



Euphresco

Presentation for TC26, 2014

With thanks to Baldissera Giovani





Euphresco

Network for phytosanitary research
coordination and funding



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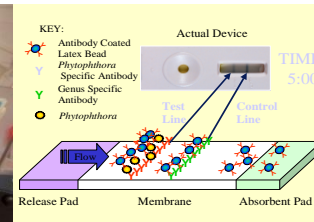
New arrivals of damaging pests....



- Damaging plant pests have increased steadily over the last century
- Global trade, potentially exacerbated by climate change, is likely to increase the risks from pests

- Madeira Declaration (2004):

- The NPPO services increasingly lack staff, funds and training
- The whole scientific basis of the phytosanitary field is quickly eroding
- Indispensable expertise and scientific disciplines will irreversibly disappear
- NPPO will be unable to do their duty

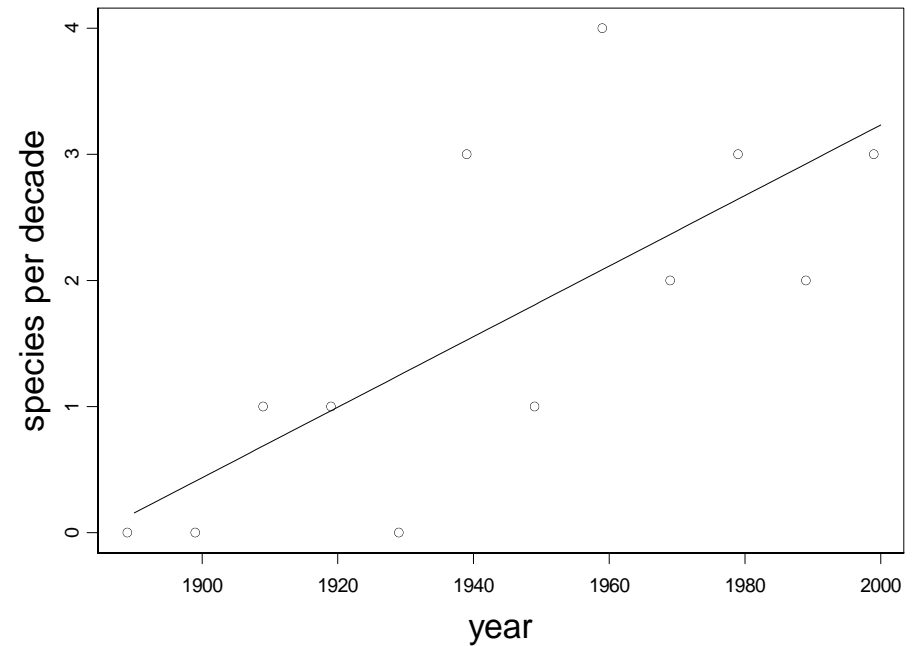
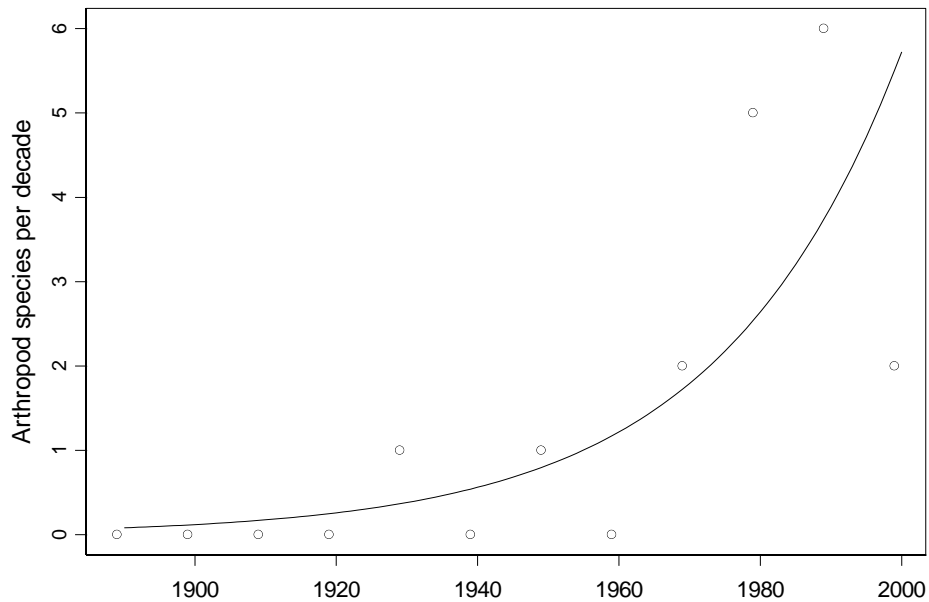


...a risk....



- First recordings of non-native arthropod **pests** in Europe (data from Smith 1997)

- First recordings of non-native plant **diseases** in Europe (including bacteria, fungi and nematodes) (Smith 1997)



... followed by an opportunity



- Need for improved coordination and collaboration between national phytosanitary research programmes and with EU-funded research
- To ensure effective support for plant health policy and its implementation across Europe



Preparing the ground



- EUPHRESKO I (2006-2010)
- From mapping programmes and identifying players to funding calls for proposals
- Two rounds for a total volume of 2.1 Million €
- 8% of the total national budget for phytosanitary research (2008-2009)
- 17 pilot projects



Some projects funded under EUPHRESKO I

- Strategies for *Ambrosia artemisiifolia* **control**
- Development and validation of innovative **diagnostic** tools for the detection of fire blight (*Erwinia amylovora*)
- Evaluating the **risk of spread** of *Scaphoideus titanus* with propagation material
- Decision support systems for **control** of alien invasive macrophytes
- Development of **validated procedures** for whole genome amplification of DNA/RNA for quarantine plant pathogens and pests
- **Ring test** on diagnostic methods for *Pantoea stewartii* spp. *stewartii*, maize bacterial blight
- **Detection and management** of the quarantine nematodes *Meloidogyne chitwoodi* and *Meloidogyne fallax*



Nurturing further growth

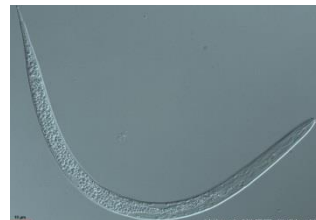
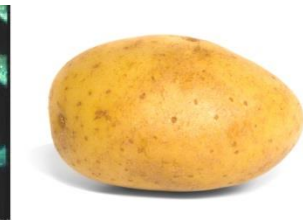


- EUPHRESKO II (2011-2014)
- Strengthening the collaboration, improving the tools and enlarging the network
- Three annual rounds for a total volume of 6.8 Million €
- 12% of the total national budget for phytosanitary research over 2011-2014
- 30 projects funded



Some projects funded under EUPHRESKO II

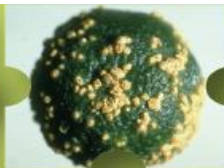
- Use of novel **molecular methods** to understand population diversity and its implications on disease management through the use of resistant potato varieties (Potato Cyst Nematode)
- Development and validation of innovative **diagnostic** tools for detection and identification of *Meloidogyne enterolobii* in support of integrated plant protection strategies
- **Epidemiological studies** on reservoir hosts and potential vectors of Grapevine flavescence dorée (GFD) and validation of different diagnostic procedures for GFD
- *Bursaphelenchus xylophilus* methods for early **detection**
- Plant Health **Fellowship**
- **IPM** strategies against Drosophilidae



Bearing fruit for the long term



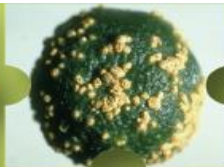
- Since April 1, 2014
- 29 partner organisations from 22 countries
- *Modus Operandi* agreed
- Coordination hosted within EPPO



Bearing fruit for the long term



- Looking for enlargement within Europe and abroad
- Widening the pool of disciplines
- Developing fast procedures to fund projects to face emergency situations



Looking for enlargement

- **Enlarge membership beyond the geographical EU borders**
 - Problems do not stop at frontiers
 - Plant pests in a given country are under control in another
 - Exchange of knowledge and good practices
- **Implement transnational projects with research organisations outside Europe**
 - Any research organisation could participate to Euphresco funded project
 - No financing through Euphresco, but collaboration with EU consortia
 - Yearly call process and funding



New round of funding now started!

- **Since November 1, discussion to identify:**
 - Research topics
 - Funders and fund for each topic
 - Funding mechanisms
- **First official topics agreed by end of summer 2015**
 - Approximate total budget for the 2015 round: 1.2 M€
 - Small-medium size research projects funded
 - Transnational projects (minimum 2 research organisations from 2 different countries)
- **Yearly round of funding**

More information ...

- **Official website:** www.euphresco.net
 - Historical overview
 - Information on projects funded through Euphresco
 - Information on funding opportunities
 - Newsletter
- **Contact the coordinator:** bgiovani@euphresco.net



Euphresco network, as of November 7, 2014

