronomiques (Walloon Agricultural Research Centre)

Cliquez ici pour contacter le Point de contact national au Centre wallon de Recherches Agronomiques

Website: http://www.cra.wallonie.be



Bulgaria

B'Igarska Agentsja po bezopasnost na khranite (Bulgarian Food Safety Agency) Click and send your idea

Кликнете тук, за да се свържете с Националното координационно Свържи в B'Igarska Agentsja po bezopasnost na khranite

Website: http://www.babh.government.bg/



Canada

Canadian Food Inspection Agency, Plant Health Science Directorate

Click here to contact the national contact point at Canadian Food Inspection Agency

Website: http://www.inspection.gc.ca/



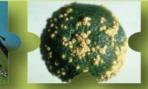
Croatia

Hrvatski centar za poljoprivredu, hranu i selo

Croatian Centre for Agriculture, Food and Rural Affairs, Plant protection Institute

Kliknite ovdje da se obratite nacionalna kontakt točka na

Website: http://www.hcphs.hr





Network for phytosanitary research coordination and funding



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