

	EUROPEAN COMMISSION RESEARCH AND INNOVATION DG	Final Report
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COORDINATION II

Final Report

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Final Report

PROJECT FINAL REPORT

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Final Report

Please note that the contents of the Final Report can be found in the attachment.

4.1 Final publishable summary report

Executive Summary

EUPHRESKO is a Network of Phytosanitary Research Programme Funders and Managers. Its aims are to: underpin European Plant Health policy and its implementation; sustain European Plant Health science capability; optimise the use of limited resources and produce the best research outputs. EUPHRESKO-I ran from 2006-2010 and was composed 23 partners from 17 countries. It aimed to coordinate plant health research at the European (national and EU) levels for the first time and to develop and test the funding mechanisms, processes and tools for implementing transnational research projects. EUPHRESKO-II ran from 2011-2014 and was composed of 31 Partners from 22 countries. It had an emphasis on broadening and deepening the Network's activities and ensuring a strong, durable Network emerged. An external evaluation of EUPHRESKO (as a whole from 2006-2014) has identified current and expected future impacts, as well as improvements in processes and operation.

Broadening: EUPHRESKO-II has become enlarged in the following ways:

- Membership – The Network expanded to 31 Partners from 22 countries, and 14 Observers. Some key partners missing from EUPHRESKO-I were added and 4 observers subsequently became members after the project ended. The European and Mediterranean Plant Protection Organisation (EPPO) joined during the course of the project to facilitate transfer of responsibilities and tools to EPPO to implement the long-term Network. EPPO will provide the future coordination for EUPHRESKO.
- Scope – The Network strengthened regional representation, especially in the Nordic-Baltic and the Balkan and South-East European areas. Workshops explored the need and opportunities for more regional cooperation, concluding that this was not specifically needed. Increased geographical scope within and outside Europe will be further expanded via EPPO. Scientific scope was also expanded to try and ensure better coverage, e.g. increased coordination in the forest plant health.

Deepening

- Two new rounds of transnational research commissioning have been delivered, resulting in 27 new projects totalling about €6.3 Million (12% of total national budgets). A third round is being implemented.
- Almost all new and old partners (29/31) were involved in resourcing research.
- The website has been developed as a platform for research coordination via new on-line tools. New types of projects have been trialled, e.g. clustering of existing national projects, and a pilot Plant Health Fellowship Scheme. Some progress has been made on improving links with key stakeholders and on processes for initiating research in response to emergencies; these will now be strengthened via EPPO.
- Barriers to research collaboration have been better identified and some changes to national policies have already been made to better enable participation.

Durability

- A self-sustainable ERA-Network has emerged, via EPPO, with a Modus Operandi.
- Membership includes 28 Partners from 22 countries, with others seeking to join.

Summary description of project context and objectives

2.1. Context

The rate of introduction and establishment of new, economically or environmentally damaging plant pests and diseases has increased steadily over the last century as a result of expanding globalisation of trade in plant material. This is potentially exacerbated by climate change, by EU expansion creating new borders and pathways, and by a recognised decline in the resources supporting plant health activities. Although the legislation that underpins phytosanitary (quarantine/statutory plant health) policy is determined at the EU level (via the European Commission's DG SANCO and its Standing Committee on Plant Health), the research that supports Plant Health policy development and implementation, especially for specific pests of statutory importance, is mostly done at the

national level. Current trends indicate that, with the continued enlargement of the EU and much increased global trading (both in terms of volume, diversity and new trade pathways), threats from exotic plant pests (which includes diseases and invasive species such as non-native weeds) are likely to increase. Therefore, improved coordination and collaboration in the area of European phytosanitary research is vital to the following outcomes and benefits:

- To ensure effective underpinning of EU policy and its implementation (i.e. operations by plant health inspection services)
- To sustain European phytosanitary science capacity in the light of the European and Mediterranean Plant Protection Organisation's (EPPO) statement (2004) which declared that the phytosanitary basis (science and inspection services) was being eroded and that 'Plant Health was endangered' ; concerns are still on-going, as recently highlighted by the European Academies Science Advisory Council's (ESAC) Report on Plant Health .
- To optimise and make best use of limited national plant health research budgets to achieve the best research outputs.

At an EU Council Working Party Meeting of the Chief Officers of Plant Health Services (COPHS: Council Group F14) on 6 December 2004, a Presidency Note (SANCO 15479/04) on action to revive the scientific basis of the phytosanitary field was unanimously supported. This included a proposition to develop an ERA-NET for phytosanitary research, as well as other measures, such as ways to increase collaboration between diagnostic laboratories and develop thematic domains for EU support to Plant Health in Framework 7.

In 2005, a proposal was submitted to the European Union's 6th Framework Programme for a Phytosanitary (statutory plant health) ERA-NET. The proposal was successful and the EUPHRESKO (European Phytosanitary Research Coordination) ERA-NET began in May 2006; it is due to end in July 2010. It aimed for the very first time to coordinate plant health research at the European level and was composed of 23 Partners from 17 countries. It also involved six Observer member states who did not then have defined phytosanitary research programmes. The EUPHRESKO ERA-NET (EUPHRESKO-I) was also supported by an Expert Advisory Group composed of the following key stakeholders: The European and Mediterranean Plant Protection Organisation (EPPO); The European Food Safety Authority's (EFSA) plant health panel; and the European Commission's Directorate General for Health and Consumer Protection (DG-SANCO) that has policy responsibility for statutory plant health.

EUPHRESKO-I's main aim was to develop, test and build confidence in mechanisms, tools and processes for trans-national research and, for the first time, coordinate research and begin delivering transnational projects. EUPHRESKO-I (2006-2010) successfully:

- Mapped and analysed the national plant health research programmes of existing partners
- Developed mechanisms, tools and processes for implementing trans-national research
- Tested three different funding mechanisms (virtual common pot, real common pot, and a novel non-competitive funding mechanism) through the commissioning of trans-national pilot projects (learning by doing)
- Identified barriers to trans-national collaboration
- Coordinated national, trans-national and EU-funded research to optimise research outputs
- Developed a common research strategy and common research agendas
- Developed a model long-term network structure and modus operandi.

2.2. Aims and Objectives of EUPHRESKO-II (2011-2014)

The overall aim of EUPHRESKO-II was to produce a strong, durable and self-sustainable network that: fully incorporates existing and new members; coordinates national, transnational and EU funding for plant health research; implements joint, transnational research that best supports EU plant health policy (Community Plant Health Regime), operations (inspection services) and phytosanitary science capability.

The main objectives of EUPHRESKO-II were as follows:

- To strengthen the basis for a self-sustainable network through the testing of a model network structure and modus operandi such that a strong and fully self-sustainable network will emerge after 2013 with a critical mass and network structure that ensures a permanent dialogue and cooperation between funders.
- To consolidate, develop and deepen current activities that build on the successful cooperation and collaboration between national plant health research programmes in the first EUPHRESKO Project. This would be done through the following: improved process, platforms and linkages that are

fit-for-purpose in the context of future self-sustainability; continued trans-national research that further demonstrates and builds confidence in the mechanisms, processes, added value and benefits of trans-national research for supporting Plant Health policy, operations (inspection services) and science; continued optimisation of limited (in many cases declining) national resources for plant health research.

- To enlarge the network to include additional partners, both geographically and in terms of scope and commodity areas, e.g. an expansion of the representation of Forestry Plant Health and of players at a more regional level (e.g. Baltic/Nordic countries; Balkan and SE European countries), and potentially outside Europe (more international linkages with third countries and trading partners). Compared with the first EUPHRESKO Project (2006–2010), EUPHRESKO-II's objectives and outcomes can be summarised to highlight how EUPHRESKO-II will deepen and enlarge the cooperation, as follows:

See annex document for table

Description of main S & T results/foregrounds

WORKPACKAGE 1 – Coordination, Reporting, Communication and Administration

Aim

To Coordinate and Administer the EUPHRESKO-II Project.

Main Objectives

- To provide effective Project administration, including contractual, financial and project management aspects.
- To ensure effective communication with the Commission and other oversight bodies (e.g. the COPHS EU Council Working Party, EUPHRESKO-II Governing Board) through formal reporting.
- To provide effective communication of the projects aims, activities and outputs to other relevant stakeholders.
- To maintain links to other ERA-NETs and EC ERA-NET activities

Sub-WP 1.1 – Meetings (Deliverable 1.4 and 1.5)

- The First Project Management Group (PMG) was held on 25 February 2011 to discuss the project's workplan and to make arrangements for the kick-off meeting.
- The First Project Meeting (Kick-off Meeting) was held on 24-25 March 2011 in Copenhagen with partners (new and old) and observers. Additionally, a representative from Poland (NCBRI) attended the meeting; they are a prospective partner and we are continuing to explore the possibility of them joining EUPHRESKO. The Second PMG met on 23 March and EPPO attended.
- A specific WP5 "new partner and new observer" workshop was held on 27 after the project meeting; with the main aim of welcoming and integrating them into the project. Funds were made available for the observers.
- The Third PMG meeting was held on 28 September 2011.
- The Second Project Meeting was held in Rome on 14-15 February 2012 with partners and prospective new partner. The PMG met on 16 February 2012.
- EUPHRESKO held a special workshop on 15 May 2012 at JKI in Braunschweig involving 4 volunteer members of the PMG to discuss EUPHRESKO's long term sustainable network beyond EU funding.
- The Fifth PMG meeting will be held at the EPPO HQ in Paris on 9 October 2012.
- The Third Project Meeting will be held in February 13-15 March 2013 in Lisbon.
- The Sixth PMG meeting will be held after the Lisbon Project Meeting.
- The Seventh PMG meeting will be held at the EPPO headquarters in Paris on 14-15 October 2013 and incorporated a workshop on research priorities for Horizon 2020 (the EU Research Programme) under EUPHRESKO's COPHS mandate.
- The Final PMG was held on 26 March 2014 after an open Governing Board Meeting.
- An Open Governing Board Meeting was held alongside the Final Conference. Others could attend this GB Meeting as observers. The meeting was held on 25 March 2014. The WP Leaders presented the progress and final outputs of their workpackages (uploaded as additional evidence against Deliverable 1.1 and 1.9). The Coordinator presented progress against the success criteria/indicators. The modus operandi was accepted by the GB. There was then a hand-over ceremony in which: the modus operandi was handed to Martin Ward (Director General) of EPPO as part of the transfer of the coordination and secretariat functions; a 'baton' was passed from the Fera EUPHRESKO Project Office to the new Coordinator (Baldiserra Giovanni, EPPO) of the long-term EUPHRESKO Network;

EUPHRESKO paintings were handed over from the EUPHRESKO Coordinator and Project Office to EPPO Staff.

- The Final Dissemination Conference and Launch Event for the Long-term, Self-Sustainable Network' was held near Paris on 26 March 2014. Presentations are available on the website and uploaded as Deliverables. The event was ambitious but successful, focussing on: perspectives on EUPHRESKO from a range of actors (old partners, new partners, funders, policy makers, researchers with experience of different types of projects) so that lessons could be learnt and future operation of Network improved; overall progress made with EUPHRESKO (EUPHRESKO in Action); the future research landscape for Plant Health and future prospects and opportunities via EPPO Coordination and Secretariat functions.
- Two parallel workshops were also held on 27 March 2014 immediately after the Final Conference: (a) a small workshop of invited attendees as part of the EUPHRESKO Impact Evaluation (as part of WP2), but also; (b) an EPPO-led workshop exploring issues, with other conference attendees, on how EPPO might best build on EUPHRESKO-I and EUPHRESKO-II experiences. Overall, the meetings held between 25-27 March 2014 raised awareness of the benefits of EUPHRESKO and the prospects for further future improvements to its operation and its expected impacts.

Sub-WP 1.2 – Reports

- The 6-month and 12-month informal reports for the Commission were produced (Deliverable 1.2). The Commission then advised that interim reports were not needed.
- The 18-month periodic technical report (RP1) was submitted to the EC Desk Officer; the financial reporting and amendments were delayed, but eventually accepted by the Commission. (Deliverable 1.7). The 39-month RP2 technical report was drafted and provided to the Commission by 30 June 2014; the financial reporting will be done once partner amendments have been completed by the Commission. (Deliverable 1.8).
- DG Research advised that that formal project reviews were not needed for ERA-NETs.
- The Final Report (Deliverable 1.10) was produced and submitted soon (3-months) after the end date of the project (draft provided to commission on 2nd June 2014; final version with dissemination table added provided on 30th June 2014).
- A report to the COPHS was produced for their meeting 7-8 June 2011 meeting. Other reports and inputs were also subsequently produced for the COPHS's 6-monthly meetings, including a special presentation of EUPHRESKO's Progress (including a poster session) and future long-term prospects on 7-8 June 2012.
- Various ERA-Net-related survey returns were made by the Coordinator for the Commission.

Sub-WP 1.3 – Communication

- The project website was re-launched at the start of the EUPHRESKO-II Project. Project details were updated from EUPHRESKO-I to EUPHRESKO-II. At the end of the EUPHRESKO-II Project, the website of the long-term Network was re-launched by EPPO after its transfer across to them (as part of WP4).
- The first electronic newsletter (Deliverable 1.3) was produced in October 2011 and a link emailed to over 500 stakeholders. The website front page invited on-line registration for newsletters.
- We publicised the newsletter, the launch of EUPHRESKO-II and the outputs from EUPHRESKO-I via The European and Mediterranean Plant Protection Organisation (EPPO) website in summer 2012. The second newsletter was produced after the EPPO Council meeting in April 2013, allowing their decision on the future of the EUPHRESKO secretariat to be included. The Final Newsletter was produced in conjunction with EPPO immediately after the Final Conference and Launch Event of the long-term Network at the end of March 2014.
- EUPHRESKO posters displaying the aims of EUPHRESKO-II, the successes of EUPHRESKO-I and some key research project outcomes were made available from Fera. They were loaned for meetings and conferences, e.g. the posters were used at the Dutch Phytopathological Society annual meeting in Amsterdam and at the Commission on Phytosanitary Measures (CPM), held at the FAO in Rome in March 2012, as well as the previously mentioned COPHS meeting.
- A brain storming workshop between FACCE and ERA-NETs held in Paris in October 2011 was attended by Sylvia Blümel (EUPHRESKO PMG member).
- The Coordinator attended the PLATFORM KO meeting in Brussels on 1-2 February 2012. Two members of the EUPHRESKO PMG will be attending the first PLATFORM ERA-NET meeting in June 2012 in Copenhagen. EUPHRESKO continues to participate in PLATFORM.
- EUPHRESKO, via the PMG, contributed to the FACCE (Joint Programming Initiative (JPI) on

Agriculture, Food Security and Climate Change) consultation on “key priorities and areas for research to contribute to the goals of food security and sustainable agriculture in the face of climate change”. EUPHRESKO’s contribution was submitted on 28 March 2012.

- EUPHRESKO representatives attended a meeting of the EU-funded ISEFOR project (links to WP5 and building research opportunities in the area of forestry plant health).
- The Coordinator attended a workshop on ‘Diagnostic Reference Laboratories’ organised by DG-SANCO and ANSES (France) in Paris on 26-27 March 2012 as an invited speaker presenting EUPHRESKO’s contribution to research and support for diagnostics. Travel & accommodation costs were reimbursed by DG-SANCO/ANSES.
- An updated EUPHRESKO Leaflet was produced ((Deliverable 1.6) for partners to use.

Sub-WP 1.4 – Project Administration

- The contracts were signed by all partners and by the Commission.
- The first advance payment was received from the Commission and was distributed to all project partners in accordance with the conditions of the EU Contract.
- The second payment for PR1 was received and is being distributed in accordance of the conditions of the contract. The final payment will be distributed according to the conditions of the EU Contract and the final report of EU contribution distribution will be entered onto the Portal.
- The virtual Governing Board (GB) membership was established (Deliverable 1.1). Although it was a ‘virtual’ Governing Board, it did meet once, at the Final Dissemination Conference, where it agreed the final modus operandi and accepted verbal reports from the Coordinator and Workpackage Leaders on EUPHRESKO’s final progress and achievements.
- The Project Advisory Board (PAB) membership was confirmed. The PAB was composed of representatives from EUPHRESKO-I’s previous Expert Advisory Group (EPPO, EFSA and DG SANCO) and 4 nominated members of the virtual GB.
- The Project Management Group (PMG) has now met to discuss Technical, management, communication and governance issues (see ‘Meetings’ above).
- A consortium agreement (CA) was completed and signed by all Partners.
- A forward job plan (FJP) was produced for each workpackage as a management tool for WP leaders and updated periodically, e.g. in relation to PMG and Project Meetings.
- The Coordinator logged various partner changes (e.g. organisational names) for amendments to be made at the appropriate time, e.g. in relation to reporting periods. During the project three partners underwent a partial transfer of rights and obligations and the new legal entities were added to the project, Partner 7 NSPP rights and obligations were taken over by partner 33 AA, Partner 9 DFIA rights and obligations were taken over by Partner 34 DASTI and Partner 23 INRB rights and obligations by Partner 35 INIAV I.P; and EPPO was added as a New Partner (32).
- The Coordinator and partners made entries into NetWatch on topic rounds.

Handover Ceremony at the EUPHRESKO Governing Board Meeting (25 March 2014) Picutre in annex file

WORKPACKAGE 2 – Implementing, testing and refining the long-term self-sustainable network structure

Aim

WP2 aims to implement, test and refine the proposed model network structure and modus operandi from the current EUPHRESKO project. The overall aim is to ensure that the EUPHRESKO network can continue in a durable and self-sustainable way after 2013, in order to deliver effective transnational research coordination and collaboration in support of the Community Plant Health Regime. Further, it aims to build confidence and experience in the network’s management structures, modus operandi, processes and tools that are needed to implement transnational research, thereby demonstrating the added value and benefits of involvement in the network. The work will consolidate and build on the success of previous EUPHRESKO-1’s outputs and establish a culture of collaboration and a regular network routine.

Main Objectives

- To implement and establish the proposed (from EUPHRESKO-1) structure and modus operandi of the long-term self-sustainable network.
- To evaluate and refine the structure and modus operandi of the long-term network of funders to ensure that a strong, long-lasting and self-sustainable network emerges.
- To maintain ongoing core network activities that underpin transnational research coordination and

collaboration, e.g. mapping activities and database updating; dissemination of transnational research outputs; advising on plant health research priorities in FP7; maintaining linkages to key stakeholders; maintaining the EUPHRESKO toolbox.

Sub-WP 2.1 – Implement the long-term network leadership & management structure

- The ‘first draft’ Network Management Group (NMG) was established. It comprised the previous EUPHRESKO-1 workpackage leaders (AT-AGES; DE-JKI; FR-DGAL; NL-EL&I; UK-Defra) for continuity. NMG Portfolios of responsibilities (Deliverable 2.1) were outlined in the proposal and individual members of the NMG assigned to lead them as shown below:

NMG 1: Coordinator and secretariat – with responsibility to lead the NMG (led by UK-Defra) = identical with WP 1

NMG 2: Processes and tools (led by DE-JKI, supported by NL-EIZ, NL-PPS)

NMG 3: Network linkages (led by DE-JKI, supported by FR-DGAL)

NMG 4: Implementation of joint activities (led by AT-AGES, supported by NL-EIZ, NL-NPPS, FR-DGAL) = identical with WP3

- The portfolios were partitioned into more concrete tasks for which partners' contributions were asked. An internal timetable for these tasks was developed and circulated to all partners. NB. The contribution of partners to the portfolios is voluntarily.

- EUPHRESKO's longer-term network sustainability and financial support was considered further during the course of the Project. The two avenues explored were:

1. Involvement of DG SANCO

- As previously reported, part of the Review of the EU Plant Health Regime, DG SANCO asked EUPHRESKO to outline (with costings) ways in which DG SANCO might support EUPHRESKO activities in the long-term, if resources were available as part of the new plant health regime.

- In a COPHS Meeting in June 2012 participants from WP1 and WP2 formulated the request to consider support from DG SANCO.

- A letter on this matter from the COPHS presidency to DG SANCO was sent.

2. Involvement of EPPO

- One EPPO member (Austria) proposed that the EPPO Executive Council discuss, in its meeting in September 2011, whether the coordination of European research might fit within EPPO's portfolio and whether the EPPO Secretariat could provide the structures for the secretariat functions of a long-term sustainable EUPHRESKO network. Both EPPO and all EUPHRESKO partners noted the potential benefits of such a relationship.

- A specific workshop was held on 15 May 2012 at JKI involving members of the PMG and other interested parties to discuss the details of such a relationship. The tasks expected from EPPO when taking over the secretariat function were defined and a summary paper sent to EPPO, DG SANCO and COPHS.

- EPPO's Coordination and Secretariat function for EUPHRESKO was approved by the EPPO Council. EPPO will provide these functions over at least the next two years from 1st April 2014. This is based on small subscriptions from those partners wishing to remain in the long-term Network. This is considered an interim position, bridging the gap between the end of EUPHRESKO-2 and potential co-funding of the EUPHRESKO Secretariat in EPPO with the Commission's DG-SANCO.

- A new Coordinator has been appointed: Baldiserra Giovani (new EPPO Scientific Officer) starting in June 2014. The EUPHRESKO website has also been transferred to EPPO.

- The modus operandi for the long-term network was adapted to reflect EPPO's role and the MO signed-off by the Governing Board (see Sub-2.3).

Sub-WP 2.2 – Maintain on-going network activities

Routine on-going activities that fall to individual NMG portfolios include:

Advising on FP7 Plant Health research priorities: This was done under a mandate from the COPHS (EU Council Working Party of Chief Officers of Plant Health Services). Two topics were put forward in 2011 and one of these ('Development of seed testing methods for pests and pathogens of plant health concern'), with the support also of DG SANCO, was included in the 2012 Workprogramme. Contact was established with the new officer in DG Research (Juli Mylona, replacing Jean-Francois Maljean for Plant Health FP7 issues).

From the topics supported by EUPHRESKO for 2013, two were included in the FP7 Workprogramme ('Control of pests and pathogens affecting fruit crops'; and 'Improved coordination and collaboration for European reference collections'). EUPHRESKO also advised on Plant Health text in the first two-year programme in Horizon 2020, at both the topic and the specific text levels.

The call on 'Practical solutions for pests and invasive alien species affecting plants' has reflected the advice from EUPHRESKO, ensuring that plant health is considered as part of the continuum that also includes wider crop protection and integrated pest management. This ensures two-way synergies between plant health and crop protection issues.

- Implementation of transnational projects: – see WP3 and WP4 reports.
- Mapping activities: the PMG agreed that the timetable for mapping national programmes in WP2 should be aligned with that in WP5. The questionnaire originally developed in EUPHRESKO-1 was adapted for use in EUPHRESKO-2. All partners new and old were asked to complete the survey by the end of August 2012.
- Linkages (European): EUPHRESKO has joined the PLATFORM ERA-NET, a new Coordination Action linking together KBBE ERA-NETs. The main focus of activities are mutual learning and understanding between KBBE ERA-NETs such as self-sustainability, assessing impacts of ERA-NETs and their projects, drawing together common tools, processes and best practice and exploring opportunities for collaborations (ERA-NETs, JPIs, ETPs); inputs were on-going in RP2. EUPHRESKO attended and presented at the 'Continuing ERA-NETs' workshop organised by the Commission in November 2010 and the PLATFORM ERA-NET kick off meeting at the beginning of February 2012.

http://netwatch.jrc.ec.europa.eu/nw/index.cfm/static/event_5.html

- EUPHRESKO also attended the MIRRI kick off meeting in November 2012.
- Linkages (International): Since the beginning of the project, EUPHRESKO has made contact with some potential non-European collaborators in Canada, who are part of a the larger QUAD that includes USA, NZ.
- Updating of the Common Strategic Research Agenda – (Deliverable 2.5): A light-touch review of the Agenda was made and it was updated and then reviewed by all partners at the following annual meeting in March 2013. A further review was delayed with regard to the revision of the plant health system of the EU, as the expected changes will affect the future needs of the EUPHRESKO partners to a significant extent.

Sub-WP 2.3 – Evaluate and refine network model and its modus operandi

- The modus operandi for the future self-sustainable network was presented at both the KO meeting in March 2011 and the first annual meeting in February 2012. A questionnaire for EUPHRESKO partners was prepared and the MO reviewed (Deliverable 2.2). The second review was also completed in reconciliation with the other workpackage leaders and the Project Management Group, as the future involvement of EPPO was already under discussion; the draft was presented to the partners at the project meeting March 2013 in Lisbon (Deliverable 2.3).
- For the third and final review of the modus operandi (Deliverable 2.4), two activities were done: (1) adaptation of the MO to reflect the newly established role of EPPO in providing the coordination and secretariat functions for EUPHRESKO from 2014 (e.g. through defining tasks that the governing board subsequently signed-off); (2) an impact evaluation of EUPHRESKO which aimed to highlight areas where EUPHRESKO could improve its operation in the future. This second task took two main forms: a formal external evaluation through questionnaires to key players and a small targeted workshop, and a more informal but open workshop led by EPPO immediately after the EUPHRESKO Final Dissemination Conference on 27 March 2014.
- The key conclusions from the impact assessment of the EUPHRESKO-I and –II were:

(a) EUPHRESKO has effectively facilitated the coordination of transnational phytosanitary research across a significant part of Europe and substantially raised the profile of such research amongst scientists, research funders and policymakers and provided enhanced opportunities for interactions between these groups.

(b) EUPHRESKO has facilitated the funding and delivery of a suite of disease specific projects which has fed directly into changes in plant health measures and operational procedures. This included the potential to fund projects relating to emerging threats more rapidly.

(c) There has been the opportunity to ring test existing and new diagnostic methods so that there is now greater confidence in their international use.

(d) Various phytosanitary topic networks of scientists have been established across Europe, some of which have become self-sustaining beyond initial projects.

(e) EUPHRESKO has acted and continues to act as a conduit of influence on the format and content

of EU Research Programmes (specifically FP7 and Horizon 2020).

(f) It has created opportunities for researchers and policy makers to make better use of European wide plant health science resources rather than rely solely on their own national capability and capacity.

(g) It provided the opportunity for some development of research capability and capacity for the underpinning of plant health policy in the EU.

(h) The structure and governance of EUPHRESKO was regarded as being generally effective although the Secretariat was clearly stretched at times and much of the project management fell on the shoulders of a few very committed individuals.

(i) A number of funding mechanisms were tested and some partners have changed their own national approaches to funding transnational research as a result.

(j) EUPHRESKO-II succeeded in broadening and deepening the cooperation the activities of EUPHRESKO-I.

Overall, the analysis showed that EUPHRESKO had successfully achieved its aims and objectives and had had a significant impact on phytosanitary research in the EU.

• In the future, as EPPO takes on the role of hosting the EUPHRESKO ERA-Network, the reviewers recommended that EPPO and the EUPHRESKO ERA-Network consider:

(a) How it can become a proactive knowledge exchange hub for the collection and dissemination of research findings across Europe which is accessible to and effectively utilised not only by scientists but also by practitioners, policy makers and stakeholders.

(b) How to develop a funding model whereby there is maximum flexibility for funding ongoing applied research into specific pests and pathogens and, where appropriate, the ability to provide rapid response research to emerging plant health issues.

(c) How to build on the initial mapping work of EUPHRESKO-I in order to audit and monitor phytosanitary science capability and capacity across Europe and use EUPHRESKO to sustain and develop it.

(d) How to ensure that EUPHRESKO continues to influence EU thinking on phytosanitary issues and indeed beyond in the wider international arena so that policymakers articulate and accommodate research priorities.

(e) The need to develop some interdisciplinary research approaches.

(f) How to improve the engagement and commitment of EUPHRESKO Partners so that the financial and management load is more equitably spread.

WORKPACKAGE 3 – Deepening through transnational research projects

Aim

This workpackage aimed to deepen the European plant health research network cooperation by delivering new transnational research activities, especially coordinated or jointly-funded research projects. These will further support the development and implementation of plant health policy and improve the phytosanitary science base in Europe. Such joint research activities will build additional confidence and experience in joint transnational research commissioning and demonstrate the added value and benefits that result.

Main Objectives

- To identify, prioritise and select transnational research topics suitable for cooperation and collaboration, especially jointly-funded projects, including consultation with current key stakeholders and advisors.
- To initiate transnational research collaborations to support EU plant health policy, operations and science capability.

Sub-WP 3.1 – Identify, prioritise and select topics and mechanisms for transnational research activities (Deliverables 3.1, 3.2, 3.3)

Within EUPHRESKO II three annual rounds of research initiation were established from 2011 to 2013. While WP3 of EUPHRESKO-II, supported by the Project Management Group (PMG), arranged for the establishing of the initiation phases, the Topic Coordinators (TC) were responsible for the administrative efforts in the implementation phases.

The timetable and procedures for the of research initiation rounds were developed and established with assistance from PMG and by adapting and implementing the ERALEARN toolbox cycle phases for research call planning and implementation (DLs 3.1, 3.2, 3.3). The EUPHRESKO-I recommendation to improve the topic suggestion and topic selection process with regard to increased transparency and participation of all interested partners led to an iterative procedure of applying

agreed eligible criteria subsequently to topic finding workshops for all 3 research rounds. While the more complex criteria were used for the evaluation of the topic suggestions by the topic reviewer in all research rounds, those criteria that were easier to be automated in an online procedure were included in the online processing tool for automatic selection on the EUPHRESCO website. The timetable and the newly developed online topic suggestion and processing tools were placed on the EUPHRESCO website with access to more detailed information for EUPHRESCO users with a member's login. In the subsequent phase "Joining of listed topic suggestions" partners added their potential interest, potential funds, preferred funding mechanisms and potential project duration to the listed topic suggestions, thus providing input for a first topic selection. To avoid major overlaps of topics in the topic suggestion list, topics were merged through an automatic online procedure after request and agreement by the concerned partners. WP3 provided detailed "Reviewer-comments" on all suggested topics including information about potential overlaps with completed or ongoing EU-FPs, EUPHRESCO or other European research projects, the pest status as harmful organism of actual phytosanitary concern (listing in the 2000/29 EC Annexes or EPPO lists) and links to websites with further relevant information. Subsequently a long list of topics was arranged and the second topic selection step (TC-assignment) was prepared.

Overall the development and use of the newly developed online tools resulted in a facilitation of the process administration (DL3.4 for time requirements).

For the funding of topics the originally developed "pure" funding mechanisms non-competitive (NC), virtual common pot (VP), real common pot (RP) as well as a newly developed mixed funding mechanism (NC & VP) were applied. Thus the recommendation from EUPHRESCO-I to use funding mechanisms to provide more flexibility with regard to the need and potential for competition, i.e. topic dependent was realized by the development and successful use of a new mixed funding mechanism, despite starting problems due to the higher complexity of the process.

Combined graph of ERA learn cycle (blue) and EUPHRESCO initiation and implementation phases in annexes

Sub-WP 3.2 – Implement joint research activities (Deliverables 3.1, 3.2, 3.3, 3.4)

Within the three annual rounds of research initiation EUPHRESCO-II from 2011 to 2013 partners (+ one observer) participated in 179 research funding activities within 30 topics selected for funding. All EUPHRESCO-I partner countries participated in at least 1 project as well as 84% of the new partners. 50% of the partner countries provided the 14 TCs for 30 funded topics. In total the amount of decided funds in all 3 research rounds accumulated to about 6.8 mill €.

EUPHRESCO II - Participation in transnational research activities per partner country (€) in annexes

The top three primary topic areas covered with regard to crops were related to potatoes (& solanaceae), fruit crops and forestry, whereas the major secondary topic area was diagnostic methods.

EUPHRESCO II – Funded topics per (primary and secondary) topic area in annexes

As new collaboration mechanisms both regional and crop related workshops and topic related workshops were carried out successfully.

WP3 Implementation of joint research activities

Table 3 in annexes

WORKPACKAGE 4 – Deepening through improved processes and tools for transnational cooperation

Aims

This work package contributes to the joint research programming and commissioning in the phytosanitary domain by providing tools, analysis and concrete directions to better organise and administer the cooperation.

Main Objectives

As previously indicated in our 12-month report; during 2011, the first year of the EUPHRESO2, Workpackage 4 was confronted with the prolonged absence of the French co-coordinator of this Work Package DGAL due to changes in both Ministry responsibilities and job roles. As a consequence a number of the proposed deliverables could not be worked on at all. Also, since the project proposal for EUPHRESO 2 was elaborated, certain components of the Description of Work have become obsolete. Various activities have been undertaken by third parties, i.e. EPPO, EFSA and others and various activities have lost their urgency owing to changes in both scientific and ministerial priorities.

For these reasons, the EUPHRESO Project Management Group, on 28 September 2011 in Paris, decided to review the content of Workpackage 4 to ensure its outcomes would better fit EUPHRESO's remit. The Plenary meeting in Rome, on February 15 2012, endorsed these proposed changes. The changes fall into three categories: (1) proposal for delay of some deliverables, (2) proposal for deletion of some deliverables and (3) proposal for a merger of some deliverables that are overlapping in purpose and content.

This revision consists of the merger of activities with which overlap already existed, and the withdrawal of activities that have lost their meaning. In the remaining activities strong emphasis is laid on the development of the 'market place', directly assisting the process of identifying topics of common interest, pooling of financial resources and the organisation of common research commissioning, i.e. the whole process supporting the 'common calls'.

The following text reflects a revised DoW for Workpackage 4, taking into account EUPHRESO PMG deliberations in Berlin (15th May 2012) and Paris (9th October 2012).

The overall aim of this work package is to develop and enhance approaches for a 'market place' for funders that better facilitates and strengthens trans-national cooperation in phytosanitary research. On this platform information is exchanged between funders and/or scientists. It should facilitate faster identification of common priorities, faster coordination of joint expertise and better exploitation of both reference material and specialised facilities. Outputs of this work package will feed directly back into WP3 and support and facilitate on-going trans-national activities. Specific objectives are as follows:

- To develop improved technical possibilities (platforms and processes) for operating and enhancing the virtual phytosanitary 'market place' where common research needs of funders are identified and prioritised and where easier access to specialised expertise, reference material and specialised facilities is realised. Funders with similar needs join forces and trans-national research projects can then be initiated to better address these needs. This will include improving, adapting and developing the existing use of the EUPHRESO website as a key tool for the market place.
- To facilitate easy exchange and rapid access to information and knowledge between National Plant Protection Organisations, the research establishment, EU bodies, e.g. SANCO, EFSA, and other relevant international institutions, e.g. EPPO.
- To create more opportunities and to explore new and creative ways of delivering trans-nationally funded research that addresses plant health policy, operations and science questions. One particular motivation to develop such enhanced possibilities is the need to react quickly to problems (creation of an emergency track for initiating plant health research, both with regard to the procedure and the funds available).
- To enhance the potential for trans-national research commissioning by identifying specific national barriers to funding collaborations and by exploring strategies to overcome these barriers.
- To explore and enhance linkages to other key stakeholders (both at national and trans-national

levels) for improved agenda setting and research collaboration, and enhance linkages to plant health activities and coordination mechanisms.

A leading philosophy for the activities developed in WP4 is that all approaches must signify simplification and financial efficiency, i.e. be fit-for-purpose within the context of the future self-sustainable, long-term network. This holds for the 'market place' too.

Sub-WP 4.1 – Strengthening platforms and processes for the phytosanitary market place and for information exchange

- A workshop, uniting IT-experts and EUPHRESKO representatives took place on 27th September 2011 at the EPPO HQ in Paris. The outcome was an extensive and prioritised list of functions (Deliverable 4.1.1) that the website should provide, and are feasible and affordable. In the proposed design for the website, absolute priority is given to those functions assisting the activities of Work Package 3 who organises the joint calls for research projects.
- A great deal of progress has been achieved to develop online tools to assist the initiation of collaborative research. These tools were tested in EUPHRESKO-II topic rounds and will be used for future rounds of research calls (Deliverable 4.1.2). A further workshop to progress the website was held later in the year at EPPO in Paris in September 2012.
- Intensive contacts between IT-experts from EPPO and DEFRA, with significant content input from the Call Secretariat (WP3) based on their practical experiences, resulted in a vastly improved automated topic selection mechanism on the EUPHRESKO website. This IT-module includes pages and tools for topic contributions, funding commitments, deadlines and cut-off dates, registration of project coordinators and topic coordinators, selection criteria (number of contributing countries, final financial commitments, etc.), submission of partner names, project descriptions, etc. etc. (Deliverable 4.1.2)
- One thorny issue laid in the fact that the original website, hosted by UK-DEFRA, was written in a proprietary computer language for which annual license fees need to be paid. As EPPO was to take over from DEFRA the maintenance and management of the website, and because EPPO was using an open-source computer language for its website, a project was undertaken to 'translate' the static and dynamic components and contents of the EUPHRESKO website to EPPOs standard, executed and supervised by the EPPO IT expert. A welcome side-effect of this exercise was that in the newly written website all redundant and obsolete computer language could be shaken off, and the presentation of the website, including user-friendliness, was completely modernised (Deliverable 4.1.3). The website has now been successfully transferred to EPPO (www.euphresco.net) with archived web-content still accessible (www.euphresco.org) (Deliverable 4.1.4).

Sub-WP 4.2 – Creating more opportunities for transnational funding collaboration

- Identifying and addressing barriers to cooperation: EUPHRESKO-II partners received a questionnaire with which they reported their national barriers to increased cooperation in research programming and commissioning. The work in this task was executed by the Flemish and Federal Belgium EUPHRESKO partners with input also from our French partners. On the basis of the responses received a report was produced as a Deliverable (Deliverable 4.2.1).
- Amongst other things, the application of the 'Real Common Pot' mechanism, also in EUPHRESKO-II, has progressed with expression of serious interest to join, by various partners, notably the Netherlands and the United Kingdom, whereas others were interested but put forward political, financial and legal restrictions on their contribution to real transnational funding of research.
- Key characteristic of this deliverable is that ERA-nets can engage in, and show more in their collaboration in the area of research and innovation that merely being a 'call machine' based on the 'Virtual Common Pot' funding mechanism. One of the key drivers for the creation of ERA-net EUPHRESKO was, and is, the noted decrease of science capability, especially in the conventional disciplines that make up most of the relevant science infrastructure, e.g. entomology, bacteriology, etc.. This erosion of expertise can be addressed by commissioning relevant research projects, but it can also be addressed by linking the training of new specialists to those relevant research projects. And so a 'fellowship' scheme was devised, with a real common fund of over 600.000 euros, which was competitively tendered and awarded to the five highest quality and most creative projects (Deliverable 4.2.2). To a large extent these projects are directed at students, at the MSc-level, to PhD-students and post-docs. Students and staff in these projects will work in both countries funding the projects, alternating between the two. This addresses on-going concerns about phytosanitary science capability and capacity in Europe (highlighted in the EPPO 'Plant Health Endangered' Madeira Declaration of 2004, since reflected in the EASAC Report on Plant Health, 2014) – See

Footnotes 2 and 3.

Sub-WP 4.3 – Improve engagement, sense of urgency and responsibility with stakeholders

- The deliverable in this task is a report with analysis, strategy and recommendations to NPPOs on how to collectively better deal with emergency phytosanitary problems, focussing on joining national resources for better, quicker and more efficient science (Deliverable 4.3.1). It takes into account work already done, resulting in a most practical flow chart starting with the identification of a research project and ending with the creation of a funded applied research project.
- This is fundamentally different from work done so far, which was mostly limited to the identification of a phytosanitary emergency situation, and which may include systems and processes of rapid notification. It would then be up to the receiver of the notification to, unilaterally, take decisions on the establishment of a research project.

Picture in annexes

WP5: Enlarging the Network Cooperation

Aim

WP5 aimed to increase and encourage the involvement of additional organisations with an interest in transnational research collaborations (e.g. new partners, observers and others). It will broaden the potential cooperation of the network, especially regionally within Europe, more internationally (third countries) and in some previously under-represented sectors (e.g. forestry plant health). Expanding EUPHRESO's links more internationally will provide research opportunities that will help support the Community Plant Health Regime. In particular, wider international cooperation would enable research on quarantine pests to be done in their countries of origin. International cooperation may be both at the programme level (between national funders) or at the project level (inclusion of more research providers from non-European countries within transnational projects).

Main Objectives

- To attract and integrate more EU member states, associated countries and third countries, e.g. selected International Cooperation Partners Countries (ICPC's) into the EUPHRESO network.
- To explore opportunities and, if relevant, implement regionally-based transnational plant health research (i.e. on specific regionally-based crops or pest issues) and sector-based (plant production sectors, e.g. forestry plant health) under-represented in EUPHRESO-1.
- To explore possibilities and implement, as appropriate, collaborations with third countries, including some ICPC's and developed countries, with similar plant health problems as EU to EUPHRESO-2.
- To explore possibilities and, if possible, implement collaborations with certain third countries (e.g. ICPC's) which are currently sources of plant quarantine pests of concern to the EU.

Sub-WP 5.1 – Integrating new European Partners, engaging with European Observers and outreach to other European and Mediterranean countries

- A specific workshop to welcome and integrate the new partners and observers to the EUPHRESO 2 project was held alongside the first Kick Off meeting in Copenhagen on 27th March 2011 (Deliverable 5.1). The meeting provided a great opportunity for new partners and observers to learn about EUPHRESO; they heard the success of EUPHRESO-I, the benefits of being part of EUPHRESO and the aims and aspirations of EUPHRESO-II. The workshop had time allocated for each new partner to introduce themselves, to speak about their institutes and the national plant health programmes as well as to share their expectations of the benefits of being part of EUPHRESO consortium.
- New partners chose mentors from the 'old' EUPHRESO-I partners. New partners were again specifically welcomed at the first annual meeting in Rome in February 2012 and were encouraged to take full advantage of their mentors past experiences of being in the network both in terms of research project participation and project administration in relation to finance requirements.
- The PMG agreed that the timetable for mapping national programmes in WP2 should be aligned with that in WP5.
- Hungary, Latvia, Sweden (Observers) have joined the long-term ERA-Network (success criteria); the USA is exploring membership for mutual research benefit. EPPO joined as a partner, facilitating the longer-term Coordination and Secretariat function of EUPHRESO. In addition to the 9 Observers, Poland NCBIR attended project meetings; some 3rd Countries (Algeria, Morocco, NEPPO) engaged in workshops.

Sub-WP 5.2 – Exploring regionalisation of specific plant health problems and increased inclusion of

plant-producing sectors under-represented in EUPHRESKO-I (Deliverable 5.2)

- A workshop exploring regionalisation of specific plant health problems in the region of the Baltic Sea and Nordic countries was held in Tallinn 1–2 December 2011. The main conclusion from this workshop was that there was some limited under-representation of some plant sectors or crops (e.g. strawberry and *Vaccinum* species) but otherwise no other crops were under-represented in the EUPHRESKO initiated projects to date.

- Concerning specific plant health problems the conclusion was that the unique Nordic-Baltic regional problems have been covered in a more satisfactory way under EUPHRESKO-2 than under EUPHRESKO-1. The recommendation is to include much more general plant health topics as for example the influence of climatic changes and import of plant products for energy production on plant health in the future call rounds.

- A workshop exploring EUPHRESKO partners mandates to fund forestry research and important forestry plant health threats was held in Vienna 17–18 January 2012. The main conclusions from the forestry workshop were:

There has been an increase in forestry plant health threats both in number and impact over the last decade, which hopefully will result in more EUPHRESKO initiated projects in forestry in the future. EUPHRESKO was recommended to:

NOT to set up a permanent forestry working group under EUPHRESKO

To invite national forestry research funders, who at present are non-EUPHRESKO-partner, to join or be associated to EUPHRESKO.

To consider including more general topics in future topic call rounds.

To consider arranging a European stakeholder/funder workshop on forestry plant health in cooperation with ISEFOR.

These conclusions were confirmed by the EUPHRESKO General Assembly at the first Annual Project Meeting 14–15 February 2012 in Rome.

A reminder was sent by WP5 to all EUPHRESKO partners and observers at the start of the 2nd topic identification round in 2012 to remember to contact national forestry research funders, who at present are non-EUPHRESKO-partner, and inform them of the 2nd topic initiation round and invite them to suggest and fund forestry topics.

A workshop exploring regionalisation of specific plant health problems in the region of Balkan and Eastern Europe was held in Sofia 28–29 February 2012. The main conclusion from the Balkan-Eastern European workshop was that there are no specific regional plant health problems in the Balkan-Eastern European region making a regional approach irrelevant (unnecessary) for EUPHRESKO. On this background no further recommendations were worked out.

Sub-WP 5.3 – Association of third countries with similar plant health problems as the EU

- International Cooperation Department in Warszawa, Poland represented by Mrs O#esia Witowska has in October 2011 delivered an official request to join EUPHRESKO-2; the Polish candidate partners were invited to attend the first annual meeting in February 2012. Unfortunately, they were not able to join in the end, though remaining in contact with the Project. Polish membership will be explored further in the long-term Network via EPPO.

- WP Leader Steen Lykke Nielsen invited Dr Yuval Eshdat, The Chief Scientist, Ministry of Agriculture and Rural Development of Israel to join EUPHRESKO-2, but until now without success.

- WP- leader Steen Lykke Nielsen has since June 2012 contacted an Israeli scientist (V. Soroker), who has expressed high interest in collaboration with EUPHRESKO to contact an Israeli funder for further progress. No response has yet been obtained.

- Furthermore B. Stephenson in the Science Policy team in the Ministry of Agriculture & Forestry of New Zealand has been invited to explore EUPHRESKO and the possibility to be associated partner. No response has yet been obtained.

- A merging plan for associating 3rd countries has been developed and adopted by the EUPHRESKO's General Assembly at the First Annual Project Meeting 14–15 February 2012 in Rome and by the PMG at the following PMG-meeting 16 February 2012 in Rome (Deliverable 5.3). The merging plan was adopted (for EUPHRESKO-2) and included in the Toolbook on the EUPHRESKO web-site as follows:

3rd countries will be offered status as observers

- # 3rd country observers will have to fill in a Letter of intent
- # 3rd country observers will have full access to topic proposal lists but only access to results from the projects they participate in
- # 3rd country observers are expected to raise funding for participation in at least one round of research topic market place
- # 3rd country observers are expected to respond and deliver material to requests and questionnaires from the different WPs

Sub-WP 5.4 – Association of third countries who are the source of quarantine pests of concern to the EU

- Steen Lykke Nielsen and several other EUPHRESKO-II partners active in WP5 participated in the EFSA Scientific Colloquium XIV on Emerging Risks in Plant Health 9–10 June 2011 in Parma, Italy and in an EFSA and Finnish Food Safety Authority seminar on Risk Assessment in Plant Health 1-3 October 2012 in Helsinki, Finland. The themes of the Colloquium and seminar are very relevant for the WP5 topics: regionalisation and import of plant health problems from third world countries.
- Steen Lykke Nielsen met with Head of Business Development Europe Janny Vos and Business Development Director Philip Abrahams from CABI (who are an Observer in EUPHRESKO-II) at Aarhus University the 29 June 2011 to discuss activities in EUPHRESKO-II's WP5 with focus on activities in third world countries to prevent import of plant health problems.
- The main challenge to develop a concept associating 3rd countries “which are the source of quarantine pests of concern to the EU”, is that EUPHRESKO does not hold a specific grant for that purpose. Therefore the concept must build on the principle to involve 3rd countries in the research topic initiation rounds, so the participation of 3rd country partners can be financed by the EUPHRESKO initiated transnational projects. In fact, in the 2nd topic round, a project on plant health risks of wood chips imported from 3rd countries was proposed, which demands participation of an exporting firm or a plant inspection service authority from a 3rd country; the resulting project achieved this. If the concept is widened also to include EUPHRESKO partners housing a quarantine pest under eradication and not yet spread to other EU members, another topic was proposed involving activities with the pine wood nematode in Portugal by other EUPHRESKO partners. The same is the matter with a running EUPHRESKO project on Asian long horned beetle, where some of the activities are carried out in an infested district Lombardy in Italy and a project on potato flea beetle with activities in an infested district in Portugal. The project has also included a study visit to an infested district in the USA, making contact with the US authorities and a research institute, even though those are not officially associated the project. A concept for affiliating project partners from 3rd countries to EUPHRESKO-2 initiated research projects has been worked out and included in the Toolbook on the EUPHRESKO web-site. (Deliverable 5.4).

At the First Annual Project Meeting 14–15 February 2012 in Rome the General Assembly decided to ask WP5 to arrange a workshop with representative from a North African NPPO (the Near East Plant Protection Organization) and other North African countries to be invited to participate in the next Annual Project Meeting to discuss plant health problems related to import of plant products from that region and possibilities of association to future EUPHRESKO initiated projects. This resulted in a workshop titled workshop “Exploring plant health problems of concern with special emphasis on Mediterranean partners of EPPO and EUPHRESKO” held 13 March 2013 in Portugal with participation of representatives from NEPPO and Algeria.

A comparison of the Partner (light grey) and Observer (dark grey) coverage by country in the previous EUPHRESKO-I project and in EUPHRESKO-II project ion annexes

EUROPEAN PARTNER & OBSERVER COUNTRIES PERFORMANCE AGAINST INDICATORS OF SUCCESS

Table in annexes

Potential impact and main dissemination activities and exploitation results

4.1. Actual and Potential Impact

The following key impacts were anticipated and these have been broadly realised:

- Impact on National Research Programmes and Science Programmes
- Impact on EU Plant Health Policy
- Impact on EU Exports and Competitiveness

EUPHRESKO-II has had significant impacts on national phytosanitary research programmes, phytosanitary science programmes/services (estimated at being over €100 million per year across partner countries) and research providers, as follows:

- Optimisation of national programme funds by preventing duplication and by pooling of national resources to achieve best research results.
- Building national research capacity and scientific expertise through collaborative trans-national research projects and support for other plant health initiatives and coordination mechanisms, thereby helping to reverse the recognised erosion of the scientific base in the plant health area.
- Contributing to the increased cooperation between diagnostic laboratories (e.g. contributing to European standards), national phytosanitary science programmes and inspection services through the implementation of collaborative trans-national research and the sharing of research outputs , .

EU and national Policy makers have benefited from:

- Customised and rapid answers, e.g. providing the evidence on which to base regulatory decisions for new and emerging quarantine pests, including evidence for EFSA ‘opinions’ on risk assessments.
- Tools for inspection services dealing with regulated and emerging pests, thereby enabling more effective implementation of policy, e.g. diagnostic tools for use in the field or laboratory, and management tools for dealing with introductions and outbreaks of quarantine pests.
- Involvement in the process of identifying and prioritising research needs, i.e. setting the science questions that help achieve policy goals.

EU Competitiveness and trade has benefitted from:

- Better trade facilitation by helping to prevent the introduction and establishment of new pests and diseases in the EU.
- Provision of diagnostic tools to facilitate the export of plant material, reinforcing essential quality assurance standards, which will enhance EU competitiveness against other major blocks that trade significantly in plant material.
- Reducing the socio-economic impacts of quarantine plant pests by helping prevent their introduction and spread with the EU and Europe.

As part of its activities EUPHRESKO undertook an external evaluation of its impacts. This is published as a Deliverable of EUPHRESKO-II (DL2.4). Impacts were considered within the following conceptual framework that sets out five types of impact or outcome:

- (a) Instrumental impacts (e.g. actual changes in policy or practice);
- (b) Capacity building impacts (e.g. training of students or professionals);
- (c) Conceptual impacts (e.g. broad new understanding/awareness raising);
- (d) Attitudinal or Cultural impacts (e.g. increased willingness in general to engage in new collaborations across sectors);
- (e) Enduring connectivity impacts (e.g. longer-term collaboration by involved individuals in follow-on interactions such as joint proposals, reciprocal visits, shared workshops).

The evaluation covered both EUPHRESKO-I and EUPHRESKO-II and considered the overall current and future impacts of both projects.

The conclusions and future recommendations are presented under Workpackage 2 (see above) and the full report is available at Annex 2.

Overall, the analysis showed that EUPHRESKO had successfully achieved its aims and objectives and had had a significant impact on phytosanitary research in the EU.

EUPHRESKO’s impact, as measured by its success criteria, is also detailed above (see Section 3).

4.2. Main Dissemination activities

The main dissemination activities centred on:

- 1) Raising awareness and providing information about EUPHRESKO to a range of target groups via: newsletters, articles, leaflets; national, European and international conferences and meetings; the website (now www.euphresco.net).
- 2) Making outputs publicly available for current and future use, including: the tool box for use by the future long-term Network (available on the website); sharing experiences with other ERA-Nets (e.g. through the PLATFORM ERA-Net composed of a range of ERA-Nets from across the Knowledge-Based Bioeconomy (KBBE) area; providing results from the commissioned transnational research projects available via the website or direct to scientific and operational end-users (e.g. Pest Risk Analysts, inspectorates within National Plant Protection Organisations, EPPO Panels concerned with standards and protocols) and policy makers or advisers (e.g. The European Commission's (DG SANCO) Standing Committee on Plant Health; and the European Food Safety Authority's (EFSA) Plant Health Panel that produces opinions on pest risks).

The Table (Annex 1) at the end of this report summarises the main dissemination activities across all the Partners and across all the Workpackages of the Project:

4.3. Exploitation of Results

Exploitation of results by can be summarised across all the linked Workpackages:

4.3.1. Network Governance, Structure, Membership, Linkages and Operation

- Governance structures established within EUPHRESKO-I and EUPHRESKO-II form the basis of the long-term Network's governance via an agreed *modus operandi*. The website should be further exploited within the long-term, self-sustainable Network coordinated via EPPO to support governance and operation of the Network. The website has already been transferred to EPPO successfully.
- Contacts made with potentially new Partners will be exploited further via EPPO. Observers and other potential partners will continue to consider becoming full partners in the new long-term, self-sustainable Network and some have already joined (e.g. Hungary, Latvia, Sweden, USA, as well as Great Britain's Forestry Commission). This is greatly facilitated now by EPPO through their regional (European and Mediterranean) and international status.
- The Network will also continue to maintain the established relationships between EUPHRESKO and wider European bodies, such as EPPO, EFSA and The Commission's DG-SANCO (who were all advisers on the EUPHRESKO Project). These linkages relate both to collaboration and coordination but also to strengthening wider knowledge exchange activities. EPPO, as the new EUPHRESKO Coordinator, will especially play an important role in dissemination of research outputs, including to its EPPO Panels, National Plant Protection Organisation's (NPPO) Inspectorates (via its regular workshops) and to EFSA and DG-SANCO groups that deal with policy and risk evaluation (e.g. especially groups dealing with risk analysis and relating to standards).
- EUPHRESKO will continue to liaise with other ERA-Nets and share experiences and practices, principally but not exclusively through the PLATFORM ERA-Net.
- EUPHRESKO will also seek to exploit synergies with Joint Programming Initiatives (e.g. FACCE-JPI on Agriculture, Food Security and Climate Change), EU COST Actions, Networks of Excellence and, as appropriate, Technology Platforms. More widely than plant-health, EUPHRESKO and EPPO will also consider how it can exploit wider links to environment and biodiversity areas, e.g. including invasive plant species.
- Overall, EUPHRESKO has provided a solid foundation for further future exploration and refinements of its aims, goals, and desired impacts. As such, EUPHRESKO, with assistance now from EPPO's Coordination and Secretariat functions, should explore its future ambitions, scope and opportunities as a long-term, self-sustainable Network for Plant Health that is not constrained by being an EU Coordination Action. For this it can draw on the outcomes of the interviews, questionnaires and workshops from the EUPHRESKO Impact Analysis, which collected views from both Partners and a range of external actors, end-users and beneficiaries. In particular, it should note recommendations about improved engagement with end-users, broadening the scope, widening the disciplines involved (more interdisciplinary research), being a key player in raising European phytosanitary capability and capacity and becoming a more-proactive and effective knowledge hub

with help from EPPO.

4.3.2. Transnational Research Activities

- A major, but often over-looked, outcome of ERA-Nets is the establishment of a network where trust and confidence has been built between funders in different countries. This is essential to on-going and effective collaboration. These relationships will be maintained and exploited further by ensuring a balance between networking/coordination activities and transnational research funding.
- Coordination and funding mechanisms, processes and tools for transnational research have been developed, tested, refined and implemented; they will be kept under review and developed further where necessary.
- Areas for further development and exploitation should include: use of the website as a platform for knowledge exchange at all stages of research, e.g. from mapping national programmes (retrospectively and future planning), identifying and prioritising research topics, to final dissemination of outputs from completed project; wider use and acceptance of the real common pot; mixed funding mechanisms; new approaches and types of projects (e.g. enhancing Fellowship Schemes); refinement of tools and processes, especially for more flexible and responsive commissioning for emergencies and to better ensure quality and impact. Improvements to processes can be drawn from the evaluation of EUPHRESKO.
- The Common Strategic Research Agenda will continue to form the under-pinning basis for informing identification and prioritisation of topics for EUPHRESKO and for the wider EU Research Programme (now Horizon 2020). However, it should be reviewed in the next 2 years as part of a re-assessment of scope in relation to future research and capability/capacity needs over the next 10 years. Areas that might particularly be considered might include: improving the use of inter-disciplinary research through access to a wider pool of disciplines and as part of relevant societal challenges; alignment with European and international policy issues, e.g. support for the new EU Plant Health Regime and for international activities under the FAO's International Plant Protection Convention (IPPC), links to FACCE-JPI's research agendas; improved links to crop protection and environmental sciences, i.e. seeing Plant Health as part of a wider continuum; future capability, capacity and evidence needs; broadening of scope (e.g. to invasive species); appropriate innovation.
- EUPHRESKO will continue to be identified as an ERA-Net and will provide coordination at the European level across national and European-level programmes. It is expected to maintain its mandate from the EU Council Working Party of Chief Officers of Plant Health Services (COPHS) to advise on Plant Health topics and priorities for the EU Research Programme.

Pictures in annexes

Address of project public website and relevant contact details

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4.2 Use and dissemination of foreground

Section A (public)

Publications

LIST OF SCIENTIFIC PUBLICATIONS, STARTING WITH THE MOST IMPORTANT ONES

No.	Title / DOI	Main author	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Date of publication	Relevant pages	Is open access provided to this publication ?	Type
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LIST OF DISSEMINATION ACTIVITIES								
No.	Type of activities	Main Leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
1	Organisation of Conference	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Presentation to the Society of Irish Plant Pathologists in Research Agendas	10/05/2012	Ireland	Scientific community (higher education, Research)	50	Ireland
2	Organisation of Workshops	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Defra-led 'impact' Workshop	10/05/2012	London, UK	Scientific community (higher education, Research) - Policy makers	10	UK
3	Oral presentation to a wider public	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	EUPHRESCO presentation to EU council Working Party of COPHS, including dedicated poster session	08/06/2012	Brussels	Policy makers	50	EU
4	Press releases	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Article in International Innovation publication	01/09/2013	n/a	Scientific community (higher education, Research) - Industry	2000	UK
5	Press releases	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	EUPHRESCO article for EPPO Bulletin (Journal) – August 2013 Issue	22/03/2013	Europe	Scientific community (higher education, Research) - Policy makers	1500	Europe
6	Flyers	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Euphresco leaflet	27/10/2011	n/a	Scientific community (higher education, Research) - Policy makers	1500	Europe and worldwide
7	Flyers	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Euphresco Newsletter	01/10/2011	n/a	Scientific community (higher education, Research) - Policy makers	1000	Europe and worldwide
8	Flyers	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Euphresco Newsletter	01/08/2012	n/a	Scientific community (higher education, Research) - Policy makers	1000	Europe and worldwide

		OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	etter			unity (higher education, Research) - Policy makers		ldwide
9	Flyers	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Euphresco Newsletter	01/03/2014	n/a	Scientific community (higher education, Research) - Policy makers	1000	Europe and worldwide
10	Exhibitions	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	EUPHRESCO posters for meeting of the IPPC Commission on Phytosanitary Measures	01/03/2012	Rome, Italy	Policy makers	100	International
11	Oral presentation to a scientific event	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	EUPHRESCO presentation to EFSA Science Network (introducing EUPHRESCO-2 before start)	01/10/2010	Parma, Italy	Scientific community (higher education, Research)	25	EU
12	Oral presentation to a scientific event	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	EUPHRESCO presentation to SCAR Plenary	11/06/2014	Brussels	Scientific community (higher education, Research) - Policy makers	50	Eu
13	Web sites/Applications	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Website re-launched	01/03/2011	n/a	Scientific community (higher education, Research) - Industry - Policy makers	1000	EU and global
14	Organisation of Conference	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	Final EUPHRESCO Conference and launch event	26/03/2014	Paris France	Scientific community (higher education, Research) - Policy makers	70	European and Global
15	Organisation of Conference	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS	EUPHRESCO presentation to EU-organised Diagnostic Reference Laboratories meeting	26/03/2014	Paris France	Scientific community (higher education, Research) - Policy makers	100	EU
16	Oral presentation to a scientific event	THE SECRETARY OF STATE FOR ENVIRONMENT,	Drosophila susuki research meeting (co-organised with EC)	30/09/2011	Brussels	Scientific community (higher education, Research) - Pol	10	Europe

		FOOD AND RURAL AFFAIRS				icy makers		
17	Oral presentation to a wider public	Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	01/03/2011	Austria	Industry - Policy makers	15	Austria
18	Organisation of Workshops	Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft	EUPHRESKO II –WP5 Workshop Mechanisms to identify, prioritise & select topics for transnational research projects	24/03/2011	Copenhagen, Denmark	Scientific community (higher education, Research) - Industry - Policy makers	15	EUPHRESKO-project members and observer countries
19	Organisation of Workshops	Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft	EUPHRESKO-2 WORKSHOP, WP5, Annual Project Meeting, “Exploring plant health problems of concern with special emphasis on Mediterranean partners of EPPO and EUPHRESKO”	13/03/2013	Lisbon, Portugal	Scientific community (higher education, Research) - Policy makers	30	EUPHRESKO-project members and observer countries
20	Organisation of Workshops	Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft	Follow up meeting on Grapevine Flavescence Doree and Scaphoideus titanus	21/03/2013	Zagreb, Croatia	Scientific community (higher education, Research) - Policy makers	50	Austria, Croatia, Hungary, Italy, Slovenia
21	Organisation of Workshops	Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft	PLATFORM Master class on call management	17/06/2013	Brussels, Belgium	Scientific community (higher education, Research) - Policy makers		BE
22	Organisation of Conference	SERVICE PUBLIC FEDERAL SANTE PUBLIQUE, SECURITE DE LA CHAINE ALIMENTAIRE ET ENVIRONNEMENT	Plantengezondheid: Recente wettenschappelijke ontwikkelingen- Plant health: Recent scientific developments	15/12/2011	Brussels	Scientific community (higher education, Research) - Industry - Policy makers	90	BE

23	Oral presentation to a wider public	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in EUPHRESCO	28/03/2011	Brussels	Policy makers	10	BE
24	Oral presentation to a wider public	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in EUPHRESCO	29/09/2011	Brussels	Policy makers	10	BE
25	Oral presentation to a wider public	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in EUPHRESCO	12/03/2012	Brussels	Policy makers	10	BE
26	Oral presentation to a wider public	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in EUPHRESCO	23/10/2012	Brussels	Policy makers	10	BE
27	Web sites/Applications	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in DEP2	15/03/2013	Gembloux	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	BE
28	Oral presentation to a wider public	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in EUPHRESCO	22/10/2013	Brussels	Policy makers	10	BE
29	Oral presentation to a wider public	CENTRE WAL LON DE REC HERCHES AGRONOMIQUES	Overview of CRA -W involment in EUPHRESCO	18/03/2014	Brussels	Policy makers	10	BE
30	Oral presentation to a wider public	EIGEN VERMOGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJONDERZOEK	IIVO research activities in EUPHRESCO	28/03/2011	Brussels	Scientific community (higher education, Research) - Policy makers	10	BE
31	Organisation of Workshops	EIGEN VERMOGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJONDERZOEK	Overview of ILVO involment in EUPHRESCO	29/09/2011	Brussels	Policy makers	10	BE

32	Organisation of Workshops	EIGEN VERM OGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJON DERZOEK	Overview of ILVO involment in EUPHRESCO	12/03/2012	Brussels	Policy makers	10	BE
33	Organisation of Workshops	EIGEN VERM OGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJON DERZOEK	Overview of ILVO involment in EUPHRESCO	23/10/2012	Brussels	Policy makers	10	BE
34	Organisation of Workshops	EIGEN VERM OGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJON DERZOEK	Overview of ILVO involment in EUPHRESCO	23/04/2013	Brussels	Policy makers	10	BE
35	Organisation of Workshops	EIGEN VERM OGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJON DERZOEK	Overview of ILVO involment in EUPHRESCO	22/10/2013	Brussels	Policy makers	10	BE
36	Organisation of Workshops	EIGEN VERM OGEN VAN HET INSTITUUT VOOR LANDBOUW EN VISSERIJON DERZOEK	Overview of ILVO involment in EUPHRESCO	18/03/2014	Brussels	Policy makers	10	BE
37	Organisation of Workshops	NATIONAL SERVICE FOR PLANT PROTECTION	EUPHRESCO 2: Exploring regionalisation of specific plant health problems in the region of the Balkans and Eastern Europe	28/02/2012	Sofia,Bulgaria	Scientific community (higher education, Research)	10	EUPHRESCO 2 project members and observers, attending
38	Oral presentation to a wider public	NATIONAL SERVICE FOR PLANT PROTECTION	Introduction to EUPHRESCO 2	02/10/2012	Kostinbrod, Bulgaria	Scientific community (higher education, Research)	10	Bulgaria
39	Oral presentation to a wider public	NATIONAL SERVICE FOR	Introduction to EUPHRESCO 2	12/12/2012	Sofia,Bulgaria	Scientific community (higher education)	50	Bulgaria

		PLANT PROTECTION				ion, Research)		
40	Organisation of Conference	MINISTRY OF AGRICULTURE OF THE CZECH REPUBLIC	Traditional Orchards Days	15/01/2013	Hradec Kralove, Czech Republic	Industry	1000	Czech rep.
41	Oral presentation to a wider public	MINISTRY OF AGRICULTURE OF THE CZECH REPUBLIC	Plant Health Council -MoA	01/11/2012	Prague, Czech Republic	Industry - Policy makers	10	Czech rep.
42	Articles published in the popular press	MINISTRY OF AGRICULTURE OF THE CZECH REPUBLIC	Cooperation in area of plant health research in the EU	01/06/2014	magazine "a farmer"	Industry	1000	Czech rep.
43	Organisation of Workshops	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Integrating new European Partners, engaging with European Observers and outreach to other European and Mediterranean countries	25/03/2011	Copenhagen, Denmark	Scientific community (higher education, Research) - Industry - Policy makers	10	EUPHRESKO - project members and observer countries
44	Oral presentation to a wider public	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Meeting in the National Council for Plants and Plant Health	12/05/2011	Copenhagen, Denmark	Industry	10	Denmark
45	Oral presentation to a wider public	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Meeting in the National Council for Plants and Plant Health	17/11/2011	Copenhagen, Denmark	Industry	10	Denmark
46	Oral presentation to a wider public	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Meeting in the National Council for Plants and Plant Health	20/09/2012	Copenhagen, Denmark	Industry	10	Denmark
47	Organisation of Workshops	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	"Exploring plant health problems of con	13/03/2013	Lisbon, Portugal	Scientific community (higher education, Research)	10	EUPHRESKO partner/observer

		TURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	cern with special emphasis on Mediterranean partners of EPP0 and EUPHRESCO"			ion, Research) - Industry - Policy makers		countries and scientist from portugal, Algeria and Morocco
48	Oral presentation to a wider public	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Meeting in the National Council for Plants and Plant Health	28/05/2013	Copenhagen, Denmark	Industry	10	Denmark
49	Oral presentation to a wider public	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Meeting in the National Council for Plants and Plant Health	30/10/2013	Copenhagen, Denmark	Industry	10	Denmark
50	Oral presentation to a wider public	MINISTRY OF FOOD, AGRICULTURE AND FISHERIES, DANISH FOOD INDUSTRY AGENCY	Introduction to EUPHRESCO	10/03/2014	Flakkebjerg, Denmark	Industry	10	Denmark
51	Oral presentation to a wider public	Pollumajandusministeerium	The Agricultural research council meeting	20/04/2011	Estonia	Scientific community (higher education, Research) - Industry	20	Estonia
52	Oral presentation to a wider public	Pollumajandusministeerium	The stakeholders meeting	27/05/2011	Estonia	Scientific community (higher education, Research) - Policy makers	15	Estonia
53	Oral presentation to a wider public	Pollumajandusministeerium	The Agricultural research council meeting	05/01/2012	Estonia	Scientific community (higher education, Research) - Industry	20	Estonia
54	Oral presentation to a wider public	Pollumajandusministeerium	The stakeholders meeting	28/08/2012	Estonia	Scientific community (higher education, Research) - Policy makers	15	Estonia
55	Oral presentation to a wider public	Pollumajandusministeerium	The Agricultural research council meeting	11/01/2013	Estonia	Scientific community (higher education, Research) - Ind	20	Estonia

						ustry		
56	Web sites/Applications	Pollumajandusministeerium	Pollumajandusministeeri umi aastaraamat. Ministri of Agriculture of Estonia-Yearbook	11/05/2012	Estonia	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias		Estonia
57	Oral presentation to a wider public	MINISTRY OF AGRICULTURE AND FORESTRY	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	29/07/2014	Finland	Policy makers	10	Finland
58	Oral presentation to a wider public	MINISTERE DE L AGRICULTURE DE L AGROALIMENTAIRE ET DE LA FORET	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	29/07/2014	France	Policy makers	10	France
59	Oral presentation to a wider public	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	29/07/2014	France	Policy makers	10	France
60	Oral presentation to a wider public	Bundesanstalt für Landwirtschaft und Ernährung	meeting in the Federal Office for Agriculture and Food (BLE)	04/11/2011	Bonn, Germany	Scientific community (higher education, Research) - Policy makers	10	Germany
61	Oral presentation to a wider public	Bundesanstalt für Landwirtschaft und Ernährung	Meeting in the Federal Ministry for Food and Agriculture	05/11/2012	Berlin, Germany	Scientific community (higher education, Research) - Policy makers	10	Germany
62	Oral presentation to a wider public	Bundesanstalt für Landwirtschaft und Ernährung	Meeting in the Leibniz Institute Potsdam-Bornim (ATB)	28/11/2012	Potsdam, Germany	Scientific community (higher education, Research) - Policy makers	10	Germany
63	Oral presentation to a wider public	Bundesanstalt für Landwirtschaft und Ernährung	meeting in the Council of Science-J	05/11/2013	Leipzig, Germany	Scientific community (higher education, Research) - Policy makers	10	Germany

		Ernährung	Julius Kuhn-Institute			ion, Research) - Policy makers		
64	Oral presentation to a wider public	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	EUPHRESKO-European Phytosanitary Research Coordination	01/01/2011	USA	Scientific community (higher education, Research) - Policy makers	50	USA
65	Oral presentation to a wider public	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	Transnationale Forschungsorganisation im Bereich der Pflanzengesundheit-ERA-Net EUPHRESKO	01/01/2012	Braunschweig	Scientific community (higher education, Research) - Policy makers	50	Germany
66	Articles published in the popular press	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	Transnationale Forschungsorganisation im Bereich der Pflanzengesundheit-ERA-Net EUPHRESKO	01/01/2012	Braunschweig	Scientific community (higher education, Research) - Policy makers	1000	Germany
67	Oral presentation to a scientific event	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	Funding opportunities in the EU	01/01/2012	Braunschweig	Scientific community (higher education, Research)	10	Germany
68	Oral presentation to a wider public	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	EUPHRESKO-European Phytosanitary Research Coordination	01/01/2012	Quedlinburg	Scientific community (higher education, Research) - Policy makers	50	Germany
69	Oral presentation to a wider public	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	EUPHRESKO	01/01/2012	Bonn	Policy makers	10	Germany

70	Oral presentation to a wider public	JULIUS KUHN-INSTITUT BUNDESFORSCHUNGSINSTITUT FÜR KULTURPFLANZEN	EUPHRESKO	01/01/2012	Bonn	Policy makers	10	Germany
71	Oral presentation to a wider public	BENAKI PHYTOPATHOLOGICAL INSTITUTE	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	30/07/2014	Greece	Policy makers	10	Greece
72	Organisation of Conference	DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE	Society of Irish Plant Pathologists-Autumn Scientific Meeting	01/09/2011	An Grianan, Termonfeckin, Drogheda, Ireland	Scientific community (higher education, Research) - Industry - Civil society - Policy makers	50	Ireland, United Kingdom (NI)
73	Organisation of Conference	DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE	Society of Irish Plant Pathologists-Autumn Scientific Meeting	01/03/2012	Backweston Agri-Laboratories, Celbridge, Ireland	Scientific community (higher education, Research) - Industry - Civil society - Policy makers	10	Ireland, United Kingdom (NI)
74	Oral presentation to a wider public	DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE	Annual Report Department of Agriculture Food and the Marine	01/01/2011	N/A	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	Ireland
75	Oral presentation to a wider public	DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE	Annual Report Department of Agriculture Food and the Marine	01/01/2012	N/A	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	Ireland
76	Oral presentation to a wider public	DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE	Annual Report Department of Agriculture Food and the Marine	01/01/2013	N/A	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	Ireland
77	Oral presentation to	MINISTERO	On-going and re	30/07/2014	Italy	Policy makers	10	Italy

	a wider public	DELLE POLITICHE AGRICOLE ALIMENTARI E FORESTALI	regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)					
78	Organisation of Workshops	CONSIGLIO PER LA RICERCA E Sperimentazione IN AGRICOLTURA	"EUPHRESCO and EUPHRESCO II: transnational approach to pest control and risk management". Information on EUPHRESCO-II progress	02/12/2011	Trento	Scientific community (higher education, Research)	1000	Italy and EU partners
79	Organisation of Conference	CONSIGLIO PER LA RICERCA E Sperimentazione IN AGRICOLTURA	"DROSKII: a transnational attempt for insight on the damage potential of <i>Drosophila sibirica</i> and on the development of risk management and control measures"	07/10/2012	Kusadasi	Scientific community (higher education, Research)	1000	EU and extra EU countries
80	Organisation of Workshops	CONSIGLIO PER LA RICERCA E Sperimentazione IN AGRICOLTURA	Spotted Wing <i>Drosophila</i> : notes on spread in Tuscany (Italy) and susceptibility of some grape varieties - E. Gargani et al. Communication in Oral session> Monitoring of <i>Drosophila sibirica</i> (Chairp. Schmidt)	26/05/2014	Vigalzano, Pergine Valsugana, Italy	Scientific community (higher education, Research)	1000	EU and extra EU countries
81	Organisation of Workshops	CONSIGLIO PER LA RICERCA E Sperimentazione IN AGRICOLTURA	Evaluation of some organic products for spotted wing <i>Drosophila</i> control- E. Gargani Communication in Oral session: Control of <i>Drosophila sibirica</i> (Chairp Shearer)	26/05/2014	Vigalzano, Pergine Valsugana, Italy	Scientific community (higher education, Research)	1000	EU and extra EU countries
82	Organisation of	CONSIGLIO PER LA	Overview on <i>Dro</i>	26/05/2014	Vigalzano, Pergine	Scientific comm	1000	EU and extra EU

	Workshops	A RICERCA E SPERIMENTAZIONE IN AGRICOLTURA	skii Proyect: Evaluation on two year experience on insight on the damage potential of Drosophila suzukii and control measures- S.Simoni et al.		Valsugana, Italy	unity (higher education, Research)		countries
83	Organisation of Workshops	CONSIGLIO PER LA RICERCA E SPERIMENTAZIONE IN AGRICOLTURA	Drosophila suzukii: nuova problematica per i ciliegicoltori toscani Drosophila suzukii in Toscana: evidenze su ciliegio e altre colture (Progetto "Droskii"	06/12/2013	Lari (Pisa, Italy)	Industry	50	Italy
84	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in Lithuanian Council of Science	10/10/2011	Vilnius, Lithuania	Scientific community (higher education, Research)	10	Lithuania
85	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	meeting in the National Plant Protection Service	01/03/2012	Vilnius, Lithuania	Industry	10	Lithuania
86	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in the Ministry of Agriculture of Lithuania	12/03/2012	Vilnius, Lithuania	Industry - Policy makers	10	Lithuania
87	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in the Ministry of Agriculture of Lithuania	07/05/2012	Vilnius, Lithuania	Scientific community (higher education, Research) - Industry	10	Lithuania
88	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in the Ministry of Agriculture of Lithuania	18/09/2012	Vilnius, Lithuania	Scientific community (higher education, Research) - Industry	10	Lithuania
89	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in the Ministry of Agriculture of Lithuania	23/11/2012	Vilnius, Lithuania	Scientific community (higher education, Research) - Industry - Policy makers	10	Lithuania
90	Oral presentation to	LIETUVOS R	Meeting in the	03/04/2013	Vilnius, Lithuania	Scientific comm	10	Lithuania

	a wider public	ESPUBLIKOS ZEMES UKIO MINISTERIJA	Ministry of Agriculture of Lithuania			unity (higher education, Research) - Industry		
91	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in the Ministry of Agriculture of Lithuania	08/07/2013	Vilnius, Lithuania	Scientific community (higher education, Research) - Industry	10	Lithuania
92	Oral presentation to a wider public	LIETUVOS RESPUBLIKOS ZEMES UKIO MINISTERIJA	Meeting in the Ministry of Agriculture of Lithuania	25/11/2013	Vilnius, Lithuania	Scientific community (higher education, Research) - Industry - Policy makers	10	Lithuania
93	Oral presentation to a wider public	MINISTERIE VAN ECONOMISCHE ZAKEN	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	30/07/2014	Netherlands	Policy makers	10	Netherlands
94	Oral presentation to a wider public	NEDERLANDSE VOEDSEL EN WARENAUTORITEIT	On-going and regular dialogue and feedback loops with Policy, operational and scientific end-users (in Ministry and NPPO)	30/07/2014	Netherlands	Scientific community (higher education, Research) - Policy makers	10	Netherlands
95	Oral presentation to a scientific event	INSTITUTO NACIONAL DE RECURSOS BIOLÓGICOS I.P. INRB	PhyFire kick off Meeting	01/10/2012	Portugal, oeiras	Scientific community (higher education, Research)	22	Consortia
96	Oral presentation to a scientific event	INSTITUTO NACIONAL DE RECURSOS BIOLÓGICOS I.P. INRB	Phyfire-Seminar on "Phytossaniataru dia gnostic on-site detection and epidemiology tools for Erwinia amylovora	02/10/2012	Portugal, Oeiras	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	90	Consortia
97	Organisation of Workshops	INSTITUTO NACIONAL DE RECURSOS BIOLÓGICOS I.P. INRB	PhyFire- Laboratory training	03/10/2012	Portugal, Oeiras	Scientific community (higher education, Research)	20	Consortia
98	Oral presentation to a wider public	INSTITUTO NACIONAL DE	2nd EUPHRESKO Annual Meeting	13/03/2013	Portugal, Monte Estoril	Scientific community (higher education, Research)	60	Consortia, Morocco, Algeria

		RECURSOS BIOL OGICOS I.P. INRB				ion, Research) - Pol icy makers		
99	Organisation of Workshops	INSTITUTO NACIONAL DE RECURSOS BIOL OGICOS I.P. INRB	Euphresco works hop Exploring plant health problems of c oncern with special emphasis on Med iterranean partners of EPPO and EUP HRESO	13/03/2013	Portugal, Monte Estoril	Scientific comm unity (higher educat ion, Research) - Pol icy makers	20	Consortia, Moro cco, Algeria
100	Organisation of Workshops	INSTITUTO NACIONAL DE RECURSOS BIOL OGICOS I.P. INRB	EUPHRESO-II WP3 workshop	01/01/2011	Portugal, Lisbon (2011-2012) and Oeiras (2013)	Scientific comm unity (higher educat ion, Research)	10	Portugal
101	Oral presentation to a wider public	MINISTRSTVO ZA KMETIJSTVO IN OKOLJE	Meeting of the Slovenian Plant Prot ection Society SI-NI B: Detection Of Non-European Isolates Of Ralstonia Sola nacearum Species Complex (Rs E uphresco project)	07/07/2013	Ljubljana, Slovenia	Scientific comm unity (higher educat ion, Research)	10	Slovenia
102	Oral presentation to a wider public	MINISTRSTVO ZA KMETIJSTVO IN OKOLJE	Meeting of the Slovenian Plant Prot ection Society with International Partic ipation SI-NIB: Dreo et al., 2013. Bacterial soft rots of plants or what is in a name?. In: Trdan, S tanislav (ed.). Abst ract volume. Ljublja na: Plant Protection Society of Slovenia, 2013, p.49. (Dicke ya Euphresco pr oyect)	05/03/2013	Bled, Slovenia	Scientific comm unity (higher educat ion, Research)	10	Slovenia, Hungary
103	Oral presentation to a scientific event	MINISTRSTVO ZA KMETIJSTVO IN OKOLJE	SI-NIB: Dreo et al., 2013. Dicheya spp. on ornamentals (Dickeya Euphresco project)	23/11/2013	Jerusalem, Israel	Scientific comm unity (higher educat ion, Research)	20	Belgium, The Ne therlands, Switzerla nd, Finland, UK

104	Oral presentation to a wider public	MINISTRSTVO ZA KMETIJSTVO IN OKOLJE	SI-NIB: Dreo et al.2013. Detection of non-European isolates of Ralstonia solanacearum species complex.In: GABA, Victor (ed.).Climate change/Global warming: effects on potato diseases/pests, p.30. (Rs Euphresco project)	21/11/2013	Jerusalem, Israel	Scientific community (higher education, Research) - Industry	120	various
105	Oral presentation to a scientific event	MINISTRSTVO ZA KMETIJSTVO IN OKOLJE	SI-NIB: Dreo et al.2013. Detection of non-European isolates of Ralstonia solanacearum species complex.(Rs Euphresco project)	19/03/2014	wageningen, The Netherlands	Scientific community (higher education, Research)	5	The Netherlands, Slovenia, Belgium, UK, Spain
106	Posters	MINISTRSTVO ZA KMETIJSTVO IN OKOLJE	SI-NIB: Dreo et al., 2013. Allies and foes- community ecology of bacteria and their bacteriophages in plant diseases of orchids. In: 12th Symposium on Bacterial Genetics and Ecology, 9-13 June 2013, Ljubljana, Slovenia. MANDU C-MULEX, Ines (ed.)Networking and plasticity of microbial communities: the secret to success. BAGECO 12. Jena: Conventus Congressmanagement & Marketing,m 2013, p.139. (Dickeya Euphresco project)	09/06/2013	Ljubljana, Slovenia	Scientific community (higher education, Research) - Industry	1000	various
107	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGAÇÃO AGRARIA E	Participant: SI-KIS: Modelling of temperature dependent development of trop	04/05/2014	Cape Town, South Africa	Scientific community (higher education, Research)	1000	Worldwide

		VETERINARIA	ical RKN species					
108	Flyers	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Final conference of Euphresco II	01/03/2014	Madrid	Scientific community (higher education, Research)	1500	Spain
109	Oral presentation to a wider public	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Agricultural research coordinating committee	05/06/2014	Madrid	Scientific community (higher education, Research) - Industry - Policy makers	10	Spain
110	Organisation of Workshops	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Euphresco II presentation	01/10/2014	Madrid	Scientific community (higher education, Research) - Policy makers	50	Spain
111	Web sites/Applications	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	ERA-Net Euphresco II	01/04/2014	Madrid	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	Spain
112	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Tissue-print and squash real-time PCR for direct detection of "Candidatus Liberibacter" spp. in citrus plants and insect vectors	01/01/2012	Valencia, Spain	Scientific community (higher education, Research) - Industry - Policy makers - Medias	1500	International
113	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Desarreglos vegetativos en apio asociados con la bacteria "Candidatus Liberibacter solanacearum"	01/01/2012	Malaga, Spain	Scientific community (higher education, Research)	1000	Spain
114	Oral presentation to a wider public	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	HLB prevention in Spain	01/01/2013	Valencia, Spain	Scientific community (higher education, Research) - Industry	50	Spain

		LIMENTARIA						
115	Oral presentation to a wider public	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	epidemiology and diagnosis of potato phytoplasmas and Candidatus Liberibacter solanacearum and their contribution to risk management in potato and other crops	01/01/2013	Tenerife, Spain	Scientific community (higher education, Research)	10	PHYLIB Project participants
116	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	"Candidatus Liberibacter solanacearum": bacteria asociada a desarreglos vegetativos en apio y zanahoria	01/01/2013	Elche, Alicante, Spain	Scientific community (higher education, Research)	50	Spain
117	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	HUANGLONGBING PREVENTION IN CANARY ISLANDS AND IN THE MAINLAND SPAIN: SURVEYS OF "Candidatus Liberibacter" SPECIES AND Trioza erytrae	01/01/2013	Soth Africa	Scientific community (higher education, Research) - Industry	1000	Internacional
118	Oral presentation to a scientific event	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	ESTUDIOS DE COMPORTAMIENTO intra e interlaboratorios DE KITS DE DETECCION DE PCR a tiempo real de "Candidatus Liberibacter solanacearum" y "Ca. Liberibacter" spp. Causantes de HLB	01/01/2013	Logrono, Spain	Scientific community (higher education, Research)	50	Spain
119	Oral presentation to a wider public	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	"Adaptacion al cambio climatico en la produccion de frutos citricos y subtropicales"	01/01/2013	Valencia, Spain	Scientific community (higher education, Research) - Industry	50	Spain

120	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Direct sample preparation methods for easy, simple and accurate detection of plant pathogens by complete kits based on real-time PCR	01/01/2013	Beijing, China	Scientific community (higher education, Research) - Industry	1500	Internacional
121	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Nuevo haplotipo de "Candidatus Liberibacter solanacearum", bacteria emergente en cultivos hortícolas	01/01/2013	L'Hospitalet, Spain	Scientific community (higher education, Research)	50	Spain
122	Oral presentation to a wider public	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	"Candidatus Liberibacter solanacearum": carrot seed transmission seed	01/01/2014	Villena, Spain	Scientific community (higher education, Research) - Industry	50	Spain, France Germany, The Netherlands, UK
123	Oral presentation to a wider public	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	EPPO/OEPP Panel of Diagnostics in Bacteriology	01/01/2014	Wageningen/The Netherlands	Scientific community (higher education, Research)	50	EPPO/OEPP Countries
124	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	"Candidatus Liberibacter solanacearum": Current situation in Spain, diagnosis and seed transmission	01/01/2014	Wageningen/The Netherlands	Scientific community (higher education, Research)	50	European representatives
125	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	"Candidatus Liberibacter solanacearum": is a carrot seed borne pathogen	01/01/2014	Crakow/Poland	Scientific community (higher education, Research)	1000	International
126	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Association of "Candidatus Liberibacter solanacearum" with a vegetative disorder of celery in Spain and development of a real-time PCR	01/01/2014	Scientific Journal	Scientific community (higher education, Research)	1500	International

			method for its detection					
127	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Transmission of "Candidatus Liberibacter solanacearum": in carrot seed	01/01/2014	Scientific Journal	Scientific community (higher education, Research)	1500	International
128	Organisation of Workshops	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Integrated protocols for diagnostic of quarantine bacteria	01/01/2013	Pontevedra, Spain	Scientific community (higher education, Research)	18	Spain
129	Organisation of Workshops	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Advanced Course on Plant Health	01/01/2014	Cordoba, Spain	Scientific community (higher education, Research)	15	Spain
130	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	the bacterial canker of kiwi	01/01/2014	Valencia, Spain	Industry - Policy makers	200	Spain
131	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Current situation and characterization of pseudomonas syringae pv. actinidiae on kiwifruit in Galicia	01/01/2013	-	Scientific community (higher education, Research)	1000	Research international audience
132	Posters	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	XVII Congreso de la sociedad española de fitopatología. Comunicación: "DNA barcoding as identification tool for EU regulated plant pests and invasive plants: the preparation and validation of an EPPO standard".	01/10/2014	Lleida, Spain	Scientific community (higher education, Research) - Industry	1000	Spain

133	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Symposium "Estrategias de detección e identificación de patógenos de plantas basados en secuenciación de ácidos nucleicos". "Approaches for plant pathogens identification based on nucleic acid sequencing". Oral communication. "Detección e identificación de patógenos vegetales mediante técnicas de códigos de barras". "Barcoding to detect and identify pathogens detection in Spain"	01/10/2014	Lleida, Spain	Scientific community (higher education, Research) - Industry	1000	Spain
134	Posters	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	First steps to develop a conventional or real-time PCR for emerging strawberry pathogens detection in Spain	01/10/2014	Spanish Plant pathology Society Congress 2014 (Lleida, Spain)	Scientific community (higher education, Research)	50	Spain
135	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	First steps to develop a conventional or real-time PCR for emerging strawberry pathogens detection in Spain	01/09/2014	Meeting in Vienna, Austria	Scientific community (higher education, Research)	50	EU countries
136	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Developing a PCR for emerging strawberry pathogens detection in symptomless plant material.	01/07/2015	Meeting in Madrid, Spain	Scientific community (higher education, Research)	50	EU countries
137	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Developing a PCR for emerging strawberry pathogens detection in symptomless plant material.	01/01/2015	-	Scientific community (higher education, Research)	1000	World scientific community

138	Organisation of Workshops	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Integrated protocols for diagnostic of quarantine bacteria	01/01/2013	Pontevedra, Spain	Scientific community (higher education, Research)	18	Spain
139	Organisation of Workshops	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Advanced Course on Plan Health	01/01/2014	Cordoba, Spain	Scientific community (higher education, Research)	15	Spain
140	Oral presentation to a scientific event	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	PM 7/64 (REV) E PPO Diagnostic protocol for Xanthomonas arboricola pv. pruni	17/03/2014	Wageningen/The Netherlands	Scientific community (higher education, Research)	1000	Austria, France, Italy, Netherlands, Spain and others
141	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	11th Conference of the European Foundation for Plant Pathology (EFPP)- "Healthy plants-healthy people". Oral communication: "Molecular tools allow the description of new taxons at species and infra-species levels among plant pathogenic bacteria"	08/09/2014	Crakow/Poland	Scientific community (higher education, Research)	1000	Poland, The Netherlands, Portugal, Lithuania, Russia, Italy, Serbia, Spain, Hungary, Germany, UK oth
142	Posters	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	First steps to develop a real-time PCR for Monilinia/Monilia spp. detection in symptomless plant material.	01/01/2014	Spanish Plant pathology Society Congress 2014 (Lleida, Spain)	Scientific community (higher education, Research)	50	Spain
143	Web sites/Applications	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Development and validation of molecular tools for detection and identification of European Monilia spp. detection in symptomless	01/01/2014	Molinilla groups Network (http://www.Monilinia.org)	Scientific community (higher education, Research)	1000	EU countries, USA, NEw Zealand, Uruguay, Brasil

			poant material					
144	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Developing a real-time PCR for Monilia/Monilia spp. detection in symptomless plant material	01/01/2016	n/a	Scientific community (higher education, Research)	50	Spain
145	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Developing a real-time PCR for Monilia/Monilia spp. detection in symptomless plant material	01/01/2016	n/a	Scientific community (higher education, Research)	1000	World scientific community
146	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Effect of IGRs on fertility and fecundity of Drosophila suzukii	01/10/2015	national Congress of Applied Entomology- Valencia	Scientific community (higher education, Research)	1000	Spain, Portugal
147	Organisation of Conference	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Effect of temperature on development, survival and reproductive parameters of Drosophila suzukii	31/07/2017	National Congress of Applied Entomology- Valencia	Scientific community (higher education, Research)	1000	Spain, Portugal
148	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Effect of temperature on development, survival and reproductive parameters of Drosophila suzukii	01/01/2016	International Journals	Scientific community (higher education, Research)	1500	Europe, America, Asia
149	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Contribution to the IPM of Drosophila suzukii in Spain	01/01/2016	Dissemination journals like Phytoma or Terralia	Scientific community (higher education, Research) - Industry - Policy makers	1500	Spain
150	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	New molecular methods for detection of quarantine bacteria	01/01/2015	Spain	Scientific community (higher education, Research) - Policy makers	50	Spain

151	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Dvances in the use of optical methods for detecting quarantine bacteria	01/01/2016	Spain	Scientific community (higher education, Research)	1000	International
152	Articles published in the popular press	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	New methods for detection of quarantine bacteria	01/01/2016	Spain	Civil society	1500	Spain
153	Organisation of Workshops	INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA	Available methods for detecting quarantine bacteria of special interest in Spain	01/01/2016	Spain	Scientific community (higher education, Research)	10	Spain
154	Oral presentation to a wider public	EIDGENOEES ISCHES DEPARTEMENT FÜR WIRTSCHAFT, BILDUNG UND FORSCHUNG	On-going and regular dialogue and feedback loops with policy, operational and scientific end-users (in Ministry and NPPO)	31/07/2014	Switzerland	Policy makers	10	Switzerland
155	Oral presentation to a wider public	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	Kick of meeting of Euphresco II	01/06/2012	Ankara	Scientific community (higher education, Research) - Industry - Policy makers	1500	Turkey
156	Oral presentation to a wider public	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	Meeting of first year Euphresco II	01/04/2013	Ankara	Scientific community (higher education, Research) - Industry - Policy makers	1500	Turkey
157	Oral presentation to a wider public	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	Euphresco II presentation	01/12/2013	Ankara	Scientific community (higher education, Research) - Industry - Policy makers	1500	Turkey
158	Oral presentation to a wider public	MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK	Final conference of Euphresco II	01/04/2014	Ankara	Scientific community (higher education, Research) - Industry - Policy makers	1500	Turkey

		VESTOCK				ustry - Policy makers		
159	Oral presentation to a wider public	FORESTRY COMMISSION RESEARCH AGENCY	On-going and regular dialogue and feedback loops with policy, operational and scientific end-users (in Ministry and NPPO)	31/07/2014	UK	Policy makers	10	UK
160	Organisation of Workshops	SCOTTISH GOVERNMENT	Euphresco II	01/04/2011	Edinburg	Policy makers	10	UK
161	Organisation of Workshops	SCOTTISH GOVERNMENT	SASA Science Day	01/05/2012	Edinburg	Scientific community (higher education, Research) - Policy makers	50	UK
162	Organisation of Conference	SCOTTISH GOVERNMENT	Chief Scientist Conference	21/11/2012	Dundee	Scientific community (higher education, Research) - Policy makers	50	UK
163	Organisation of Workshops	SCOTTISH GOVERNMENT	SASA Science Day	01/05/2013	Edinburg	Scientific community (higher education, Research) - Policy makers	50	UK
164	Organisation of Conference	SCOTTISH GOVERNMENT	crop protection in Northern Britain	26/02/2014	Dundee	Scientific community (higher education, Research) - Industry - Policy makers - Medias	1000	UK
165	Organisation of Workshops	SCOTTISH GOVERNMENT	plant Health Workshop	18/03/2014	Edinburg	Scientific community (higher education, Research) - Industry - Policy makers	50	UK
166	Organisation of Conference	INSTITUTE OF PLANT PROTECTION OF NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	phytosanotary safety and control of agricultural product	01/06/2013	Chernivtsi, Ukraine	Scientific community (higher education, Research)	50	Ukraine, Belarus, Moldova, Russia

167	Organisation of Conference	INSTITUTE OF PLANT PROTECTION OF NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	Agricultural technology for sustainable competitive production	01/11/2012	Kiev, Ukraine	Scientific community (higher education, Research)	50	Ukraine, Belarus, Moldova, Russia
168	Organisation of Conference	INSTITUTE OF PLANT PROTECTION OF NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	Status and prospects of high-quality plant resources formation in Ukraine	01/07/2012	Kiev, Ukraine	Scientific community (higher education, Research)	50	Ukraine
169	Articles published in the popular press	FEDERAL STATE ORGANISATION ALL-RUSSIAN PLANT QUARANTINE CENTRE	in an articles prepared by VNIKR's specialists EU PHRESKO network is either mentioned or a reference is given to it, in particular with regard to topics covered in VNIKR EUPHRESKO projects	01/01/2012	Bykovo, Moscow region, Russia	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	Russian speaking countries
170	Web sites/Applications	FEDERAL STATE ORGANISATION ALL-RUSSIAN PLANT QUARANTINE CENTRE	All EUPHRESKO activities in which VNIKR takes part are presented on www.vniikr.ru in the new category, and there's a separate page devoted to EU PHRESKO http://www.vniikr.ru/inter_euphr.html	01/01/2012	Bykovo, Moscow region, Russia	Scientific community (higher education, Research) - Industry - Civil society - Policy makers - Medias	1500	Russian speaking countries
171	Oral presentation to a wider public	FEDERAL STATE ORGANISATION ALL-RUSSIAN PLANT QUARANTINE CENTRE	Information and results obtained in the course of EUPHRESKO projects are taken into account upon drafting national standards and guidelines	01/01/2013	Bykovo, Moscow region, Russia	Scientific community (higher education, Research)	1000	Russian and other Customs Union countries (Belarus, Kazakhstan)

			delines, as well as regulatory documents of the Customs Union countries					
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Section B (Confidential or public: confidential information marked clearly)

LIST OF APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS, UTILITY MODELS, ETC.					
Type of IP Rights	Confidential	Foreseen embargo date dd/mm/yyyy	Application reference(s) (e.g. EP123456)	Subject or title of application	Applicant(s) (as on the application)

OVERVIEW TABLE WITH EXPLOITABLE FOREGROUND

Type of Exploitable Foreground	Description of Exploitable Foreground	Confidential	Foreseen embargo date dd/mm/yyyy	Exploitable product(s) or measure(s)	Sector(s) of application	Timetable for commercial use or any other use	Patents or other IPR exploitation (licences)	Owner and Other Beneficiary(s) involved
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ADDITIONAL TEMPLATE B2: OVERVIEW TABLE WITH EXPLOITABLE FOREGROUND

Description of Exploitable Foreground	Explain of the Exploitable Foreground
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4.3 Report on societal implications

B. Ethics

1. Did your project undergo an Ethics Review (and/or Screening)?	No
If Yes: have you described the progress of compliance with the relevant Ethics Review/Screening Requirements in the frame of the periodic/final reports?	
2. Please indicate whether your project involved any of the following issues :	
RESEARCH ON HUMANS	
Did the project involve children?	No
Did the project involve patients?	No
Did the project involve persons not able to consent?	No
Did the project involve adult healthy volunteers?	No
Did the project involve Human genetic material?	No
Did the project involve Human biological samples?	No
Did the project involve Human data collection?	No
RESEARCH ON HUMAN EMBRYO/FOETUS	
Did the project involve Human Embryos?	No
Did the project involve Human Foetal Tissue / Cells?	No
Did the project involve Human Embryonic Stem Cells (hESCs)?	No
Did the project on human Embryonic Stem Cells involve cells in culture?	No
Did the project on human Embryonic Stem Cells involve the derivation of cells from Embryos?	No
PRIVACY	
Did the project involve processing of genetic information or personal data (eg. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)?	No
Did the project involve tracking the location or observation of people?	No
RESEARCH ON ANIMALS	

Did the project involve research on animals?	No
Were those animals transgenic small laboratory animals?	No
Were those animals transgenic farm animals?	No
Were those animals cloned farm animals?	No
Were those animals non-human primates?	No
RESEARCH INVOLVING DEVELOPING COUNTRIES	
Did the project involve the use of local resources (genetic, animal, plant etc)?	No
Was the project of benefit to local community (capacity building, access to healthcare, education etc)?	No
DUAL USE	
Research having direct military use	No
Research having potential for terrorist abuse	No

C. Workforce Statistics

3. Workforce statistics for the project: Please indicate in the table below the number of people who worked on the project (on a headcount basis).

Type of Position	Number of Women	Number of Men
Scientific Coordinator	0	1
Work package leaders	2	3
Experienced researchers (i.e. PhD holders)	0	0
PhD student	0	0
Other	0	0

4. How many additional researchers (in companies and universities) were recruited specifically for this project?	0
Of which, indicate the number of men:	0

D. Gender Aspects

5. Did you carry out specific Gender Equality Actions under the project ?	Yes
6. Which of the following actions did you carry out and how effective were they?	
Design and implement an equal opportunity policy	Not Applicable
Set targets to achieve a gender balance in the workforce	Not Applicable
Organise conferences and workshops on gender	Not Applicable
Actions to improve work-life balance	Not Applicable
Other:	
7. Was there a gender dimension associated with the research content - i.e. wherever people were the focus of the research as, for example, consumers, users, patients or in trials, was the issue of gender considered and addressed?	No
If yes, please specify:	

E. Synergies with Science Education

8. Did your project involve working with students and/or school pupils (e.g. open days, participation in science festivals and events, prizes/competitions or joint projects)?	Yes
If yes, please specify:	Work package leader taught at summer school involving plant health topic. Launched funded research call for post graduate fellowships
9. Did the project generate any science education material (e.g. kits, websites, explanatory booklets, DVDs)?	No

F. Interdisciplinarity

10. Which disciplines (see list below) are involved in your project?	
Main discipline:	1.5 Biological sciences (biology, botany, bacteriology, microbiology, zoology, entomology, genetics, biochemistry, biophysics, other allied sciences, excluding clinical and veterinary sciences)
Associated discipline:	4.1 Agriculture, forestry, fisheries and allied sciences (agronomy, animal husbandry, fisheries, forestry, horticulture, other allied subjects)
Associated discipline:	5.2 Economics

G. Engaging with Civil society and policy makers

11a. Did your project engage with societal actors beyond the research community? (if 'No', go to Question 14)	Yes
11b. If yes, did you engage with citizens (citizens' panels / juries) or organised civil society (NGOs, patients' groups etc.)?	No
11c. In doing so, did your project involve actors whose role is mainly to organise the dialogue with citizens and organised civil society (e.g. professional mediator; communication company, science museums)?	
12. Did you engage with government / public bodies or policy makers (including international organisations)	Yes- in framing the research agenda
13a. Will the project generate outputs (expertise or scientific advice) which could be used by policy makers?	Yes - as a primary objective (please indicate areas below multiple answers possible)
13b. If Yes, in which fields?	
Agriculture	Yes
Audiovisual and Media	No
Budget	No
Competition	No
Consumers	No
Culture	No
Customs	No
Development Economic and Monetary Affairs	No
Education, Training, Youth	No
Employment and Social Affairs	No
Energy	No
Enlargement	No
Enterprise	No
Environment	No
External Relations	No
External Trade	No
Fisheries and Maritime Affairs	No
Food Safety	No
Foreign and Security Policy	No
Fraud	No

Humanitarian aid	No
Human rightsd	No
Information Society	No
Institutional affairs	No
Internal Market	No
Justice, freedom and security	No
Public Health	No
Regional Policy	No
Research and Innovation	No
Space	No
Taxation	No
Transport	No
13c. If Yes, at which level?	European level

H. Use and dissemination

14. How many Articles were published/accepted for publication in peer-reviewed journals?	0
To how many of these is open access provided?	0
How many of these are published in open access journals?	0
How many of these are published in open repositories?	0
To how many of these is open access not provided?	0
Please check all applicable reasons for not providing open access:	
publisher's licensing agreement would not permit publishing in a repository	No
no suitable repository available	No
no suitable open access journal available	No
no funds available to publish in an open access journal	No
lack of time and resources	No
lack of information on open access	No
If other - please specify	
15. How many new patent applications ('priority filings') have been made? ('Technologically unique': multiple applications for the same invention in different jurisdictions should be counted as just one application of grant).	0

16. Indicate how many of the following Intellectual Property Rights were applied for (give number in each box).

Trademark	0
Registered design	0
Other	0

17. How many spin-off companies were created / are planned as a direct result of the project?

Indicate the approximate number of additional jobs in these companies: 0

18. Please indicate whether your project has a potential impact on employment, in comparison with the situation before your project:

Safeguard employment, None of the above / not relevant to the project

19. For your project partnership please estimate the employment effect resulting directly from your participation in Full Time Equivalent (FTE = one person working fulltime for a year) jobs:

0Difficult to estimate / not possible to quantify

I. Media and Communication to the general public

20. As part of the project, were any of the beneficiaries professionals in communication or media relations?

No

21. As part of the project, have any beneficiaries received professional media / communication training / advice to improve communication with the general public?

No

22. Which of the following have been used to communicate information about your project to the general public, or have resulted from your project?

Press Release	Yes
Media briefing	No
TV coverage / report	No
Radio coverage / report	No
Brochures /posters / flyers	Yes
DVD /Film /Multimedia	No
Coverage in specialist press	Yes
Coverage in general (non-specialist) press	No
Coverage in national press	No
Coverage in international press	No
Website for the general public / internet	Yes

Event targeting general public (festival, conference, exhibition, science café)	No
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23. In which languages are the information products for the general public produced?

Language of the coordinator	Yes
Other language(s)	No
English	No

Attachments	EUPHRESCO-2 Final Report Annexes.pdf
Grant Agreement number:	266505
Project acronym:	EUPHRESCO
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Funding Scheme:	FP7-CSA-CA
Project starting date:	01/01/2011
Project end date:	31/03/2014
Name of the scientific representative of the project's coordinator and organisation:	Dr. Alan Inman THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS
Name	
Date	18/09/2014

This declaration was visaed electronically by Christina STEVENI (ECAS user name nstevech) on 18/09/2014