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REPCO

**Replacement of Copper Fungicides in Organic Production of Grapevine and
Apple in Europe**

Specific Targeted Research Project

Priority 8.1 Policy-oriented research

**Publishable results of the
Final plan for using and disseminating the knowledge**

Period covered: from 1 Nov 2006 to 31 Oct 2006

Date of preparation: 14 December 2007

Start date of project: 1 Nov 2003

Duration: 1 Nov 2003 – 31 Oct 2007

Project coordinator: Plant Research International
J. Köhl

Plan for using and disseminating the knowledge

Section 1 - Exploitable knowledge and its Use

REPCO produced exploitable knowledge on the use of several potentiators of resistance or organically based fungicides in organic production of grapevine or apple. Such novel products showed promising activity against downy mildew of grapevine (*Plasmopara viticola*) and/or apple scab (*Venturia inaequalis*) and may have a potential in control of other plant diseases. Also an antagonist isolate for effective control of apple scab has been found. In part, exploitable knowledge has been or will be protected by patent applications to facilitate the commercial development of plant protection products by industries. General information on REPCO patent applications is given in Table 1.

REPCO evaluated a substantial number of formulated or non-formulated products obtained by various industries or scientific institutes (Table 2). REPCO partners have agreements with such industries or scientific institutes and based on agreements knowledge on test products has been exchanged directly between REPCO partners and the respective industries or scientific institutes so that the knowledge can be exploited. In other cases, knowledge is available for industries on request or/and will be published and thus available for exploitation by industries.

It is planned to publish results from the whole REPCO screening programme. These publications will include details on all materials tested, i.e. both materials that were effective and those that were not. Publication of negative results is of importance to all who are planning similar research in the future, as it will guide them as to which materials to select and which to avoid.

Table 1. General information on patent applications by REPCO partners.

| Exploitable Knowledge | Exploitable product(s) or measures | Sector(s) of application | Time-table for commercial use | Patents or other IPR protection | Owners & Other partner(s) involved | Plans for exploitation |
|---|---|---|--------------------------------------|--|---|--|
| A new material for control of scab in organic apple growing | Formulated product based on extract (s) from <i>Yucca</i> spp. | Plant protection industry, especially organic apple growing | ~ 5-10 years for development | Patent application submitted: "New composition for control of foliar diseases" | PPO (lead owner), UoA, LIFE | Contacts established with several industries |
| A new material for control of scab in organic apple growing | Formulated products based on extract (s) from <i>Camellia</i> spp., <i>Trigonella foenum-graceum</i> , <i>Rosmarinus officinalis</i> , <i>Thymus</i> spp., <i>Origanum</i> spp., <i>Salvia</i> spp. and/or <i>Mentha</i> spp. | Plant protection industry, especially organic apple growing | ~ 5-10 years for development | Patent application submitted: "A natural product having a fungus inhibiting effect on specific fungal pathogens and a growth promoting effect for improving plant production" | LIFE & Nor-Natur ApS (lead owner) | Under negotiation |
| A new material for control of scab in organic apple growing | Formulated products based on extract <i>Quillaja saponaria</i> , <i>Chenopodium quinoa</i> , <i>Camellia</i> spp., and a saponin containing plant material | Plant protection industry, especially organic apple growing | ~ 5-10 years for development | Patent application submitted: "A natural product containing fenugreek, tea and/or rosemary having fungus inhibiting and growth promoting effect for improving plant production and its | LIFE & Nor-Natur ApS (lead owner) | Under negotiation |

| Exploitable Knowledge | Exploitable product(s) or measures | Sector(s) of application | Time-table for commercial use | Patents or other IPR protection | Owners & Other partner(s) involved | Plans for exploitation |
|---|---|---|--------------------------------------|---|---|--|
| | | | | use” | | |
| A new material for control of downy mildew in grapevine growing | Formulated products based on alkylphospholipide and lysophospholipide | Plant protection industry, especially organic grapevine growing | ~ 5-10 years for development | Patent application submitted: Alkylphospholipide and lysophospholipide for plant protection | WBI and Klinik für Tumorbiologie, Freiburg, Germany | Contacts established with several industries |
| Fungicidal activity of a plant extract, extraction procedure | Organic fungicide based on plant extract | Plant protection industry, especially organic agriculture | 2010-2012 | Patent application considered: Fungicidal activity of a plant extract; extraction procedure | FiBL | |
| A new material for control of scab in organic apple growing | Product based on spores of an antagonistic fungal isolate | Plant protection industry, especially organic apple growing | ~ 5-10 years for development | Patent application considered: Use of fungal isolate for scab control in apple | PRI | Contacts established with industry |

Table 2. List of Knowledge exploitable by industries or in other research activities

| Industry / Institute | Materials | Information | Knowledge Owner |
|--|----------------------------------|---|------------------------|
| ChiPro GmbH Bremen D | 5 Chitosanes | Efficacy against Pv in vitro or on seedlings | WBI |
| DEGUSSA GmbH, Düsseldorf, D | 7 Adhesives and detergents | Efficacy against Pv in vitro or on seedlings | WBI |
| Madora GmbH, Lörrach, D | 1 Plant extracts | Efficacy against Pv in vitro or on seedlings | WBI |
| Novosil, Novosibirsk RUS | 1 Extracts from spruce leaves | Efficacy against Pv in vitro or on seedlings | WBI |
| Oro Agri Int. Ltd. Hoppe, CH | 1 Extract from orange skins | Efficacy against Pv in vitro or on seedlings | WBI |
| Culture Collection of Algae and Protozoa, Argyll UK | 3 Algae | Efficacy against Pv in vitro or on seedlings | WBI |
| Elicityl, SA Crolles, F | 5 Elicitors | Efficacy against Pv in vitro or on seedlings | WBI |
| AkzoNobel, Denenter, NL | 6 Peroxides | Efficacy against Pv in vitro or on seedlings | WBI |
| CEVA Centre d'Etude et de Valorisation des Algues, F | 3 Algae extracts | Efficacy against Pv in vitro or on seedlings | WBI |
| Nor-Natur ApS, DK | 8 Plant extracts | Efficacy against Pv in vitro or on seedlings | WBI |
| Syngenta Crop Protection AG, Basel, CH | 2 Bion and DCINA | Efficacy against Pv in vitro or on seedlings | WBI |
| Spiess-Urania Chemicals GmbH, Hamburg, D | 1 Sticker | Efficacy against Pv in vitro or on seedlings | WBI |
| Lebosol Dünger GmbH, Deideshem, D | 2 Phosphonate and aminoacids | Efficacy against Pv in vitro or on seedlings | WBI |
| Wacker Chemie, Burghausen, D | 1 Polysaccharide | Efficacy against Pv in vitro or on seedlings | WBI |
| Proagro GmbH, Abenberg, D | 1 Adhesive | Efficacy against Pv in vitro or on seedlings | WBI |
| Univ. of Haifa, Israel | 1 BABA | Efficacy against Pv in vitro or on seedlings | WBI |
| Univ. of Freiburg | 3 Bacteria and plant extract | Efficacy against Pv in vitro or on seedlings | WBI |
| Klinik für Tumorbiologie Freiburg, D | 20 Phospholipids and 2 Liposomes | Efficacy against Pv in vitro or on seedlings | WBI |
| Univ. of Göttingen, D | 3 Algae | Efficacy against Pv in vitro or on seedlings | WBI |
| Univ. of Plodviv, Bulgaria | 3 Plant extracts | Efficacy against Pv in vitro or on seedlings | WBI |
| Nor-Natur ApS, DK | 6 test products (plant extracts) | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Biomor Israel Ltd, Ramat Gan 52521, Israel | 2 test products | Efficacy against Pv on seedlings and in field experiments | FiBL |
| BIOCURA Productions Co. Ltd, Bangkok, Thailand | 3 test products (plant extracts) | Efficacy against Pv on seedlings | FiBL |
| Oro Agri Int. Ltd. Hoppe, CH | 1 Extract from orange skins | Efficacy against Pv on seedlings | FiBL |
| Novosil, Novosibirsk RUS | 1 Extract from pine tree | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Bio-Biz Company, Moscow, | 2 test products | Efficacy against Pv on seedlings and | FiBL |

| Industry / Institute | Materials | Information | Knowledge Owner |
|--|--|---|------------------------|
| Russia | | in field experiments | |
| Unipoint AG, Langenmoos 9, CH-8475 Ossingen | 1 product (Klinoptilolith, Zeolith) | Efficacy against Pv on seedlings | FiBL |
| Swiss Food Tech Management AG, Switzerland | 1 treatment technique (PhytO3) | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Protexx | 1 test product | Efficacy against Pv on seedlings | FiBL |
| Gen-Rame | 1 test product | Efficacy against Pv on seedlings | FiBL |
| Tulum Consulting, Switzerland | Moringa leaf powder | Efficacy against Pv on seedlings | FiBL |
| HKI 07745 Jena, Germany | 1 experimental substance | Efficacy against Pv on seedlings | FiBL |
| Manda Fermentation Co., Ltd. Japan | 1 test product | Efficacy against Pv on seedlings | FiBL |
| Grünkraft | 1 test product | Efficacy against Pv on seedlings | FiBL |
| ChiPro GmbH Bremen D | 1 test product | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Stähler Suisse SA, Zofingen, Switzerland | 1 test product: Agricure | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Prof. Y. Cohen, Ramat Gan, Israel | 1 series of test products | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Global Biobased Asia, Hong Kong | 1 test product | Efficacy against Pv on seedlings | FiBL |
| Procédés Roland Pigeon SA, Avenches Switzerland | 1 test product (PRP Blauwasser) | Efficacy against Pv on seedlings | FiBL |
| IASMA, San Michele Italy | 1 test product: Tecnobiol | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Koppert Biological Systems, NL | 1 test product | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Hédél Sàrl, 1700 Fribourg, Switzerland | 3 test products | Efficacy against Pv on seedlings | FiBL |
| AJE GmbH, 8832 Wollerau, Switzerland | 1 test product ('Targanic' fulvic acids) | Efficacy against Pv on seedlings | FiBL |
| Andermatt Biocontrol AG, 6146 Grossdietwil, Switzerland | 4 test products and 6 batches of Mycosin | Efficacy against Pv on seedlings | FiBL |
| Koppert Biological Systems (NL) | 1 test product | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Omya Agro (CH) | 1 test product | Efficacy against Pv on seedlings and in field experiments | FiBL |
| BBA (D) | 2 test products | Efficacy against Pv on seedlings | FiBL |
| Trifolio-M GmbH; 35633 Lahnau; Germany | 3 test products | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Bernard Paul; Institut Jules Guyot ; Université de Bourgogne 21078 Dijon, France | 1 test product | Efficacy against Pv on seedlings and in field experiments | FiBL |
| Melaxa s.r.l (I) | 2 test products | Efficacy against Pv in crops | IASMA |
| IntachemBio (I) | 4 test products | Efficacy against Pv in crops | IASMA |
| Sicit 2000 s.p.a. (I) | 5 test products | Efficacy against Pv in crops | IASMA |

| Industry / Institute | Materials | Information | Knowledge Owner |
|-----------------------------------|---|----------------------------------|------------------------|
| ELEP s.p.a. (I) | 1 test product | Efficacy against Pv in crops | IASMA |
| Vend (UA) | 1 test product | Efficacy against Pv in crops | IASMA |
| Ofakim (IL) | 1 test product | Efficacy against Pv in crops | IASMA |
| Deruned (NL) | 1 test product | Efficacy against Pv in crops | IASMA |
| Prophyta GmbH (D) | 2 test products | Efficacy against Pv in crops | IASMA |
| Biomor (IL) | 2 test products | Efficacy against Pv in crops | IASMA |
| Ghielmini e associati (CH) | 1 test product | Efficacy against Pv in crops | IASMA |
| Nor-Natur Aps (DK) | 2 test products | Efficacy against Pv in crops | IASMA |
| Agrimport s.p.a. (I) | 1 test product | Efficacy against Pv in crops | IASMA |
| ChiPro GmbH (D) | 1 test product | Efficacy against Pv in crops | IASMA |
| Andermatt Biocontrol (CH) | 3 test products | Efficacy against Pv in crops | IASMA |
| Syngenta (CH) | 1 test product | Efficacy against Pv in crops | IASMA |
| Koppert (NL) | 1 test product | Efficacy against Pv in crops | IASMA |
| Tecnotrea (I) | 1 test product | Efficacy against Pv in crops | IASMA |
| Jeneil Biosurfactant Company (US) | 1 test product | Efficacy against Pv in crops | IASMA |
| Montanwerke brixlegg (A) | 1 test product | Efficacy against Pv in crops | IASMA |
| Newagri s.r.l. (I) | 1 test product | Efficacy against Pv in crops | IASMA |
| Valagro (I) | 1 test product | Efficacy against Pv in crops | IASMA |
| Agricenter (I) | 1 test product | Efficacy against Pv in crops | IASMA |
| Biofert s.p.a (I) | 2 test products | Efficacy against Pv in crops | IASMA |
| Eden Bioscience (US) | 1 test product | Efficacy against Pv in crops | IASMA |
| Ecosfera (CH) | 3 test products | Efficacy against Pv in crops | IASMA |
| Shinetsu (US) | 1 test product | Efficacy against Pv in crops | IASMA |
| Omya Agro (CH) | 1 test product | Efficacy against Pv in crops | IASMA |
| Sigma-Aldrich (US) | 1 test product | Efficacy against Pv in crops | IASMA |
| Safecrop centre (I) | 18 test products | Efficacy against Pv in crops | IASMA |
| BBA (D) | 4 test products | Efficacy against Pv in crops | IASMA |
| GRAB (F) | 1 test product | Efficacy against Pv in crops | GRAB |
| Biomor (IL) | 2 test products | Efficacy against Pv in crops | GRAB |
| ChiPro GmbH (D) | 1 test product | Efficacy against Pv in crops | GRAB |
| Deruned (NL) | 1 test product | Efficacy against Pv in crops | GRAB |
| Prof. Y. Cohen, Ramat Gan, Israel | 1 test product | Efficacy against Pv in crops | GRAB |
| Inobio (F) | 1 test product | Efficacy against Pv in crops | GRAB |
| UFAB (F) | 1 test product | Efficacy against Pv in crops | GRAB |
| Helena Chemical Company (US) | 1 test product | Efficacy against Pv in crops | GRAB |
| Maktehteshim Chemical works (IL) | 1 test product | Efficacy against Pv in crops | GRAB |
| Agrimport s.p.a.(I) | 1 test product | Efficacy against Pv in crops | GRAB |
| Omya Agro (CH) | 1 test product | Efficacy against Pv in crops | GRAB |
| Nor-Natur Aps | ~5 formulated, ~50 non-formulated test products | Efficacy against Vi on seedlings | LIFE (Joint) |
| Natur-Drogeriet A/S | ~50 non-formulated test product | Efficacy against Vi on seedlings | LIFE |
| Duxon Aps | 4 formulated test product | Efficacy against Vi on seedlings | LIFE (Joint) |
| Koppert Biological Systems | 1 formulated test product | Efficacy against Vi on seedlings | LIFE (Joint) |
| Biomor Israel Ltd | 1 formulated test | Efficacy against Vi on seedlings | LIFE (Joint) |

| Industry / Institute | Materials | Information | Knowledge Owner |
|---------------------------------|---|----------------------------------|-----------------|
| | product | | |
| UoA (Bayer, Karlhamns Binol) | ~3 formulated test products | Efficacy against Vi on seedlings | LIFE |
| Prophyta | 9 formulated, 1 non-formulated test products | Efficacy against Vi on seedlings | LIFE (Joint) |
| PPO (DeruNed, Biofa and others) | ~5 formulated, 2 non-formulated test products | Efficacy against Vi on seedlings | LIFE (Joint) |
| Codena, CA | 1 formulated test product | Efficacy against Vi on seedlings | LIFE (Joint) |
| Citrus Europe, N | 1 formulated test product | Efficacy against Vi on seedlings | LIFE (Joint) |
| Cintamani, PL | 1 formulated test product | Efficacy against Vi on seedlings | LIFE |
| Biosa Denmark, DK | 1 formulated test product | Efficacy against Vi on seedlings | LIFE (Joint) |
| A.Nikolov, Bulgaria | 3 formulated test products | Efficacy against Vi on seedlings | LIFE (Joint) |
| UoA, DK | 2 formulated products | Efficacy against Vi in crops | UoA |
| Jean Pierre Laffranque, F | 1 formulated product | Efficacy against Vi in crops | UoA |
| PPO, NL | 1 formulated product | Efficacy against Vi in crops | UoA |
| Bestebreurtje BV, NL | 1 formulated product | Efficacy against Vi in crops | UoA |
| Natur-Drogeriet, DK | 17 non formulated products | Efficacy against Vi in crops | UoA |
| Nor-Natur, Dk | 10 formulated products | Efficacy against Vi in crops | UoA |
| Biodexa, F | 1 formulated product | Efficacy against Vi in crops | UoA |
| Chipro Company, G | 1 formulated product | Efficacy against Vi in crops | UoA |
| | | | |
| Deruned (NL) | 1 test product | Efficacy against Vi in crops | PPO |
| Helena Chemical Company (USA) | 1 test product | Efficacy against Vi in crops | PPO |
| Paques BV (NL) | 1 test product | Efficacy against Vi in crops | PPO |
| Goëmar (F) | 1 test product | Efficacy against Vi in crops | PPO |
| Koppert B.V. (NL) | 1 test product | Efficacy against Vi in crops | PPO |
| Aseptia BV (NL) | standard test product copper hydroxide | Efficacy against Vi in crops | PPO |
| Syngenta CropProtection (NL) | standard test product Thiovit Jet | Efficacy against Vi in crops | PPO |
| ChiPro GmbH (D) | 1 test product | Efficacy against Vi in crops | PPO |
| Xeda international (F) | 1 test product | Efficacy against Vi in crops | PPO |
| Nor-natur ApS (DK) | several test products | Efficacy against Vi in crops | PPO |
| Natur-drogeriet A/S (DK) | several test products | Efficacy against Vi in crops | PPO |
| Agro-Centrum BV | 1 test product | Efficacy against Vi in crops | PPO |
| Carmeuse (NL) | 1 test product | Efficacy against Vi in crops | PPO |
| Deruned (NL) | 1 test product | Efficacy against Vi in crops | PPO |
| Schuurmans en van Ginneken B.V. | Melasse and Vinasse | Promote leaf degradation | PPO |
| Vlamings, Mortel | Melasse and Vinasse | Promote leaf degradation | PPO |
| Agro-Centrum BV (NL) | Melasse and Vinasse | Promote leaf degradation | PPO |

| Industry / Institute | Materials | Information | Knowledge Owner |
|-----------------------------|-------------------------------|--------------------------|------------------------|
| Lebosol Dünger (D) | 3 test products | Promote leaf degradation | PPO |
| Hydro Agri Benelux (NL) | standard test product Urea | Promote leaf degradation | PPO |
| Prophyta (D) | biocontrol agent | Promote leaf degradation | PPO |
| Compara (NL) | 1 test product | Promote leaf degradation | PPO |

Section 2 – Dissemination of knowledge

An overview of dissemination activities of REPCO partners during and after the project period is presented in Table 3. Detailed information on publications, oral conference contributions and poster conference contributions are listed below. Also details of planned activities are given in a list.

Note: Publications have been produced wholly or in part through support by REPCO. Conference participation has been supported only in part by REPCO.

Table 3. Overview table: Dissemination activities of REPCO partners during and after the project period

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------------|---------------|---------------------------|---------------------|------------------|-------------------------------|--|
| Project Period 1 | | | | | | |
| 12 Dec 2003 | Newsletter | Growers | NL, B | | BioFruitAdvies | Announcement of REPCO in EKO Bericht 44 (2003) (newsletter to organic fruit growers in The Netherlands and Belgium) |
| 3-5 Jan 2004 | Meeting | Advisers, Research | International | | BioFruitAdvies | Discussion with 11 th International Conference on Cultivation Technique and Phytopathological Problems in Organic Fruit Growing, Weinsberg, Germany |
| 16-18 Jan 2004 | Conference | Research | International | | PPO | 11 th Meeting on Apple Scab, Gleisdorf, Austria |
| 02 Feb 2004 | Press release | Grower | D | | WBI, ECOVIN | Der Badische Winzer, Der Deutsche Weinbau, Weinmagazin |
| 10 Feb 2004 | Meeting | Growers/Research | NL | 8 | PPO/BioFruitAdvies/PRI | Discussion with Dutch working group Organic Fruit Growing |
| 09 Mar 2004 11 Mar 2004 | Meeting | Growers | NL, B | | BioFruitAdvies | Discussion during 2 meetings with growers on crop protection in organic fruit production in NL and B |
| 24-27 Mar 2004 | Poster | Research | International | 150 | PRI/all | General Info REPCO Poster; Disease Biocontrol, Seville |
| Mar 2004 | Publication | Research | International | | PPO | The role of earthworms in strategies against scab (<i>Venturia inaequalis</i>) in apple orchards; Literature study |
| Apr 2004 | Meeting | Growers/Research | NL | | PPO/BioFruitAdvies | Discussion with Dutch working group Organic Fruit Growing |
| 04-09 May 2004 | Conference | Research | International | | WBI | Poster on Resistance Inducer, IOBC Meeting Induced Resistance, Helsingør Denmark |
| 12 May 2004 | Congress | Grower, Extension service | D, AU, CH | 250 | WBI, ECOVIN | INTERVITIS INTERFRUCTA 2004 1. Internationales Symposium für |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|-------------------------|---------------------|------------------|-------------------------------|---|
| | | | | | | ökologischen Obst- und Weinbau |
| May 2004 | Project web-site | General public | International | | PRI/all | www.rep-co.nl |
| 9-13 Jun 2004 | Poster | Research | International | 150 | PRI/all | General Info REPCO Poster; IOBC, S. Michele |
| Jun 2004 | Flyer | General public | NL | | PRI | Biologischonderzoeksbericht 11 |
| Jun 2004 | Publication | Research/Growers | DK | | LIFE | DARCOFenews, June, No. 2. Control of apple scab by use of the plants own defence mechanisms (www.darcof.dk/enews/june04/scab.html) |
| Jun 2004 | Publication | Research/Growers | DK | | LIFE | FØJOnyt, juni, Nr. 3. Bekæmpelse af æbleskurv ved brug af plantens egne forsvarsmekanismer (www.foejo.dk/enyt2/enyt/juni04/skurv.html) |
| Jun 2004 | Meeting | Growers | D | | WBI, ECOVIN | Presentation of project to ECOVIN members |
| Jun 2004 | Meeting | Growers | D | | WBI | Presentation of project to growers |
| Jul 2005 | Press release | General public | D | | WBI | Project presentation as general info |
| 05 Aug 2004 | Exhibition / Demonstration | Growers | DK | | UoA | Open house arrangement for organic fruit and vegetable growers at DARCOF, 5 th August. |
| 21-22 Aug 2004 | Exhibition / Demonstration | General public/ Growers | CH | | FiBL | Open door at FiBL |
| 24 Aug 2004 | Meeting | Growers | D | | Ecovin | Discussion of Ecovin members on Plant Protection in organic grapevine |
| 26 Aug 2004 | Exhibition / Demonstration | Government | NL | 3 | PPO | Ministry of Agriculture |
| Aug 2004 | Exhibition / Demonstration | Growers | DK | | UoA | Open day for organic fruit growers at UoA, AARSLEV |
| 15 Sep 2004 | Field demonstration | Extension service | D | 60 | WBI | 8. Freiburger Versuchsführung |
| 22 Sep 2004 | Conference | Research | D | | WBI | Presentation of results on Induction of |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|-------------------------|----------------------------|-------------------------|---------------------|------------------|-------------------------------|---|
| | | | | | | resistance in grapevine by different Inducers, Deutsche Pflanzenschutztagung |
| Sep 2004 | Exhibition / Demonstration | Higher education | DK | | LIFE | Presentation of the project & demonstration of laboratory screening procedures for 2 nd year students at LIFE |
| Sep 2004 | Exhibition / Demonstration | General public/ Growers | DK | | UoA | Open day arrangement for general public at UoA, AArslev |
| Sep 2004 | Meeting | Growers/Research | NL | | PPO/BioFruitAdvies | Discussion with Dutch working group Organic Fruit Growing |
| Sep 2004 | Publication | Research/Growers | DK | | LIFE & UoA | DARCOFenews, September, No. 3. New fungicides for apple scab control in organic growing. (www.darcof.dk/enews/sep04/scab.html) |
| 07 Oct 2004 | Meeting | Experts | D | 25 | WBI | Fachbeirat Nachhaltiger Pflanzenbau, Bundesamt für Verbraucherschutz und Lebensmittelsicherheit |
| 13 Oct 2004 | Meeting | Experts | D | 50 | WBI | AK Pflanzenschutz beim Forschungsring des Deutschen Weinbaus Workshop Pflanzenstärkungsmittel |
| 15 Oct 2004 | Exhibition / Demonstration | General public | DK | | LIFE | Information on REPCO distributed at the NORDIC Council of Ministers' open day: "Store Nordiske Æbleday" on biodiversity & food security, Copenhagen |
| Oct 2004 | Exhibition / Demonstration | Higher education | DK | | LIFE | Project presented in lecture for students attending Biological Control course at LIFE |
| Oct 2004 | Publication | Research/Growers | DK | | LIFE / UoA | FØJOnyt, Nye midler til bekæmpelse af skurv i økologisk øble dyrkning. |
| Project Period 2 | | | | | | |
| 01 Nov 2004 | Newsletter | Growers | NL, B | | BioFruitAdvies | Announcement of REPCO in EKO Bericht 44 (2003) (newsletter to organic fruit growers in The Netherlands and Belgium) |
| 24 Nov 2004 | Meeting | Extension service | D | 70 | WBI | Annual meeting of the extension service for |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|---------------------|---------------------|------------------|-------------------------------|--|
| | | | | | | viticulture, Baden-Württemberg |
| 25 Nov 2004 | General Assembly | Grower | D | 50 | Ecovin WBI | Ecovin Baden Generalversammlung |
| Nov 2004 | Course | Growers | DK | 40 | UoA | Talk at course for Organic apple growers |
| 08-09 Dec 2004 | Meeting | Growers | F | 150 | Grab | Presentation of REPCO in meeting of ITAB |
| Dec 2004 | Meeting | Growers | D | | WBI | Presentation of project to members of 'Badischer Weinbauverband' |
| 12 Jan 2005 | Meeting | Growers | F | 10 | Grab | National meeting on organic viticulture |
| 21-22 Jan 2005 | Conference | Research | International | 20 | LIFE | Presentation and discussion at the 12th meeting on apple scab, Sweden |
| 26 Jan 2005 | Meeting | Growers | NL | | BioFruitAdvies | "Studiedag Biologische fruitteelt". The Dutch organic growers were informed on the effectiveness of potassium phosphate on apple scab. |
| 10 Feb 2005 | Meeting | Growers | international | | BioFruitAdvies | International Meeting to discuss effectiveness, and possible negative impacts of the use of potassium phosphate in organic fruit growing. Organized by the Fördergemeinschaft Ökologischer Obstbau in Weinsberg. |
| 24 Feb 2005 | Exhibition / Demonstration | Growers | DK | 10 | LIFE | Presentation and demonstration of the project for the board of fruit and ornamental tree club. |
| 04 Mar 2005 | Course | Growers | CH | 20 | FiBL | Course for growers to improve organic vine production |
| 09 Mar 2005 | Meeting | Growers | CH | 60 | FiBL | Information day on plant protection news for farmers |
| 01-02 Apr 2005 | Conference | Growers, advisers | E | 50 | FiBL | Oral contribution |
| 18-22 Apr 2005 | Conference | Research | International | | PRI | Oral contribution at 1st International Conference on Plant-Microbe Interactions – Endophytes and Biocontrol Agents, Saariselkä, Finland. |
| 21 Apr 2005 | Meeting | University students | DK | 20 | LIFE | Presentation of the project for 2nd year |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|---|----------------------|------------------|-------------------------------|---|
| | | | | | | students at LIFE |
| 11 May 2005 | Conference | Research | DK | 25 | LIFE & UoA | Presentation at meeting of the Danish Society of Plant Pathology |
| 12-13 May 2005 | Conference | Research and advisors | International | 100 | FiBL | Oral contribution and paper |
| 30 May 2005 | Exhibition / Demonstration | General public / High School students | DK | >100 | LIFE | Demonstration of the project at "Svampefestivalen" at Botanical Garden, Copenhagen |
| May 2005 | Conference | Research, advisers | D | | WBI | Presentation of results at Annual Meeting of the "Forschungsring des Deutschen Weinbaus" |
| May-Sept 2005 | Exhibition / Demonstration | Growers, general public, Advisors, researcher | CH and International | 5 - 50 | FiBL | Presentations of FiBL-research and advisory facilities and activities |
| 02 Jun 2005 | Meeting | LIFE's leadership | DK | 3 | LIFE / PPO | Presentation of the project for the Prorector for research in connection with patent enquiry |
| Jul 2005 | Press release | General public | D | | WBI | Project presentation as general info |
| 31 Aug-04 Sep 2005 | Conference | Research | International | 40 | PRI | Oral contribution at 7th International IOBC/wprs workshop on pome fruit diseases, Italy/September, 2005 |
| 31 Aug-04 Sep 2005 | Conference | Research | International | 40 | LIFE | Contribution at 7th International IOBC/wprs workshop on pome fruit diseases, Italy/September, 2005 |
| 31 Aug-04 Sep 2005 | Conference | Research | International | 40 | PPO | Oral contribution at 7th International IOBC/wprs workshop on pome fruit diseases, Italy/September, 2005 |
| Aug 2005 | Course/Open day | Growers | Dk | 20 | UoA | Talk and field day for organic apple growers at UoA |
| Aug 2005 | Meeting | Scientists/growers | European | 50 | UoA | Field trip with visitors joining the annual Fruit prognosis meeting. Denmark was host in 2005. |
| Aug 2005 | Meeting | Growers | Dk | 30 | UoA | Field day for Danish apple and pear growers |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|-----------------------------|----------------------------|-------------------------------------|----------------------------|-------------------------|--------------------------------------|---|
| 14 Sep 2005 | Field demonstration | Extension service | D | 60 | WBI | 9. Freiburger Versuchsführung |
| 21-23 Sep 2005 | Flyer/Poster | General public | International | | PRI | Distributed at ISOFAR Conference, Adelaide, Australia |
| 22 Sep 2005 | Meeting | University students | DK & SE | 23 | LIFE | Presentation of the project for bachelor students at LIFE |
| Sep 2005 | Meeting | Growers | D | | WBI | Presentation of first results to growers |
| Sep 2005 | Meeting | Growers | D | | WBI, ECOVIN | Presentation of first results to members of ECOVIN |
| 03 Oct 2005 | Exhibition / Demonstration | Lower secondary school students | DK | 25 | LIFE | Presentation of the project & demonstration of laboratory screening procedures |
| 04 Oct 2005 | Exhibition / Demonstration | University students | DK & SE | 23 | LIFE | Presentation of the project & demonstration of laboratory screening procedures for bachelor students at LIFE |
| 20-21 Oct 2005 | Conference | Research | International | 100 | ETHZ | Meeting of the IOBC/WPRS Working Group “Integrated Protection and Production in Viticulture”, Boario Terme, Italy |
| 20-21 Oct 2005 | Conference | Research | International | 100 | Grab | Poster at meeting of the IOBC/WPRS Working Group “Integrated Protection and Production in Viticulture”, Boario Terme, Italy |
| 20-21 Oct 2005 | Conference | Research | International | 100 | IASMA | Meeting of the IOBC/WPRS Working Group “Integrated Protection and Production in Viticulture”, Boario Terme, Italy |
| 21 Oct 2005 | Poster | University students | DK & SE | 23 | LIFE | Student group present project result on apple scab including use of botanical fungicides |
| Project Period 3 | | | | | | |
| Nov 2005 – Oct 2006 | Exhibition, Demonstration | Growers, General Public, Researcher | CH and International | 2-40 | FiBL | Several groups of visitors at FiBL: Presentation and demonstration of activities |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|--------------------|---------------------|------------------|-------------------------------|---|
| | | | | | | within REPCO |
| 01-03 Nov 2005 | Conference | Research | International | | PRI | International Workshop on Implementation of biocontrol in practice, Flakkebjerg, Dk |
| 09 Nov 2005 | Conference | Growers, advisers | I | 100 | FiBL | Oral contribution, short communication follows |
| 14-15 Nov 2005 | Flyer | General public | International | | PRI | Distributed at CER2005, Brussels |
| 15 Nov 2005 | Conference | Students | F | 20 | Grab | Plant protection in organic viticulture |
| 24 Nov 2005 | Meeting | Extension service | D | 70 | WBI | Presentation of first results on the Annual Meeting of the extension service for V viticulture in Baden-Württemberg |
| Dec 2005 | Meeting | Growers | D | | WBI | Presentation of project to members of 'Badischer Weinbauverband' |
| Dec 2005 | Meeting | Growers, Advisors | D | | WBI, ECOVIN | Presentation of first results on the Annual Meeting of ECOVIN |
| 22-23 Jan 2006 | Meeting | Growers, Advisors | A | 100 | FiBL | Oral contribution |
| 31 Jan – 01 Feb 2006 | Conference | Advisers, research | Europe | 50 | PRI | 12th Int. conference Organic Fruit Growing, Weinsberg, D |
| 16 Feb 2006 | Meeting | Research | F | 10 | Grab | Workshop on replacement of copper in organic viticulture |
| 08 Mar 2006 | Meeting | Growers, Advisors | CH | 30 | FiBL | Information day on plant protection news and others (Presentation, Oral contribution) |
| 08 Mar 2006 | Meeting | Growers, Advisors | CH | 60 | ETHZ | Biorebbautagung, Olten, CH (Oral contribution) |
| 25-26 Mar 2006 | Exhibition / Demonstration | General public | DK | >1000 | LIFE | Presentation of the project & demonstration of laboratory screening procedures at open house arrangement, LIFE, Frederiksberg, Dk |
| 27 Mar 2006 | Meeting | Research / growers | F | 30 | Grab | Information day on plant protection news |
| 27-29 Mar 2006 | Conference | Research, growers | I | | IASMA | Presentation at Giornate fitopatologiche Italy |
| 29-30 Apr 2006 | Conference | Research | D | | PRI | Workshop DPG-Biocontrol, Geisenheim, Germany |
| 29 May 2006 | Press release | General public | International | | PPO/DIAS/ | Press release by PPO on patent application |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|------------------------------|---------------------|------------------|--------------------------------|---|
| | | | | | KVL | |
| 29 May 2006 | Publication | | | | LIFE | Utility model applications published in: Økologisk Jordbrug nr. 366: "Planteudtræk virksomt mod skurv" |
| 30 May 2006 | Congress | Experts | International | 1500 | WBI, ECOVIN | International Congress for Biocontrol |
| 30-31 May 2006 | Publications | Research | Europe | | All partners | 14 contributions in: Proceedings of the European Joint Organic Congress, Odense, Dk; |
| 30-31 May 2006 | Conference | Growers, consumers, research | Europe | 1000 | All partners, 10 contributions | 6 oral and 8 poster presentations; Joint Organic Congress in Odense, Dk |
| 01 Jun 2006 | Exhibition / Demonstration | Growers | DK, S | 60 | UoA | Field day for fruit growers |
| 02 Jun 2006 | Press release | Grower | Germany | | WBI | Der Badische Winzer, Der Deutsche Weinbau, Weinmagazin |
| 11-15 Jun 2006 | Conference | Research | International | | IASMA | 12th Mediterranean Phytopathological Congress, Greece |
| 18-23 Jun 2006 | Conference | Research | International | 200 | IASMA | Presentation at 5th International Workshop on Grapevine Downy and Powdery Mildew, S. Michele all' Adige, Italy |
| 18-23 Jun 2006 | Conference | Research | International | 200 | WBI | Presentation at 5th International Workshop on Grapevine Downy and Powdery Mildew, S. Michele all' Adige, Italy |
| 18-23 Jun 2006 | Conference | Research | International | 200 | ETHZ | Presentation at 5th International Workshop on Grapevine Downy and Powdery Mildew, S. Michele all' Adige, Italy. |
| 20 Jun 2006 | Exhibition / Demonstration | Advisors | NL | | PPO | Excursion to field experiments for Dutch extension service DLV |
| 21 Jun 2006 | Protection of knowledge | Patent | International | | WBI | Application of a patent: Alkylphospholipide and lyso-Phospholipide for plant protection |
| Jun 2006 | Course | Students | International | | PPO | Instruction and excursion to field experiments for International Students from IFP-course |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|-----------------------------------|---------------------|------------------|--------------------------------|--|
| Jun 2006 | Press release | General public | International | | PPO, LIFE, UoA | Efficacy of products in organic apple scab control |
| Jun 2006 | Press release | General public | NL | | PPO | Efficacy of products in organic apple scab control |
| Jun 2006 | Conference | Research | International | | PRI | Congres of the International Academy for Microbial Ecology (ISME-11), Vienna, Austria |
| Jun 2006 | Meeting | Research | D | | WBI | Common workshop wit colleagues from the "Klinik für Tumorbologie Freiburg |
| 10 Jul 2006 | Press release | General public | DK | | UoA | Yucca-planter til bekæmpelse af svampesygdomme I æbler. http://www.agrsci.dk/djf/nyheder/yucca_planter_til_bekaempelse_af_svampesygdomme_i_aebler |
| 12 Jul 2006 | Press release | General public | DK | | LIFE | LIFE press release in Denmark on yucca patent application |
| Jul 2006 | Meeting | Growers | D | | WBI/ECOVIN | Presentation of results at members of ECOVIN |
| 01 Aug 2006 | Meeting | Advisers/scientists | DK | 10 | UoA | Information Research |
| 13-17 Aug 2006 | Conference | Research | DK | >80 | LIFE + all apple scab partners | Oral contribution and Poster presentation at 8th Conference of the European Foundation for Plant Pathology & British Society of Plant Pathology Presidential Meeting LIFE, Copenhagen, Dk |
| 17 Aug 2006 | Exhibition / Demonstration | General public, growers, advisers | NL | 270 | PPO | Stand about PPO research results at Open Day |
| 23 Aug 2006 | Publication | General public | NL | | PPO | Article in Agricultural Newspaper "Agrarisch Dagblad" |
| 25 Aug 2006 | Publication | Growers + General public | DK | | LIFE | Økologisk Jordbrug nr. 366: "Planteudtræk virksomt mod skurv" |
| 25 Aug 2006 | Exhibition / Demonstration | Growers | DK | 50 | UoA | Field day for Danish apple and pear growers |
| 13 Sep 2006 | Field | Extension service | D | 60 | WBI | 10. Freiburger Versuchsführung |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|-------------------------|----------------------------|----------------------------|---------------------|------------------|-------------------------------|---|
| | demonstration | | | | | |
| 23-24 Sep 2006 | Exhibition / Demonstration | General public | DK | >3000 | LIFE | Presentation of the project & demonstration of laboratory screening procedures at open house arrangement, Pometet, LIFE, Taastrup |
| 25-28 Sep 2006 | Conference | Research, advisers | D | | PRI | Pflanzenschutztagung, Göttingen, Germany |
| Sep 2006 | Publication | General public | NL | | PPO | Article in Fruit growers Journal "Fruittteelt" |
| Sep 2006 | Meeting | Growers | D | | WBI | Presentation of results to growers |
| 13 Oct 2006 | Exhibition / Demonstration | General public | DK | >2000 | LIFE | Presentation of the project & demonstration of laboratory screening procedures at open house arrangement, LIFE, Frederiksberg, Dk |
| 23 Oct 2006 | Conference | Students | F | 20 | Grab | Plant protection in organic viticulture |
| | Project web-site | General public | International | | PRI/all | Regular updates of www.rep-co.nl |
| Project Period 4 | | | | | | |
| 06 Nov 2006 | Meeting | Growers | D | | ECOVIN, WBI | Ecovin, General assembly of Ecovin Baden in Grunern, D |
| 19-20 Nov 2006 | Congress | Research | DK | | LIFE | Poster presentation at COST Action 864 meeting, AGES, Vienna, Austria |
| 21 Nov 2006 | Meeting | Extension service | D | 70 | WBI | Fachtagung Weinbau des Ministeriums Ländlicher Raum und Ernährung Baden-Württemberg |
| 06 Dec 2006 | Meeting | Experts, Extension service | D | 50 | WBI | 10. Freiburger Rebschutztag |
| 08 Dec 2006 | Seminar | Research | D | 20 | PRI | Seminar BBA, Institut für Biologische Bekämpfung, Darmstadt. |
| Dec 2006 | Meeting | Extension service | D | | WBI | Presentation of results on the Annual Meeting of the extension service for viticulture in Baden-Württemberg |
| Dec 2006 | Meeting | Growers | D | | WBI | Presentation of the results o the annual |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|-------------------|---------------------|------------------|-------------------------------|---|
| | | | | | | meeting of the “Absolventen der Weinbaufachschule Freiburg” |
| Dec 2006 | Publication | Growers | D | | LIFE | Bioland 12.: “Bitterstoffe gegen Apfelschorf“ |
| During 2007 | Newsletter | Growers | NL, BE | | BioFruitAdvies | Various reports on REPCO dissemination trials in EKO Bericht (newsletter to organic fruit growers in The Netherlands and Belgium) |
| 18 Jan 2007 | Congress | Growers | I | | (Nor-Natur ApS) | Oral contribution by Bea Nielsen, Nor-Natur ApS at Bioland growers meeting in Italy |
| 19 Jan 2007 | Seminar /Congress | Research | DK | 60 | LIFE | Oral contribution at the research seminar “Approaches to alternative disease control: today and tomorrow” 19 January 2007, LIFE, Frederiksberg, Denmark |
| 19 Jan 2007 | Meeting | Scientists | DK | 50 | UoA | Information, research |
| 19-20 Jan 2007 | Meeting | Research | International | | BioFruitAdvies | International Apple Scab Working Group; presentation of REPCO results |
| 26 Jan 2007 | Meeting | Fruit growers | | 50 | BioFruitAdvies | Seminar on Organic Fruit Growing, Gleisdorf, Austria; presentation of REPCO results |
| 02-03 Feb 2007 | Conference | Advisors | International | | BioFruitAdvies | Obstbautagung, Weinsberg, Germany; presentation of REPCO results |
| 2007 | Meeting | Growers, advisers | NL | | BioFruitAdvies | Studiedag biologische fruitteelt, Driebergen, The Netherlands |
| 14-15 Feb 2007 | Meeting | Growers | I | 30 | BioFruitAdvies | Seminar on organic fruit growing, S’ Michele, Italy |
| 6 Mar 2007 | Meeting | Growers, Advisors | CH | 30 | FiBL | Information day on plant protection news and others (Presentation, Oral contribution) |
| 7 Mar 2007 | Meeting | Growers | F | 20 | Grab | Information day on plant protection in organic viticulture |
| 24-25 Mar 2007 | Exhibition / Demonstration | General public | DK | >1000 | LIFE | Presentation of the project & demonstration of laboratory screening procedures at open |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|-------------------------|---------------------|------------------|-------------------------------|---|
| | | | | | | house arrangement in the green houses, LIFE , Frederiksberg, Denmark |
| 27 Mar 2007 | Conference | Research / growers | F | 200 | Grab | Annual meeting of Rhône valley producers |
| Mar 2007 | Publication | Growers + research | Nordic countries | | LIFE | Forskningsnytt om økologisk landbrug I Norden nr. 1: ”Samarbejde mellem universitet og industri fremmer udviklingen af alternative produkter til bekæmpelse af plantesygdomme i økologiske dyrkningssystemer” |
| 05 Apr 2007 | Meeting | Research / growers | F | 50 | Grab | Annual meeting of Grab |
| 16 Apr 2007 | Meeting | Growers | F | 10 | Grab | Information day on plant protection in organic viticulture |
| May 2007 | Patent filing | | | | PPO/ LIFE / UoA | Filing updated patent application covering yucca |
| May 2007 | Patents filing | | | | LIFE | Filing updated two patent applications covering materials from utility model applications |
| 10 Jun 2007 | Workshop | Growers | F/E/(I) | 22 | FiBL | Workshop/seminar on organic viticulture |
| 25 Jun 2007 | Field day | Growers | DK, PL | 40 | UoA | Field day for fruit growers |
| 26 Jun 2007 | Meeting | Growers | CH | 28 | FiBL | Course on organic viticulture: Demonstration of screening activities indoor and outdoor |
| 02-06 Jul 2007 | Conference | Research | International | 100 | ETHZ | Oster presentation The Downy Mildews 2 nd International Symposium Olomouc (CZ) |
| 10 Jul 2007 | Meeting/Visitors | Growers | F | 9 | FiBL | Visit at FiBL: Fédération des producteurs de fruits du Haut-Rhin. Demonstration of REPCO-activities for copper replacement |
| 06 Aug 2007 | Field day | Growers | DK | 30 | UoA | Field day for fruit growers |
| 09 Aug 2007 | Exhibition / Demonstration | General public/ Growers | I | >100 | IASMA | Open day for vine growers at IASMA, Italy, 9 August 2007 |
| 19 Aug 2007 | Exhibition / Demonstration | General public/ Growers | CH | aprox. 2000 | FiBL | Day of open door at FiBL |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|----------------------|----------------------------|--|---------------------|--|-------------------------------|--|
| | | | | (200 interested in copper replacement) | | |
| 21 Aug 2007 | Meeting | Advisers/scientists/growers | Czech republic | 50 | UoA | Information Research |
| 07-08 Sep 2007 | Meeting | Growers | F | >1000 | Grab | National meeting on organic farming |
| 12 Sep 2007 | Press | General public | F, D | | Grab | Recording a report on ARTE Channel about European programs research in organic viticulture |
| 14 Sep 2007 | Publication | Interested public | DK | | LIFE | Utility model applications published by the Danish Patent and Trademark Office in "Dansk Brugsmodeltidende" (DK 2006 00153 U3, DK 2006 00154 U3, DK 2006 00155 U3, DK 2006 00156 U3, DK 2006 00157 U3) |
| 26-28 Sep 2007 | Exhibition / Demonstration | Secondary school pupils & general public | DK | >200 | LIFE | Presentation of the project & demonstration of laboratory screening procedures at the annual "Life science village" |
| 12 Oct 2007 | Exhibition / Demonstration | General public | DK | >2000 | LIFE | Presentation of the project & demonstration of laboratory screening procedures at open house arrangement, LIFE, Frederiksberg, Denmark |
| 25-27 Oct 2007 | Conference | Research | International | 100 | ETHZ | Oral and poster presentation at IOBC/WPRS Working Group on "Integrated Control in Viticulture" Marsala (Sicily) |
| 25-27 Oct 2007 | Conference | Research | International | 100 | IASMA | Presentation at IOBC/WPRS Working Group on "Integrated Control in Viticulture" Marsala (Sicily) |
| Nov 2006 – Oct | Exhibition, | Growers, General | CH and | 2-40 | FiBL | Several groups of visitors at FiBL: |

| Planned/actual Dates | Type | Type of audience | Countries addressed | Size of audience | Partner responsible /involved | Reference |
|-----------------------------|---|-------------------------------------|----------------------------|-------------------------|--------------------------------------|---|
| 2007 | Demonstration | Public, Researcher | International | | | Presentation and demonstration of activities within REPCO |
| Planned activities | | | | | | |
| 06 Nov 2007 | Meeting | Vine growers | A | 12 | FiBL | Information day with Austrian Demeter vine growers |
| 08 Nov 2007 | Conference | Students | F | 20 | Grab | Plant protection in organic viticulture |
| 28-29 Nov 2007 | Meeting | Growers, Researcher | F | 400 | Grab | EUROVITI Meeting |
| 04 Dec 2007 | Conference | General public/ Growers | I | Exp. 200 | IASMA | Technical workshop in viticulture for growers, 4 December 2007 |
| 2007 | Publication | Organic community | DK | | LIFE | Publication of screening and research results in FØJOenyt. |
| 2007 | Publication | Fruit growers | DK | | LIFE | Publication of screening and research results in Frugt & Grønt |
| Feb – Mar 2008 | Meeting | Growers | F | 10 | Grab | Information day on plant protection in organic viticulture |
| 05 Mar 2008 | Meeting | Growers | CH | 60 | FiBL | Information day on plant protection news for farmers |
| Nov 2007 – Oct 2008 | Exhibition, Demonstration | Growers, General Public, Researcher | CH and International | 2-40 | FiBL | Several groups of visitors at FiBL: Presentation and demonstration of activities within REPCO |
| 2008 | Press release | General public | NL | | PRI | General achievements of REPCO |
| after 2007 | Approximately 13 publications in scientific journals are planned by REPCO partners (details see below) | | | | | |
| after 2007 | Approximately 6 contributions at scientific conferences are planned by REPCO partners (details see below) | | | | | |

Publications produced wholly or in part through support by REPCO

- Bengtsson, M., H.J.L. Jørgensen, A. Pham, E. Wulff & J. Hockenhull (2006). Screening of organically based fungicides for apple scab (*Venturia inaequalis*) control and a histopathological study of the mode of action of a resistance inducer. IOBC/wprs Bulletin Vol. 29 (1): 123-128.
- Bengtsson, M., H.J.L. Jørgensen, E. Wulff, E. & J. Hockenhull (2006). Prospecting for organic fungicides and resistance inducers to control scab (*Venturia inaequalis*) in organic apple production. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 318-319. <http://orgprints.org/7395/>
- Dagostin S., A. Ferrari & I. Pertot (2006). Integration of different control measures to maximise disease control of *Plasmopara viticola* in Italian organic viticulture. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 338-339. <http://orgprints.org/7508/>
- Eiben, U. & P. Lüth (2006). Development of novel fungal biocontrol agents. Proceeding from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 344-346. <http://orgprints.org/7717/>
- Heijne, B., A. de Jager & P.F. de Jong (2006). Promotion of leaf degradation by earthworms under laboratory conditions. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 328-329. <http://orgprints.org/7499/>
- Heijne, B., P.F. de Jong & J. Köhl (2006). EU-Projekt REPCO entwickelt neue Möglichkeiten zur Biologischen Bekämpfung von Apfelschorf. Öko-Obstbau 4/2006:11-13.
- Heijne, B., P.F. de Jong, J. Köhl, A.G.C.L. Speksnijder, J. Hockenhull, M. Bengtsson, H. Lindhard Pedersen, K. Paaske, U. Eiben, L Tamm & M. Trapman (2006). Prevention and control of apple scab. Proceeding from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 200-201. <http://orgprints.org/7781/>
- Heijne, B., P.F. de Jong, H. Lindhard Pedersen, K. Paaske, M. Bengtsson & J. Hockenhull (2007). Field efficacy of new compounds to replace copper for scab control in organic apple production. Proceedings of the 3rd QLIF Congress, Hohenheim, Germany, March 20-23, 2007, pp 249-253. <http://orgprints.org/9449/>
- Hockenhull, J. (2006). Nye midler bremser skurv i æbler. Okologisk Jordbrug nr 374 side 6.
- Jager, de A. & B. Heijne (2004). The role of earthworms in strategies against scab (*Venturia inaequalis*) in apple orchards - Literature Study. Applied Plant Research – Research Unit Fruit, Report No 2004-40
- Jong, de P.F. & B. Heijne (2006). Enhancement of degradation of fallen apple leaves. Proceeding from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 340-341. <http://orgprints.org/7691/>
- Jong, de P.F. & B. Heijne (2006). REPCO contribution to the development of products for apple scab control. Proceeding from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 342-343. <http://orgprints.org/7690/>
- Köhl, J., B.H. de Haas & W.M.L. Molhoek (2006). Selection of antagonists suppressing conidia production of *Venturia inaequalis*. Proceeding from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 354-355. <http://orgprints.org/7493/>
- Köhl, J., B. Heijne, J. Hockenhull, H. Lindhard Pedersen, M. Trapman, U. Eiben & L. Tamm (2006). Contributions of EU-project REPCO to apple scab control. Proceedings 12th International conference on cultivation technique and phytopathological problems in organic fruit-growing. Weinsberg, Germany, 31st January – 2nd February 2006, pp 73-76. <http://orgprints.org/8820/>
- Lindhard Pedersen, H., K. Paaske, M. Bengtsson & J. Hockenhull (2006). Field testing of potential new compounds for apple scab control in organic apple production. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 358-359. <http://orgprints.org/8039/>

- Matasci, C.L., D. Gobbin, H.J. Schärer, L. Tamm & C. Gessler (2007). Selection for fungicide resistance throughout a growing season in populations of *Plasmopara viticola*. European Journal of Plant Pathology. In press.
- Matasci, C.L., D. Gobbin, Ch. Stutz & C. Gessler (2006). Analysis of selection pressure exerted on *Plasmopara viticola* by organically based fungicides. Proceeding from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 320-321. <http://orgprints.org/8212/>
- Nielsen, B., J. Hockenhull & M.V. Bengtsson (2006). Bitterstoffe gegen Apfelschorf. Bioland 12: 13
- Schaerer, H.J., T. Amsler, B. Thürig & L. Tamm (2006). Efficacy testing of novel organic fungicides and elicitors: from the lab to the field. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 364-365. <http://orgprints.org/8235/>
- Schweikert, C., M. Mildner, C. Vollrath & H.-H. Kassemeyer (2006). Systems for testing the efficacy of biofungicides and resistance inducers against grapevine downy mildew. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 350-351. <http://orgprints.org/7492/>
- Speksnijder, A.G.C.L., C.H. Lombaers-van der Plas, & J. Köhl (2006). Screening of micro-organisms for *Venturia inaequalis* control by means of DGGE. Proceedings from European Joint Organic Congress, 30-31 May, Odense, Denmark, pp 322-323. <http://orgprints.org/7431/>
- Speksnijder, A., C.H. Lombaers-van der Plas & J. Köhl (2006). Selektion antagonistischer Mikroorganismen zur biologischen Bekämpfung von *Venturia inaequalis* durch Analyse von DGGE-Fingerprints mikrobieller Gemeinschaften. Mitteilungen der Biologischen Bundesanstalt für Land- und Forstwirtschaft 400: 318.

Conference contributions - Oral presentations

- Bengtsson, M.V., H.J.L. Jørgensen, E. Wulff & J. Hockenhull (2006). Prospecting for organic fungicides and resistance inducers to control scab (*Venturia inaequalis*) in organic apple production. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Bengtsson, M., E. Wulff, H.J.L. Jørgensen, M. Lübeck & J. Hockenhull (2006). Botanical fungicides and resistance inducers for control of fungal diseases in apple with focus on scab caused by *Venturia inaequalis*. COST Action 864: Pome Fruit Health Research in Europe - Current Status 2006. Combined meeting of Work Groups 1-4, 20-21 November 2006, AGES, Vienna, Austria.
- Dagostin, S., A. Ferrari, C. Gessler & I. Pertot (2006). Efficacia di nuove alternative al rame in viticoltura biologica nei confronti di *Plasmopara viticola* Giornate fitopatologiche, 27-29 Mar 2006, Rimini, Italy.
- Dagostin, S., A. Ferrari & I. Pertot (2005). Efficacy evaluation of biocontrol agents against downy mildew for copper replacement in organic grapevine production in Europe. IOBC/WPRS Working Group "Integrated Protection and Production in Viticulture", 20-21 October 2005, Boario Terme, Italy.
- Dagostin, S., A. Ferrari, A. Vecchione, L. Zulini & I. Pertot (2006). Potential role of resistance inducers in grapevine downy mildew disease control. 12th Mediterranean Phytopathological Congress, 11-15 Jun 2006, Rhodes Island, Greece.
- Dagostin, S., T. Formolo & I. Pertot (2007). Replacement of copper fungicide: Efficacy evaluation of new organic fungicides against downy. IOBC/WPRS Working Group on "Integrated Control in Viticulture", 25-27 Oct 2007, Marsala, Sicily, Italy.
- Dagostin, S. A. Vecchione, L. Zulini, A. Ferrari & I. Pertot (2006). Efficacy evaluation of the resistance inducer Benzothiadiazole against grapevine downy mildew. 5th International Workshop on Grapevine Downy and Powdery Mildew, 18-23 June 2006, San Michele all'Adige, Italy.

- Heijne, B. (2005). REPCO strategy to improve scab control in organic orchards. 7th International IOBC/WPRS Workshop on Orchard Diseases, Piacenza, Italy, 31 August – 3 September.
- Heijne, B., A. de Jager & P.F. de Jong (2006). Promotion of leaf degradation by earthworms under laboratory conditions. European Joint Organic Congress, 30 & 31 May 2006, Odense, Denmark.
- Heijne, B., P.F. de Jong, J. Köhl, A.G.C.L. Speksnijder, J. Hockenhull, M. Bengtsson, H. Lindhard Pedersen, K. Paaske, U. Eiben, L Tamm & M. Trapman (2006). Prevention and control of apple scab. European Joint Organic Congress, 30 & 31 May 2006, Odense, Denmark.
- Heijne, B., P.F. de Jong, H. Lindhard Pedersen, K. Paaske, M. Bengtsson & J. Hockenhull (2007). Field efficacy of new compounds to replace copper for scab control in organic apple production. 3rd QLIF Congress, Hohenheim, Germany, March 20-23, 2007.
- Hockenhull, J., M.V. Bengtsson, P.F. de Jong, J. Köhl, A.G.C.L. Speksnijder, H. L. Pedersen, K. Paaske, U. Eiben, L. Tamm, M. Trapman & B. Heijne (2006). Options for managing scab in organic apple production after copper fungicides are no longer available - some REPCO approaches. 8th Conference of the European Foundation for Plant Pathology & British Society of Plant Pathology Presidential Meeting KVL, 13-17 August 2006, Copenhagen, Denmark.
- Köhl, J. (2005). Do endophytic micro-organisms in apple leaves affect ascospore production of *Venturia inaequalis*? 1st International Conference on Plant-Microbe Interactions – Endophytes and Biocontrol Agents, 18-22 April 2005, Saariselkä, Finland.
- Köhl, J. (2005). Biocontrol of foliar diseases in horticulture. International workshop on Implementation of biocontrol in practice in temperate regions – present and near future. Flakkebjerg, Denmark. 1-3 November 2005.
- Köhl, J. (2006). Biologische Bekämpfung von Blatt- und Fruchtpathogenen. Tagung des Arbeitskreises „Biologische Bekämpfung von Pflanzenkrankheiten“, Geisenheim, 29-30 March.
- Köhl, J. (2006). Neue Wege in der biologischen Bekämpfung von Apfelschorf. Seminar BBA, Institut für Biologische Bekämpfung, 8 December, Darmstadt.
- Köhl, J., B. Heijne, J. Hockenhull, H. Lindhard Pedersen, M. Trapman, U. Eiben & L. Tamm (2006). Contributions of EU-project REPCO to apple scab control. 12th International conference on cultivation technique and phytopathological problems in organic fruit-growing. Weinsberg, Germany, 31st January – 2nd February 2006.
- Köhl, J., A. Speksnijder, W.. Molhoek, C. Lombaers-van der Plas, L. de Haas & P. Kastelein (2005). Exploitation of microbial interactions to control scab in organic apple production. 7th International IOBC/WPRS Workshop on Orchard Diseases, Piacenza, Italy, 31 August – 3 September.
- Matasci, C. L., M. Jermini, D. Gobbin, N. Rosselli & C. Gessler (2005). Downy mildew susceptibility of grapevine cultivars in a mixed crop trial. Integrated Protection and Production in Viticulture, IOBC, 20-21 September 2005, Darfo Boario Terme – Erbusco (I)
- Matasci, C.L., D. Gobbin, Ch. Stutz & C. Gessler (2006). Analysis of selection pressure exerted on *Plasmopara viticola* by organically based fungicides. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark
- Matasci, C.L., M. Jermini, D. Gobbin, N. Rosselli & C. Gessler (2006). Influence of cultivar mixtures on grapevine Downy Mildew epidemic. 5th International Workshop on Grapevine Downy and Powdery Mildew, 18-23 August 2006, San Michele all'Adige, Italy.
- Matasci, C.L., D. Gobbin, M. Jermini, M. Gusberti, N. Rosselli & C. Gessler (2007). Spatial patterns of *Plasmopara viticola* populations at single plant scale. Biological and Integrated Control in a Modern Viticulture, 25-27 September 2007, Marsala (I).
- Schweikert, C. & H.H. Kassemeyer (2006). Systems for testing the efficacy of biofungicides and resistance inducers against grapevine downy mildew. 5th International Workshop on Grapevine Downy and Powdery Mildew, 18-23 August 2006, San Michele all'Adige, Italy.

Speksnijder, A.G.C.L., C.H. Lombaers-van der Plas, & J. Köhl (2006). Screening of micro-organisms for *Venturia inaequalis* control by means of DGGE. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.

Conference contributions - Poster presentations

- Bengtsson, M., B. Heijne, P.F. de Jong, H.J.L. Jørgensen, K. Paaske, H.L. Pedersen, M. Trapman, E. Wulff & J. Hockenhull (2006). Prospecting for new fungicides to control apple scab (*Venturia inaequalis*) in organic fruit growing. COST Action 864: Pome Fruit Health Research in Europe - Current Status 2006, 20-21 November 2006, AGES, Vienna, Austria.
- Bengtsson, M., B. Heijne, P.F. de Jong, H.J.L. Jørgensen, K. Paaske, H.L. Pedersen, M. Trapman, E. Wulff & J. Hockenhull (2006). Prospecting for new fungicides to control apple scab (*Venturia inaequalis*) in organic fruit growing. 8th Conference of the European Foundation for Plant Pathology & British Society of Plant Pathology Presidential Meeting KVL, 13-17 August 2006, Copenhagen, Denmark.
- Bengtsson, M., H.J.L. Jørgensen, A. Pham, E. Wulff & J. Hockenhull (2006). Screening of organically based fungicides for apple scab (*Venturia inaequalis*) control and a histopathological study of the mode of action of a resistance inducer. 7th International IOBC/wprs Workshop on Orchard Diseases, 31 August – 4 September 2005, Piacenza, Italy. S. Giosué (ed.). IOBC /wprs Bulletin Vol. 29 (1): 123-127.
- Chovelon, M. (2005). Efficacy of salicylic acid against *Plasmopara viticola*. IOBC/WPRS Working Group “Integrated Protection and Production in Viticulture”, 20-21 October 2005, Boario Terme, Italy.
- Dagostin S., A. Ferrari & I. Pertot (2006). Integration of different control measures to maximise disease control of *Plasmopara viticola* in Italian organic viticulture. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Eiben, U. & P. Lüth (2006). Development of novel fungal biocontrol agents. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Jong, de P.F. & B. Heijne (2006). REPCO contribution to the development of products for apple scab control. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Jong, de P.F. & B. Heijne (2006). Enhancement of degradation of fallen apple leaves. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Köhl, J., B.H. de Haas & W.M.L. Molhoek (2006). Selection of antagonists suppressing conidia production of *Venturia inaequalis*. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Köhl, J., H.-H. Kassemeyer, L. Tamm, C. Gessler, I. Pertot, C. Bertrand, B. Heijne, J. Hockenhull, H. Lindhard, P. Köpfer, M. Trapman & S. Brückner (2004). Replacement of copper fungicides in organic production of grapevine and apple in Europe (REPCO). Int. Workshop on Development of Biocontrol Agents of Diseases for Commercial Applications in Food Production Systems. 24-27 March, Seville, Spain.
- Köhl, J., H.-H. Kassemeyer, L. Tamm, C. Gessler, I. Pertot, C. Bertrand, B. Heijne, J. Hockenhull, H. Lindhard, P. Köpfer, M. Trapman & S. Brückner (2004). Replacement of copper fungicides in organic production of grapevine and apple in Europe (REPCO). 8th IOBC/WPRS Biocontrol Workshop, 9-13 June, S. Michele all' Adige, Trentino, Italy.
- Lindhard Pedersen, H., K. Paaske, M. Bengtsson & J. Hockenhull (2006). Field testing of potential new compounds for apple scab control in organic apple production. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark
- Matasci, C.L., D. Gobbin, M. Jermini, M. Gusberty, N. Rosselli & C. Gessler (2007). Effect of grapevine cultivar mixtures onto downy mildew disease severity – a two years survey. The Downy Mildews 2nd International Symposium, 02-06 July 2007, Olomouc (CZ).

- Matasci, C.L., M. Jermini, D. Gobbin, M. Gusberti, N. Rosselli & C. Gessler (2007). *Plasmopara viticola* disease severity in a mixed cultivar trial. Biological and Integrated Control in a Modern Viticulture, 25-27 September 2007, Marsala (I).
- Pedersen, H.L., L.P. Christensen, M. Bengtsson, K. Paaske & J. Hockenhull (2006). Organic field-testing of compounds to control apple scab (*Venturia inaequalis*) in combination with alleyway cover crops. 7th International IOBC/wprs Workshop on Orchard Diseases, 31 August – 4 September 2005, Piacenza, Italy. S. Giosué (ed.). IOBC/wprs Bulletin Vol. 29(1): 207-211.
- Schaerer, H.J., T. Amsler, B. Thürig & L. Tamm (2006). Efficacy testing of novel organic fungicides and elicitors: from the lab to the field. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark
- Schweikert, C., M. Mildner, C. Vollrath & H.-H. Kassemeyer (2006). Systems for testing the efficacy of biofungicides and resistance inducers against grapevine downy mildew. European Joint Organic Congress, 30-31 May 2006, Odense, Denmark.
- Speksnijder, A., C.H. Lombaers-van der Plas & J. Köhl (2005). Screening for antagonistic microorganisms for *Venturia inaequalis* control by means of DGGE. International workshop on Implementation of biocontrol in practice in temperate regions – present and near future. Flakkebjerg, Denmark. 1-3 November 2005.
- Speksnijder, A., C.H. Lombaers-van der Plas & J. Köhl (2006). Screening for antagonistic microorganisms for *Venturia inaequalis* control by means of DGGE community analysis. Congress of the International Academy for Microbial Ecology (ISME-11), 20–25 Augustus 2006, Vienna.
- Speksnijder, A., C.H. Lombaers-van der Plas & J. Köhl (2006). Selektion antagonistischer Mikroorganismen zur biologischen Bekämpfung von *Venturia inaequalis* durch Analyse von DGGE-Fingerprints mikrobieller Gemeinschaften. 55. Deutsche Pflanzenschutztagung, 25–28 September 2006, Göttingen, Germany.

Scientific publications in preparation

- Bengtsson, M., J. Hockenhull, A. Pham, E. Wulff & H.J.L. Jørgensen. Inhibition of *Venturia inaequalis* in apple leaves following pre-treatment with a yucca extract and acibenzolar-S-methyl (ASM).
- Bengtsson, M., E. Wulff & J. Hockenhull. Prospecting for potential new botanical fungicides for control of apple scab (*Venturia inaequalis*) in organic fruit growing.
- Köhl *et al.* Selection and field testing of antagonists suppressing conidia production of the apple scab pathogen *Venturia inaequalis*.
- Köhl *et al.* Role of microbial apple leaf communities in ascospore production of the apple scab pathogen *Venturia inaequalis* under orchard conditions.
- Köhl *et al.* Selection and field testing of antagonists suppressing ascospore production of the apple scab pathogen *Venturia inaequalis* under orchard conditions.
- Matasci, C. L., D. Gobbin, H.-J. Schärer, Ch. Stutz & C. Gessler (2008). Detecting selection for resistance in *Plasmopara viticola* populations treated with organically based fungicides
- Matasci, C. L. *et al.* (2008). Effect of grapevine cultivar mixtures onto downy mildew – Epidemiology (Provisional title).
- Matasci, C. L. *et al.* (2008). Provisional title: Effect of grapevine cultivar mixtures onto downy mildew – Population genetics. (Provisional title).
- Matasci, C. L. *et al.* (2008). Spatial patterns of *Plasmopara viticola* populations at single vine scale. (Provisional title).
- Matasci, C. L. *et al.* (2008). Minimize risks of forced evolution of *Plasmopara viticola* in response to novel control measures and resistant cultivars in grapevine. (PhD thesis; Provisional title).
- Pertot, I., S. Dagostin & T. Formolo. Efficacy of formulated tea tree oil against downy mildew.

- Schweikert, C., H. J. Schärer, H. H. Kassemeyer & L. Tamm. Mode of action and efficacy of organically based fungicides against *Plasmopara viticola*.
- Tamm, L., S. D'Agostin, H.J. Schaerer & I. Pertot (2008). Screening and testing of products for copper replacement in European viticulture.
- Joint publication LIFE & UoA. Screening potential new botanical fungicides for control of apple scab (*Venturia inaequalis*) in organic fruit orchards.

Conference contributions after project period

- Chovelon, M. (2008). Integration of different control measures to maximise disease control of *Plasmopara viticola* in organic grapevine French field trial in Repco project. 16th IFOAM Organic World Congress: Cultivate the Future, June 16-20, 2008, Modena Italy.
- Heijne, B., P.F. de Jong, M. Trapman, H. Lindhard Pedersen, K. Paaske, M. Bengtsson, J. Hockenhull, J. Köhl & U. Eiben (2008). EU-project replacement of copper fungicides in organic production of apple (REPCO): Strategy against apple scab and results. Organic Fruit Conference, 16-17 June 2008, Vignola, Italy.
- Köhl, J. (2008). Screening of biocontrol agents for control of foliar diseases. 9th International Congress of Plant Pathology, 24-29 August 2008, Turiono, Italy.
- Köhl, J., W.M.L. Molhoek, B.H. Groenenboom-de Haas & H.M. Goossen-van de Geijn (2008). Development of novel biocontrol agents for apple scab control in organic farming. Organic Fruit Conference, 16-17 June 2008, Vignola, Italy.
- Köhl, J., W.M.L. Molhoek, B.H. Groenenboom-de Haas, H.M. Goossen-van de Geijn (2008). New approaches in biological control of apple scab. Ecofruit-Conference, 18-20 February 2008, Weinsberg, Germany.
- Tamm, L., T. Amsler, B. Thürig & H.-J. Schärer (2008). Efficacy testing of novel organic fungicides and elicitors for control of *Plasmopara viticola* in grapevine: from the lab to the field. 9th International Congress of Plant Pathology, 24-29 August 2008, Torino, Italy.
- Tamm, L., T. Amsler, B. Thürig & H.-J. Schärer (2008). Efficacy testing of novel organic fungicides and elicitors for control of *Plasmopara viticola* in grapevine: from the lab to the field. 16th IFOAM Organic World Congress: Cultivate the Future, June 16-20, 2008, Modena Italy.

Section 3 - Publishable results

This section provides a publishable summary of **each exploitable result** the project has generated, and should therefore be included **only when** the consortium is ready to publicise and have taken the appropriate measures to protect their IPR¹.

During the course of REPCO 4 patents and 5 utility model applications have been submitted. Four REPCO partners and companies or institutes outside REPCO were involved. Furthermore, 2 partners consider a possible patent application of 2 different patents after the project period. Although taken the appropriate measures to protect IPR, patents have not been fully published at the date of project reporting so that details cannot be presented as publishable results at this stage. Partners as IPR owners of the different findings will use CORDIS marketplace <http://www.cordis.lu/marketplace/about.htm#summ> after patent information has fully been publicised for promotion of the use of their exploitable knowledge.

¹ Please beware that only information which is readily available in the public domain should be included as this might affect the owner's right to seek protection (eg patent) the results.