

PURE Web site Guide



This guide allows you to find all the information about the PURE project into the website.

The **homepage** is divided into three main parts that are the principal information into the different parts of the website for targeting stakeholders that will visit it:

- left: countries and partners, events
- right: cropping systems
- centre: the latest information: news.

The choice of the three main accesses is the fact that a stakeholder is either interested in what happens in one country or what happens to a Cropping System in which he is involved.

The web visitors have access to recent information as well.

Comeback to the Homepage

Three main accesses:
- by country
- By cropping system
- news

Countries / Partners

List of events

Events

Feb 2013
PURE 1st congress in Italy

05/17/2011

Cropping systems

PURE at the The 4th International Conference on Non Chemical Crop Protection Methods

The 4th International Conference on Non-Chemical Crop Protection Methods was held in Lille on March 8th, 9th & 10th 2011 with the presence of Patrizia Fitton, from the DG SANCO (Unit E3 - Plant Protection Products, European Commission)...

PURE Web site Guide

The **countries / partners** section gives access to:

- a list of **partner organizations**, collaborators and stakeholders involved (including contact details and web site-links);
- Flags of partner **countries**.

Partners

Access to the partner description by clicking on the line

Number of the partner

Countries

Access to the country description by clicking on the flag

Research
Extension
Industry
Management

- 1 - Institut National de la Recherche Agronomique (INRA)
- 2 - Rothamsted Research (RRES)
- 3 - Aarhus University (AU)
- 4 - Julius Kühn-Institut (JKI)
- 5 - Stichting DLO (DLO)
- 6 - Wageningen University (WU)
- 7 - Consiglio Nazionale delle Ricerche (CNR)

Denmark

France

Germany

Hungary

Italy

Netherlands

In this section, you can click on a partner or a flag to get access to more information.

-partner: logo, website address, description, project contact

Institut National de la Recherche Agronomique (INRA)

<http://www.inra.fr/>

INRA has an internationally recognised experience in many disciplines related to agronomy, crop protection (including the use of plant protection products), pest biology. It has recently placed increased emphasis on multidisciplinary research linking biology of crop-pest systems to agronomy and social sciences. As an example, INRA has been coordinating the ENDURE NoE since 2007, pushing forward a systems approach to crop protection issues. At INRA, geneticists, specialists of plant health and mathematicians work together on the durability of resistances, including the spatial management of resistant genes. The study of physiological and molecular plant-pest interactions with the prospect of exploiting plant defence processes mobilise a large network of INRA labs.

Contact

Francoise LESCCURRET
 Domaine Saint Paul - Site Agroparc
 84914 Avignon cedex 9 FRANCE
francoise.lescourret@avignon.inra.fr

-country: list of partners, stakeholders; on-station and on-farm experimental sites, events and news, map of the experimental sites.

France

Partners

Stakeholders

On-station Experimental Sites

On-farm Experimental Sites

Events / News

PURE Web site Guide

The **cropping systems (CS)** section gives access to:

- General information about cropping systems by clicking on the word;
- CS (wheat, maize, field vegetables, pomefruit, grapevine, protected crops) information by clicking on the crop picture.

Access to one CS description by clicking on the picture

General information about CS in the PURE project

Cropping Systems

PURE will provide integrated pest management (IPM) solutions and a practical toolbox for their implementation in key European farming systems (annual arable and vegetable, perennial, and protected crops) in which reduction of pesticide use and better control of pests will have major effects. These 6 farming systems represent 66% of the total crop production area and 87% of the pesticide consumption in Europe. Table of Targeted farming systems in PURE with information on regions, surfaces, pesticides quantity and reason to select for the project.

| System | Category | Region covered | Surfaces in million ha * | Kg of pesticides / ha * | Reason for the selection of the system |
|------------------------------|----------|-----------------------------|--------------------------|-------------------------|---|
| Winter wheat-based rotations | Arable | Northern and Eastern Europe | Cereals = 46.8 | Cereals = 1.4 | Largest surface area in Europe |
| | | | Oleaginous crops = 7.5 | Oleaginous crops = 1.2 | Rotation as a strategic lever Availability of disease resistance varieties |

In each CS information section, you can get access to:

- A description of the activities around the crop of interest;
- The list of stakeholders involved for all countries;
- A list of the experimental sites for “on-station” and “on-farm”,
- Events and news.


Grape vine

- Stakeholders
- On-station experimental sites
- On-farm experimental sites
- Events - News


Grape vine

Activity leader:
Ilaria PERTOT (FEM): ilaria.pertot@asma.it

Background:
Grapevine is the number one user of pesticides in terms of tons of active ingredients consumed; it alone accounts for 38% of the total volume. IPM methods developed by PURE have the potential to drastically reduce pesticide use in terms of number of applications, frequency index and environmental impact. Our estimated impact is based on data collected in Northern Italy. Our worst case data show that farmers treat 22 times (with TFI=43) per season against powdery and downy mildews, grey mould, dead arm, berry moth, Scaphoideus titanus, mites, and thrips. Our best case data yield 18 applications (TFI=29). To these baseline data, we need to add 2 to 3 herbicide applications on the rows. PURE's IPM solutions to control berry moth and S. titanus with pheromone and vibrational mating disruption in combination with microbial control agents, adapted agronomic practices and mechanical weed control will reduce the number of applications down to 6 (TFI=8), reducing emissions by a factor of 3. A recent French study also calculates that IPM solutions could reduce TFI from above 20 to below 10. Finding alternatives to copper against downy mildew will stop copper accumulation in the soil and will benefit soil micro and macro-fauna and flora.

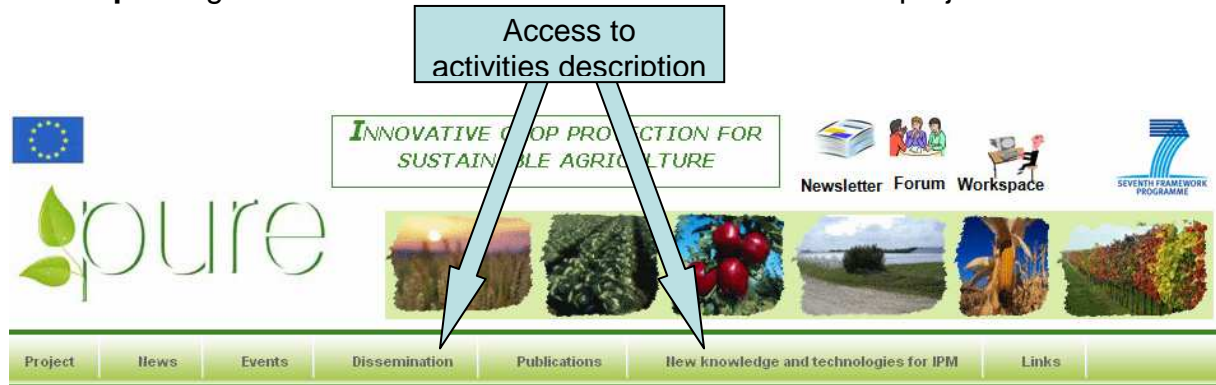


Experimental sites:



PURE Web site Guide

The **Top line** gives access to all other main information on the project:



- **Project:** general information - aims, brochure, leaflet on the website, composition of the external advisory board

Project

The overall objective of PURE is to provide practical IPM solutions to reduce dependence on pesticides in selected major farming systems in Europe, thereby contributing to a reduction of the risks to human health and the environment and facilitating the implementation of the pesticides package legislation while ensuring continued food production of sufficient quality.

Acknowledgement:
The PURE project is supported by the European Commission through the Seventh Framework Programme grant number 246660.

PURE will provide integrated pest management (IPM) solutions and a practical toolbox for their implementation in key European farming systems (arous, arable and vegetable, orchards, and protected crops) in which reduction of pesticide use and better control of pests will have major effects.

For each of six selected farming systems, PURE will combine existing methods with new tools and technologies into novel IPM solutions addressing the biological, agronomical and economical diversity in Europe. The process relies on a generic methodological package and on six activities dedicated to the six farming systems. If a risk assessment-adaptation cycle will be accepted to ensure continuous validation and improvement of the IPM solutions.

(see details in "Cropping Systems")

- **News / Events archives:** arranged by date and topic (theme or cropping system)

News Archives

Year: Themes: Cropping systems:

Events

Cropping systems: Themes: Year:

- **Publications:** Deliverables, e-learning, booklets and scientific and technical publications.

| | Publication | |
|---|--|---|
| | Theme | Title |
| Deliverables | Dissemination | Deliverables list |
| e-Learning | Dissemination | ENDURE A network for Integrated Pest Management / PURE A Project for pesticides use and risk reduction in European farming systems (Poster, 2011) |
| Booklets | Dissemination | ENDURE Information Centre |
| Scientific and technical publications | New knowledge and technologies for IPM, Dissemination, Co-innovation | ENDURE IPM Training Guide |

Project | **Contacts** | Publications | News Archives | Links | Countries-Partners | Events | Cropping Systems

PURE Web site Guide

- Dissemination: Into the **dissemination** activity section, you can get access to:
 - Publications: only on the dissemination activity like posters, deliverables, brochure...
 - Virtual visits on experimental sites;
 - Events and News for all WPs and Countries.

- Research activities: New knowledge and technologies;
New knowledge and technologies for IPM



In each of the six **research** activity section, the visitor gets information on:

- Description of the objectives and approach;
- Publications produced;
- Events and News.


Into the **co-innovation** activity section, you also have access to the Pilots.

- Links: to other projects with information on connections with PURE project and access to the website.

Links

Interactions with relevant national, European and international projects

The PURE project will take stock of lessons learned from the outcomes of other relevant international, European and national initiatives and projects, mainly the ENDURE Network.



<http://www.endure-network.eu/>

European Network for the Durable Exploitation of crop protection strategies

ENDURE European Research Group (ERG) is an organisational structure that will ensure the durability of the network built by the ENDURE EU-project. It will continue to enrich its portfolio of tools and resources and will make them available to PURE. Conversely, new research tools developed and results obtained by PURE will be proposed to ENDURE ERG to contribute to its enrichment.

PURE will take advantage of the dissemination channels of ENDURE (ENDURE Information Centre and ENDURE Network of Advisors) to disseminate its results.

The results of PURE will suggest new research priorities that will feed the research agenda of ENDURE ERG.

PURE will benefit from the research results and tools built by the ENDURE EU-project (2007-2010) and will build new results upon them as described in the table below.

Table – Interactions between PURE and ENDURE

| Type of outcome | ENDURE EU-Project outcomes | How PURE will use these results |
|------------------|---|--|
| Research results | Current situations (Current, Advanced and Innovative) identified in different farming systems by the ENDURE Case Studies (CS) and System Case Studies (SCS): Wheat CS and Winter Crops Based Cropping Systems, Maize CS and Maize Based Cropping Systems, Field Vegetables CS, Pomefruit CS and Orchard SCS, Grapevine CS, and Tomato CS. | Use of these identified situations across Europe as an initial basis for the design of innovative IPM solutions by Cropping Systems activities |

PURE Web site Guide

The **Bottom line** gives access to all other information on the project:



Last updated : 08/11/2011

- Contacts: name and address of coordinator, manager, dissemination leader and webmaster.
- Disclaimer;
- Login: access for webmasters only.

And direct access to, without come back to home page:

- Countries / partners section;
- Cropping systems
- IPM assessment and methodology

You can also find the date of the last website update.

Finally, on the **top screen**, you can get access

- To the home page by clicking on the PURE logo;
- To the newsletter and forum (not available at this moment);
- To the workspace (only for project partners).

