## EPPO Activities on Pest Risk Analysis

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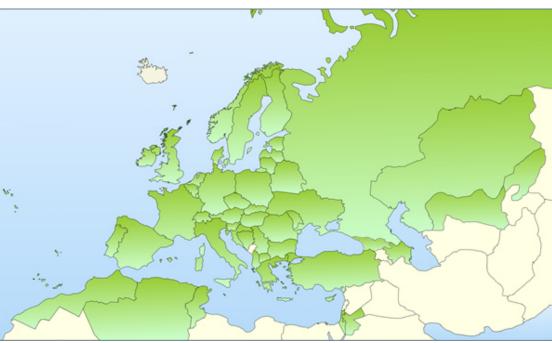
International Pest Risk Research Group 23 August 2016 Parma, Italy



## **European & Mediterranean Plant Protection Organization (EPPO)**

- An intergovernmental organization
- Promotes cooperation in plant protection in Euro-Med area
- Created in 1951 by 15 countries
- 51 members in 2016
- www.eppo.int





#### Remit

- Plant quarantine
- Efficacy of plant protection products
- Invasive alien plants
- Biological control agents
- Plant certification schemes (not currently active)

by:

- Sharing information and expertise through networks
- Drafting and adoption of regional technical standards
- Input to development of international standards

#### Early warning, part of the EPPO strategy

 Manage an early warning system (EPPO Alert List) and maintain a database of pests

• Evaluate the risks presented by potentially invasive pests (PRA)

 Make recommendations on pests which should be regulated in Europe (standards)

#### **EPPO Standards on PRA**

- Development of EPPO Standards initiated in the 1990's
- EPPO Standards consistent with ISPMs



9<sup>th</sup> meeting of the Panel on PRA Israel, 2000

#### **EPPO PRA Standards**

- 1992 PM 5/1 Checklist of information required for PRA
- 1992, revised in 2001 PM 5/2 PRA on detection of a pest in an imported consignment
- 1997 PM 5/3(1) Pest risk assessment scheme
- 2000 PM 5/4(1) Pest risk management scheme

Later revised and merged in the EPPO decision support scheme for PRA

- 2012 PM 5/5(1) Decision-Support Scheme for an Express Pest Risk Analysis
- 2012 PM 5/6 Prioritisation Process for Invasive Alien Plants
- 2013 PM 5/7 Screening Process to identify priorities for commodity PRA for plants for planting
- (to be adopted in 2016) Guidelines on the phytosanitary measure 'plants grown under complete physical isolation'

#### **Standards available on Internet**

https://gd.eppo	.int/standards/PM5/
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EPPO				& Login	
EPPO Global Databa		Search by name or EPPO code advanced	Go! search	∳ Register	
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TOOLS	PM5/000(1)	Introduction		Downlo	bad
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	PM5/004(1) Ø	Pest Risk Management Scheme			
	PM5/005(1)	Decision-Support Scheme for an	n Express Pest Risk Analy	sis Downlo	bad
	PM5/006(1)	EPPO prioritization process for i	nvasive alien plants	Downlo	bad
	PM5/007(1)	Screening process to identify pri for planting	iorities for commodity PR	A for plants	oad ·

#### **CAPRA** software

- PRA schemes available within CAPRA (developed during PRATIQUE project)
- Provides additional guidance, examples and links

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#### **EPPO pest-specific PRAs**

- 5 PRAs per year carried out by ad hoc Expert Working Groups (5-8 experts)
- PRAs covers arthropods, nematodes, pathogens, and invasive plants
- Selected from Alert List
- PRAs reviewed by
  - core members for consistency
  - Panels to consider risk management options
- Recommendations to member countries on which pests to regulate (A1/A2 lists)
- National PRAs may also be used to support EPPO recommendations

#### **EPPO pathway PRAs**

- Recent work on analysing risks from pathways
  - Plants for planting -> screening process
  - Tomato fruit -> recommendations for phytosanitary certificate
  - Wood chips and wood waste -> definitions and further data collection
- Development of a Standard to elaborate pest lists associated with commodities

#### **EU-funded projects on PRA**

Current projects focusing on PRA

- DROPSA
- Life IAP-Risk
- RNQP project

#### DROPSA



EU FP7 project (2014-2018) Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (consortium of 26 partners)

- WP 1 Pathways of introduction of fruit pests and pathogens
  - Review of pests already introduced in the EU
  - Alert list of pests and pathogens for 4 fruit species
  - Methods for quantitative pathway risk analyses systems for fruit pests and pathogens
- WP 8 Dissemination

Life IAP-Risk

# LIFE IAP-RISK

Mitigating the threat of invasive alien plants in the EU through pest risk analysis to support the EU Regulation (no.1143/2014)

- 2-year project (2016-2018)
- Prioritization of 16 species out of 37
- Modification of the EPPO Express PRA scheme (incl. ecosystems services, climate change)
- Performing 16 PRAs (including modelling and mapping)
- PRAs to be peer-reviewed in the usual EPPO process





Centre for Ecology & Hydrology

NATURAL ENVIRONMENT RESEARCH COUNCIL

### Project on Regulated Non-Quarantine Pests

- a 2-year project (2016-2018) contracted with the EU Commission
- RNQP status defined in new EU Plant Health Law
- Metholodogy under development (screening)
- Questionnaire to gather information from NPPOs and stakeholders
- Methodology to be applied by sector-EWGs (vegetables, ornamentals, fruit and vine, potatoes, forestry, seeds)
- Outcomes hoped to be beneficials to all EPPO countries

### **Communication and training on PRA**

#### EPPO PRA available

• on EPPO website:

https://www.eppo.int/QUARANTINE /Pest\_Risk\_Analysis/PRA\_intro.htm

- In EPPO Global Database
- Scoopit webpage, twitter
- Training
  - Workshops
  - Training sessions on EPPO scheme
  - Tutors in BTSF and FAO courses

k Analysis X / 🔛 European and Mediterran X

https://www.eppo.int/QUARANTINE/Pest\_Risk\_Analysis/PRA\_intro.htm

#### PRAs conducted by EPPO Expert Working Groups

Since 2006, EPPO organizes meetings of Experts Working Groups which are conducting PRAs on specific pests following the EPPO Decision-support scheme and its computerized version CAPRA (see above). The conclusions resulting from these PRAs are addressed to the EPPO member countries only (the area potentially at risk that is considered during these PRAs is the EPPO region, not the other parts of the world). To access PRA documents and data sheets (now stored in EPPO Global Database) click on the links.

#### Finalized PRAs

Pests (links to pest-specific documents in EPPO Global Database)	Final decision
Insects and mites	
Agrilus anxius	A1 - 2011
Agrilus planipennis	A1 - 2004
Apriona germari, A. japonica, A. cinerea	A1 - 2013
<u>Aromia bungii</u> New	A1 - 2014
<u>Aulacaspis yasumatsui</u>	Not added
Bactericera cockerelli	A1 - 2012
Bactrocera invadens	A1 - 2010
Diocalandra frumenti	Not added
<u>Drosophila suzukii</u>	A2 - 2011
Epitrix spp.	A1/A2 - 2010
Keiferia lycopersicella	A1 - 2012
<u>Megaplatypus mutatus</u>	A2 - 2007
Metamasius hemipterus	A1 - 2009
Neoleucinodes elegantalis New	A1 - 2014
<u>Oemona hirta</u> New	A1 - 2013
Polygraphus proximus New	A2 - 2014
Raoiella indica	Not added
Saperda candida	A1 - 2010
<u>Tetranychus evansi</u>	A2 - 2008
<u>Thaumatotibia leucotreta</u>	A2 - 2013

Nematodes		
<u>Bursaphelenchus xylophilus</u>	A1 - transferred to A2 i	

#### **Regional collaboration on PRA**

With EFSA



- Memorandum of collaboration
- Workshops:
  - Data collection in 2014
  - Modelling in December 2016!



#### PRA in EPPO- What's next?

Recent survey on the use of PRA schemes in the EPPO region and the needs of risk managers

- 24 countries answered: 70% prepare PRAs or contribute to EFSA/EPPO PRAs; PRA activity expected to increase
- Need for quite short documents (5-30p to allow prompt decision; 20-70p to decide on permanent regulation)
- EPPO Standard PM 5/3 not widely used
- Need to be more flexible to focus on key questions
- Develop PM 5/5 Express scheme in CAPRA
- Guidance on commodity PRAs?
- Numerous national PRAs produced: develop a platform to share them

### Any questions?

