



The European and Mediterranean Plant Protection Organization Organisation Européenne et Méditerranéenne pour la Protection des Plantes

A brief report of activity

Event NAPPO Annual Meeting, Memphis, USA

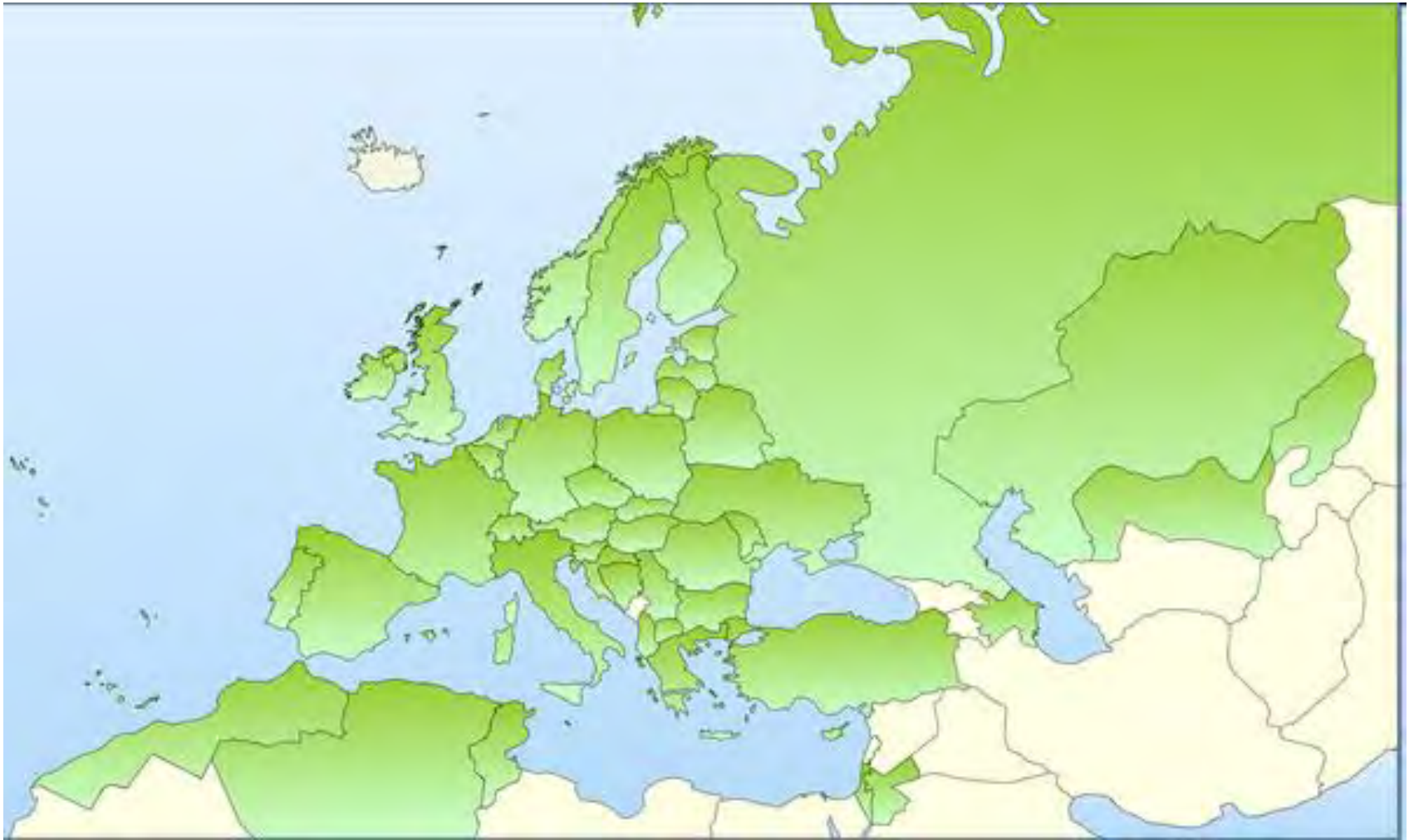
Date 28th October 2015

Martin Ward (Director General) - hq@eppo.int



1951 EPPPO Convention – 15 countries

Now 50 member countries



Remit

Support members in harmonisation of measures on:

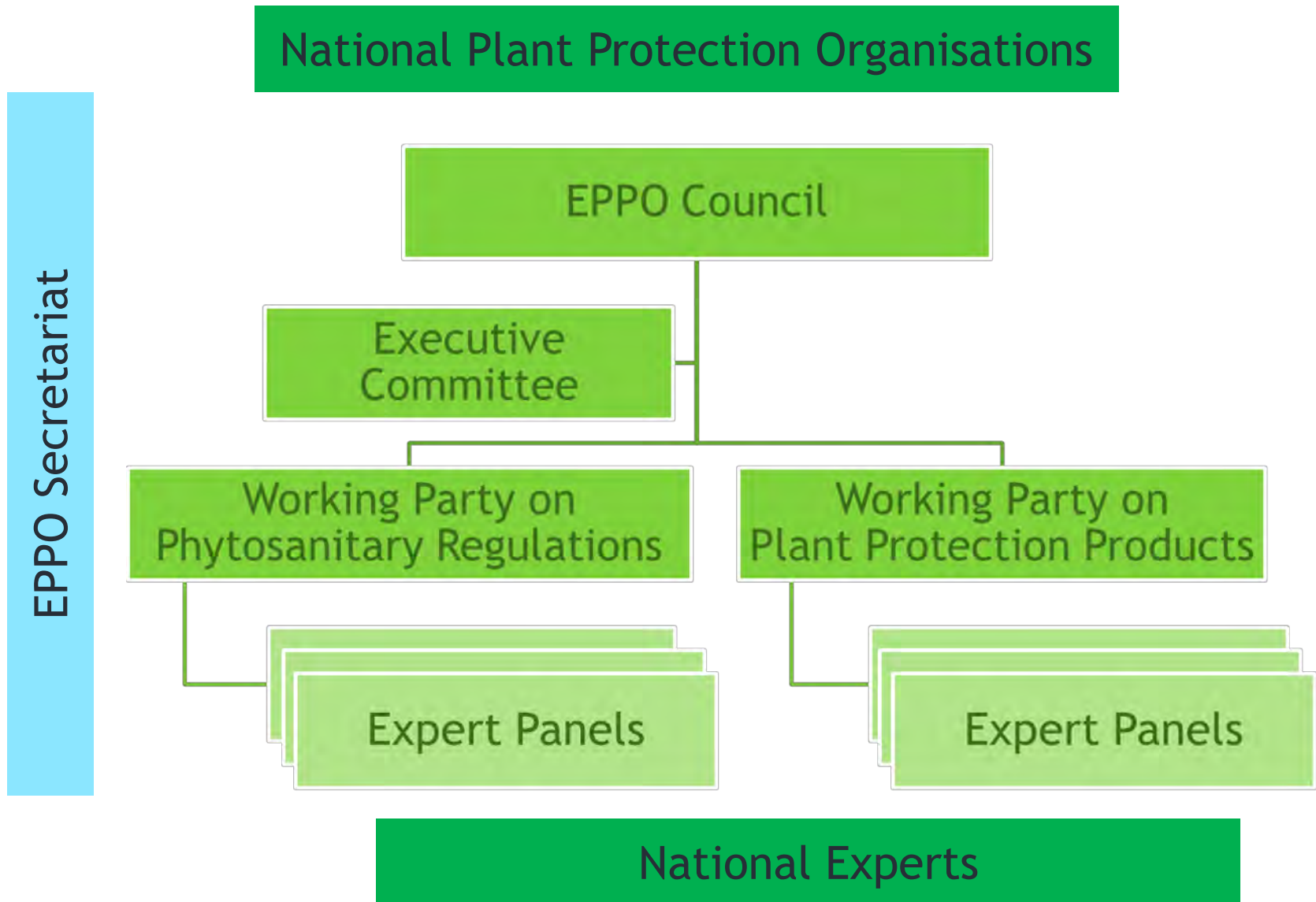
- Plant quarantine
- Efficacy of plant protection products
- Plant certification schemes
- Invasive alien plants
- Biological control agents

with:

- Standards
 - Drafting and adoption of EPPO Standards
 - Contribution to International Standards (ISPMs)
- Networks for sharing intelligence and expertise



Organisation



Expert Panels

- Nominated by member countries
- Appointed by EPPO Executive Committee
- Serve as experts, not representatives
- Costs paid by own organisation
- Responsible for developing standards
- Frequency varies between panels from 4 -18 months



Active Panels

Plant Protection Products

- General Standards
- Herbicides
- Insecticides and Fungicides
- Resistance
- Harmonisation of Data Requirements

Phytosanitary Regulations

- Global Affairs
- Risks and Measures
- Forestry
- Potatoes
- Inspection Procedures
- Information
- Diagnostics (General) +
 - Entomology
 - Nematodes
 - Bacteria
 - Fungi
 - Virology
- Invasive Alien Plants
- Biological Control Agents

Expert Working Groups

- Mainly for Pest Risk Analyses (five per year)
- Nominated by countries, selected by secretariat
- Experts in specific aspects of risk
- Include experts from continents where pest is present
- Expenses paid from EPPO budget



Secretariat

• Martin Ward	Director General
• Françoise Petter	Assistant Director
• Vlasta Zlof	Scientific Officer (Plant Protection)
• Andrei Orlinski	Scientific Officer (Forestry and Biocontrol)
• Anne-Sophie Roy	Information Officer
• Muriel Suffert	Scientific Officer (Potatoes and PRA)
• Rob Tanner	Scientific Officer (Invasive Alien Plants)
• Valerio Lucchesi	Scientific Officer (Plant Protection)
• Damien Griessinger	Information Technology Officer
• Madeleine McMullen	Managing Editor
• Eliane Madène	Administrator
• Marie-Christine Ozanon	Secretary
• Jocelyne Cesari	Secretary
• Cintia Mauchien	Administrative Assistant
• Baldissera Giovani	Euphresco Co-ordinator
• Jeroen Meeussen	EU Minor Uses Co-ordinator

Some current activities ...



Plant Protection Products

- Standards for evaluation of efficacy
- Harmonisation of data packages to enable mutual recognition of approvals between countries
- Facilitation of zonal authorisation
- Hosting the new “EU Minor Uses Co-ordination Facility”



EPPO Codes

- Codes for over 30,000 pests and 30,000 host plants
- c. 2,000 new codes added each year
- Taxonomic structure
- 120,000 common names in > 20 languages
- Used (and originally developed) by pesticide industry
- Key to EPPO, EU, IPPC and national databases
- Free to users, with recovery of costs for new codes



Kingdom	Animalia	1ANIMK
└ Phylum	Arthropoda	1ARTHP
└ Subphylum	Hexapoda	1HEXAQ
└ Class	Insecta	1INSEC
└ Order	Hemiptera	1HEMIO
└ Suborder	Sternorrhyncha	1STERR
└ Family	Aleyrodidae	1ALEYF
└ Genus	Bemisia	1BEMIG
└ Species	Bemisia tabaci	BEMITA

Horizon Scanning

- Seeing what pests may be coming in order to prioritise:
 - Research
 - Surveillance
 - Regulation
 - Awareness raising
- Reporting Service - monthly news of pests on the move
- Alert List of pests not yet regulated
- Advice to International Plant Sentinel Network



Diagnostics

- Getting accreditation right for plant health labs
- Including molecular methods in diagnostic protocols
- Linking EPPO and global work on diagnostic standards
- Database of diagnostic experts in the EPPO region



Information Services

- Reporting Service
- EPPO Bulletin
- New “EPPO Global Database” combining
 - Data sheets
 - Risk assessments
 - Maps
 - Pictures



The screenshot displays the EPPO Global Database (beta) interface for the pest *Acidovorax citrulli*. The page is organized into several sections:

- Navigation:** Overview, Distribution, Distribution map, Hosts, Pathways/hosts, Categorization, Reporting, Photos, Documents.
- Basic Information:** EPPO Code: PSMAC; Preferred name: *Acidovorax citrulli*; Authors: Schaad et al., Sotgiu, Razzouk, Sackler, Gafur, Vidaver, Jones, Apekova, Iqbal, Dickstein & Raulund.
- Taxonomy:** Lists taxonomic ranks: I: Sacteria (ISACT); II: Proteobacteria (PROB); III: Betaproteobacteria (BETB); IV: Burkholderiales (BURK); V: Comamonadaceae (COMAM); VI: *Acidovorax* (ACV); VII: *Acidovorax citrulli* (PSMAC).
- Other scientific names:** Lists synonyms such as *Acidovorax avenae* subsp. *citulli* (Schaad, Sorelli, Goni, Corwell & Hersh Williams) and *Phaeoanemonia* *avenae* subsp. *citulli* (Schaad, Sorelli, Goni, Corwell & Hersh Williams).
- Common names:** no data.
- Map:** A world distribution map showing the geographic spread of the pest, with orange dots indicating reported locations.

**Acidovorax citrulli** (PSDMAC)

Overview

Distribution

Distribution map

Hosts

Pathways Hosts

Categorization

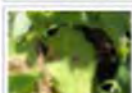
Reporting

Photos

Documents



Symptoms of *Acidovorax citrulli* on melon leaves.
Courtesy: Dr Andrea Minuto, Centro di Saggio, CERSAA, Albenga (IT)

[see all photos](#)**Basic information**

EPPO Code: PSDMAC

Preferred name: *Acidovorax citrulli*

Author(s): (Schaad et al.) Schaad, Postnikova, Sechler, Clafin, Vidaver, Jones, Agarkova, Ignatov, Dickstein & Ramundo

Taxonomy

- | Bacteria (1BACTK)
- | --- Proteobacteria (1PROBP)
- | ----- Betaproteobacteria (1BETBC)
- | ----- Burkholderiales (1BURKO)
- | ----- Comamonadaceae (1COMAF)
- | ----- Acidovorax (1ACVRG)
- | ----- *Acidovorax citrulli* (PSDMAC)

Other scientific names

Name	Author(s)
<i>Acidovorax avenae</i> subsp. <i>citrulli</i>	(Schaad, Sowell, Goth, Colwell & Webb) Willems, Goor, Thielemans, Gillis, Kersters & De Ley
<i>Pseudomonas avenae</i> subsp. <i>citrulli</i>	(Schaad, Sowell, Goth, Colwell & Webb) Hu, Young & Triggs

Common names

no data



Contingency Planning

- Standard on “Generic Elements for Contingency Plans”
- Council Colloquium - Moscow, 2013
- EPPO Inspectors Workshop - Kew, November 2014
- Encourage learning from others’ experience
- Potential database of eradication expertise?
- Development of PM9 Standards (*Popillia japonica* next)



Inspectors and Inspections

- Workshops every other year (at least)
- Inspections Panel restarted in 2013
- Terms of Reference
 - To develop inspection and sampling procedures
 - Review EPP0 recommendations and procedures required
 - Review existing Inspection Standards (PM3 Series)
 - Identify Stewards and Experts for this purpose



Pest Risk Analysis

- Three PRA Standards (normal, express and interception)
- Interest in rapid assessment and prioritisation tools
- Increasing focus on risk assessment of pathways
 - Plants for planting (contributing to revision of EU regime)
 - Tomato fruit
 - Wood chips and wood waste (issues of definitions!)
- Priorities for PRA set (in consultation with EFSA)
- Regular issue for risk reduction options: how to set size of buffer zones?
- Planning with EFSA a colloquium on use of models
- Recommendations to members on pest listing in 2015:

Thousand cankers disease of walnut

- *Pityophthorous juglandis*

- bark beetle
- 2-3 generations/year
- Can attack healthy trees
- May attack same tree many times



- *Geosmithia morbida*

- Fungi (Ascomycota)
- Spores transported and introduced into wounds made by *P. juglandis*
- Disease from the combined effects of the two species



Heterobasidion irregulare

- Part of *H. annosum* complex
- Infection through spores or mycelial spread
- Host plants: family Pinaceae and Cupressaceae, in particular *Pinus* and *Juniperus*
- Also non-coniferous hosts (but not pathogenic)
- Symptoms: Root and butt rots. Mortality within a few years in species whose roots are extensively attacked.



Invasive Alien Plants

- *Alternanthera philoxeroides*
- *Myriophyllum heterophyllum*
- *Microstegium vimineum*



Revisions of Taxonomy

- Regular problem for risk analysts and managers
- Principle is clear that taxonomists do not change the meaning of regulations or recommendations!
- EPPO Lists adjusted this year in response to changes of taxonomy in the genera *Leucinodes* and *Xanthomonas*

Priorities for PRA in 2015-2016

- *Pospiviroids*,
- Selected pests identified during the EPPPO Study on pest risks associated with the import of tomato fruit
- *Lycorma delicatula*,
- *Meloidogyne mali*
- Review the *EFSA Opinion on soil and growing media* to make recommendations for horizontal measures against *Phytophthora* and other soil borne species.



Euphresco (Plant Health Research Co-ordination)

- Started as an EU supported ERA-net in 2006
- Now a self sustaining network funded by partners
- Hosted by EPPO
- 29 partners from 22 countries, including 16 NPPOs
- c. 1.2M€ available for projects in 2015
- 30 topics likely to be funded in 2015
- Interest in joining, including from outside the region (Canada, USA, South America)



Euphresco Network at end of 2014



Collaboration with NAPPO

- Longstanding relationship between the two RPPOs
- Instrumental (with others) in launching the IPPC Secretariat and the first International Standards
- Regular participation in each others' meetings
- Exchange of expertise and information
- Continue to work together to improve the global phytosanitary framework
- Regional Organizations have a key role in delivering better implementation (e.g. NAPPO work on ISPM15)



The European and Mediterranean Plant Protection Organization

Thank you!

