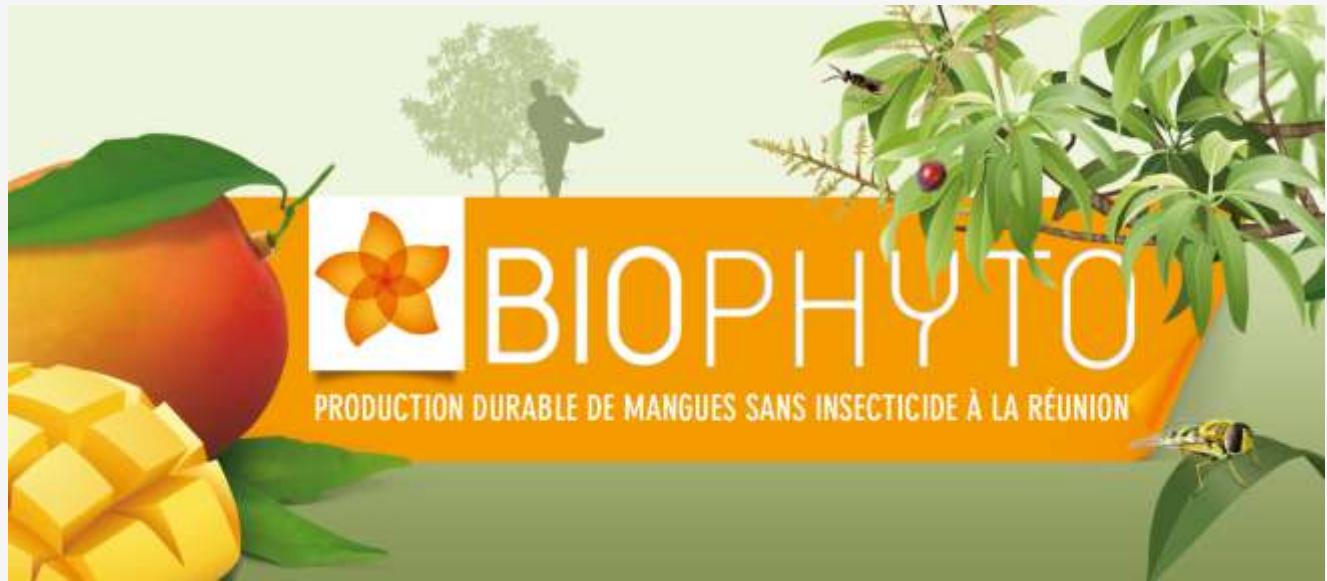


# Point sur les recherches en protection des cultures à l'échelle européenne.

Aubertot JN, Lescourret F, Messéan A  
INRA



# Introduction



# Contexte

## Législation française Ecophyto

50% d'usage des  
pesticides d'ici 2018, si  
possible

Entre scepticisme et  
volontarisme

## Législation européenne « Paquet pesticide »

Homologation

Gamme réduite de matières  
actives

Usage

Toute l'agriculture en PIC  
depuis début 2014

**→ Un véritable défi**

## Définition PIC (128/2009)

Prise en considération attentive de **toutes les méthodes de protection des plantes disponibles** ;

Intégration des mesures appropriées qui **limitent le développement des populations d'organismes nuisibles** ;

**Maintien du recours aux produits phytopharmaceutiques et à d'autres types d'interventions à des niveaux justifiés des points de vue économique et environnemental,**

Réduction ou limitation au maximum **des risques pour la santé humaine et l'environnement**

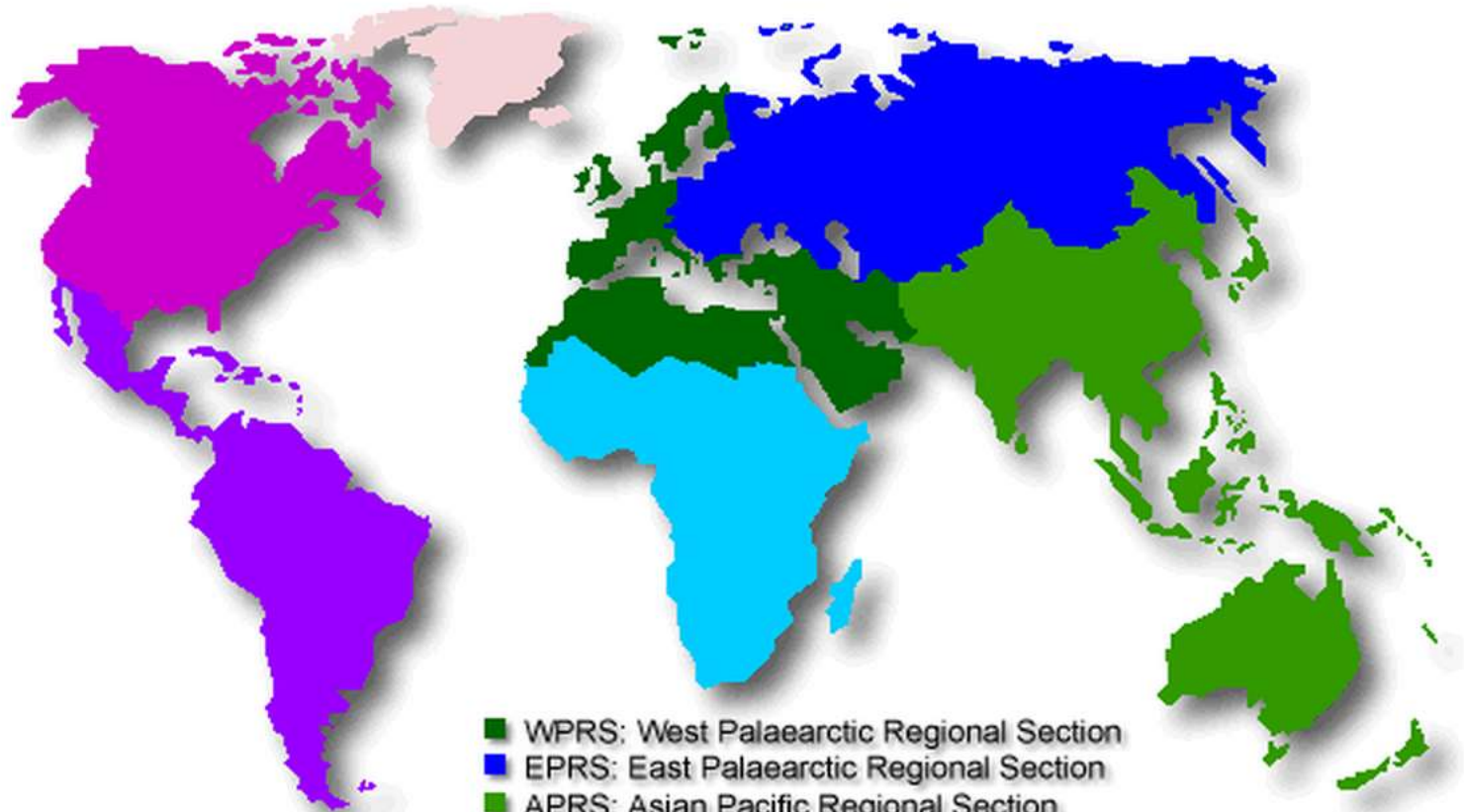
Privilégier la croissance de cultures saines en veillant à **perturber le moins possible les agro-écosystèmes** et encourage les **mécanismes naturels** de lutte contre les ennemis des cultures

# Différentes structures fédératrices



International Organisation for Biological and Integrated Control (IOBC)  
*West Palaeartic Regional Section (WPRS)*

Organisation Internationale de Lutte Biologique et Intégrée (OILB)  
*Section Régionale Ouest Paléarctique (SROP)*



- WPRS: West Palaeartic Regional Section
- EPRS: East Palaeartic Regional Section
- APRS: Asian Pacific Regional Section
- ATRS: African Tropical Regional Section
- NRS: Nearctic Regional Section
- NTRS: Neo Tropical Regional Section

- OILB
- ERG ENDURE



**Providing information, tools and services to scientists, policy and farm advisers, and trainers concerned with IPM**

# Who we are

2007

4 years of EC financial  
Support



2010



ENDURE ERG: self  
funded Network  
(14 founding  
members)

## Research

- INRA - FR
- DLO - NL
- JKI - DE
- RRes - UK
- CNR - IT
- Agros. ACW - CH
- IHAR - PL
- CIRAD - FR

## Extension

- VFL - DK
- ACTA - FR

## Universities

- AU - DK
- SSSA - IT
- SZIE - HU
- UdL - ES





# Support to farm advisers

## ▶ ENDURE INFORMATION CENTRE



English | German | French | Spanish | Dutch | Danish | Polish | Italian

Search

**2,000 entries from across Europe**

**All have an English summary**

**Ready-to-use information on IPM**

European Network of Advisers

**200 registered advisers**

**A newsletters, workshops and online forum**

Training guides

## Networked cropping system experiments

**Connect and build on existing experiments (towards a European IPM network)**

## Maintain and update platforms

<http://www.eurowheat.org>

[quantipest.endure-network.eu](http://quantipest.endure-network.eu)

<http://www.euroblight.net>

## ENDURE Summer Schools

2007 - Biodiversity for crop protection

2009 - Modelling approaches to support IPM

2010 - New and emerging pests, diseases and weeds

2012 - Agroecological engineering for crop protection

2014 - Modelling for Sustainable Management of Crop Health

Short course on modelling for SMACH  
(Volterra, Italy 2014)



- OILB
- ERG ENDURE
- Projet PURE

<http://www.pure-ipm.eu/>

Coordination : Françoise Lescourret (INRA Avignon)

**Pesticide Use-and-risk Reduction in European farming systems with Integrated Pest Management (FP7, 2011-2015)**

The screenshot displays the PURE website interface. At the top, a banner reads "INNOVATIVE CROP PROTECTION FOR SUSTAINABLE AGRICULTURE". Below this are icons for "Newsletter" and "Workspace", and the "SEVENTH FRAMEWORK PROGRAMME" logo. The main header features the "pure" logo and a row of six agricultural images. A navigation menu includes "Project", "News", "Events", "Publications", "Dissemination and Virtual visits", "New knowledge and technologies for IPM", and "Links". The main content area is divided into three columns: "Countries / Partners" with a map of Europe, "Publications" dated 10/15/2012 featuring a tomato image and logos for INRA, INRA Avignon, and INRA Montpellier, and "Cropping systems" with three small images of agricultural fields.

# PURE partnership

## Research

- 1 - INRA
- 2 - RRES
- 3 - AU
- 4 - JKI
- 5 - Stichting DLO
- 6 - WUR
- 7 - CNR
- 8 - KIS
- 9 - SCRI
- 10 - FEM
- 11 - IVIA
- 12 - IOR
- 13 - UDCAS
- 14 - JRC-IPTS

## Extension

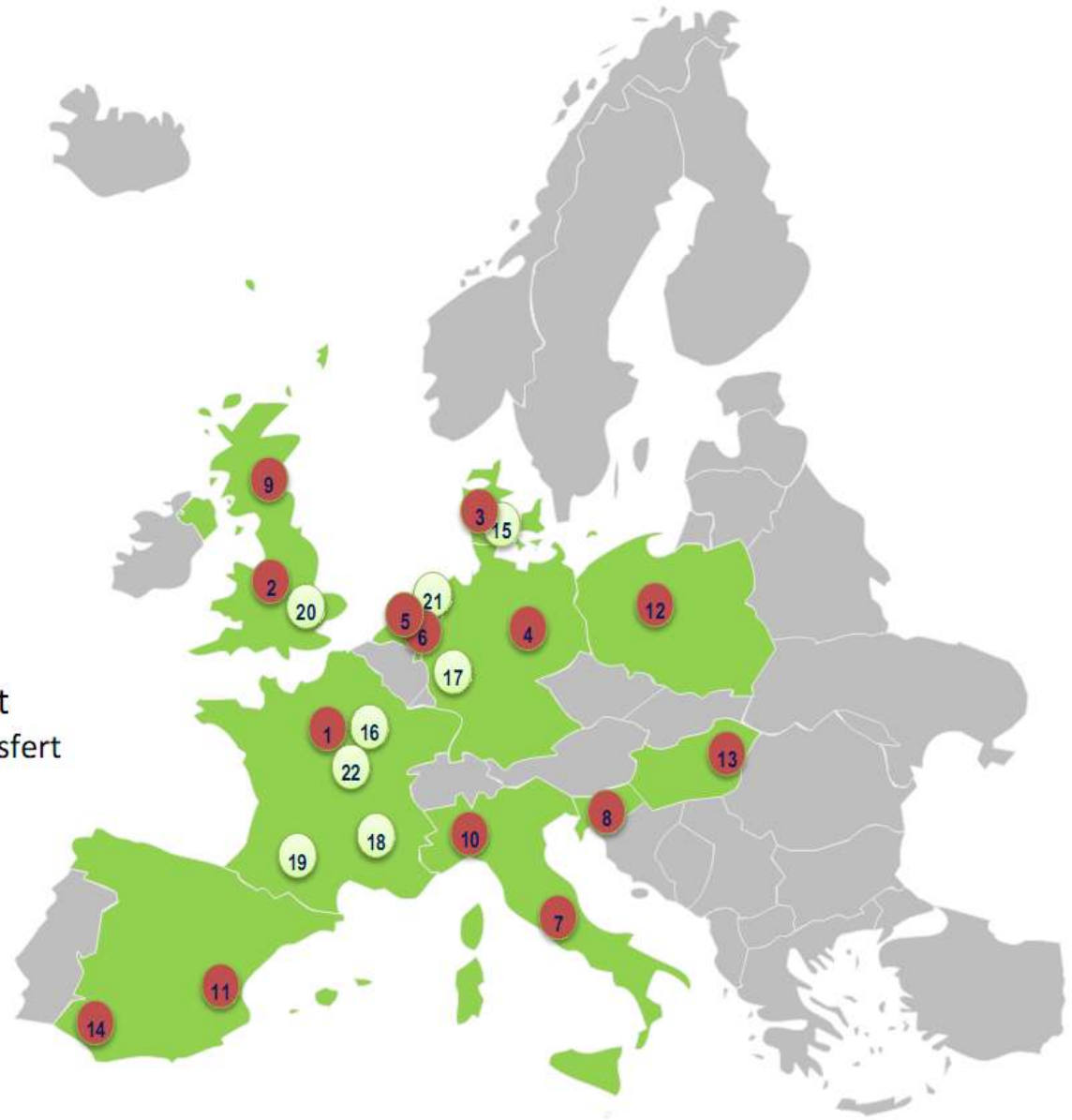
- 15 - DAAS
- 16 - ACTA

## Industry

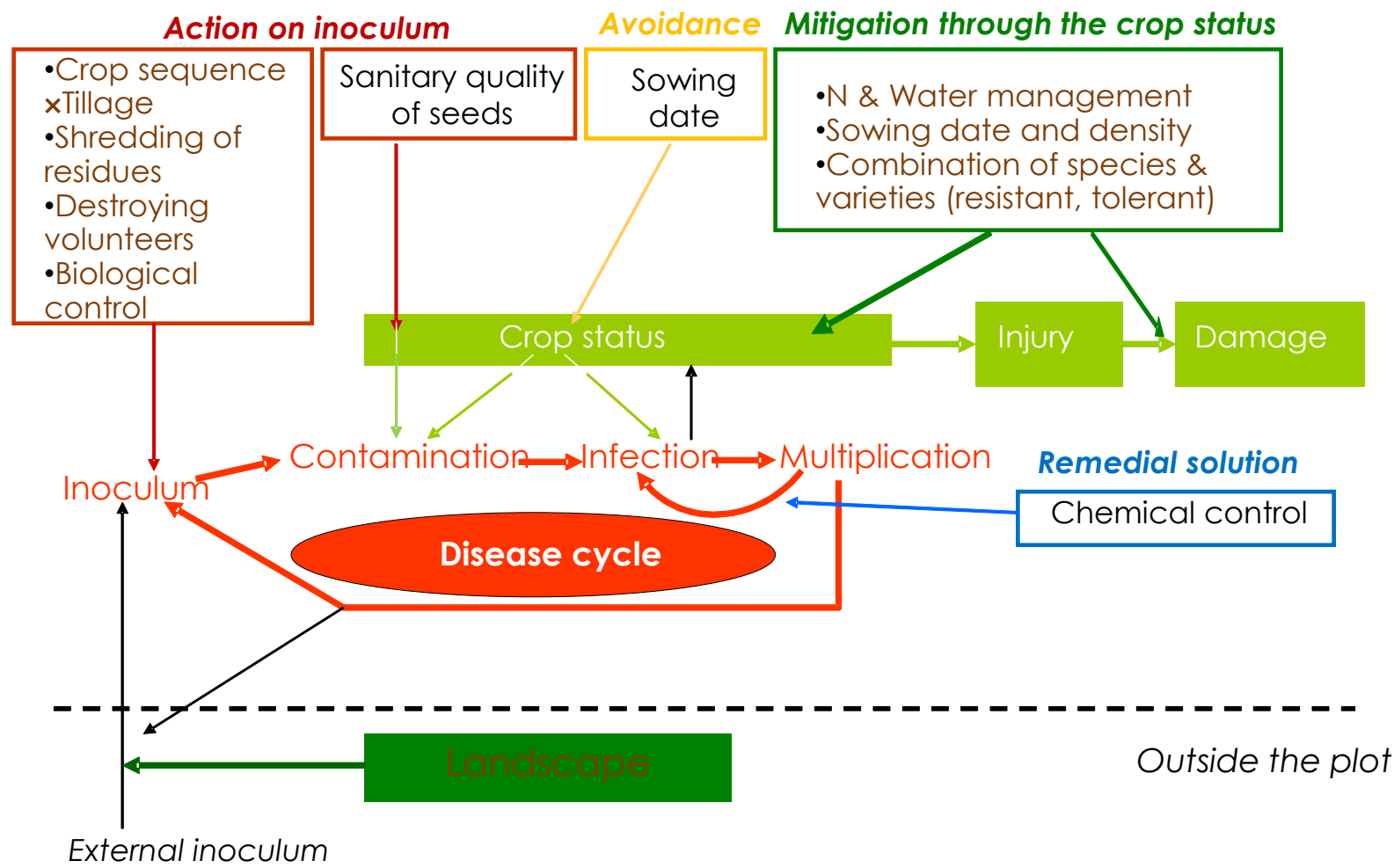
- 17 - BCS
- 18 - Biotop
- 19 - NPP
- 20 - Burkard
- 21 - Blgg

## Management

- 22 - INRA Transfert

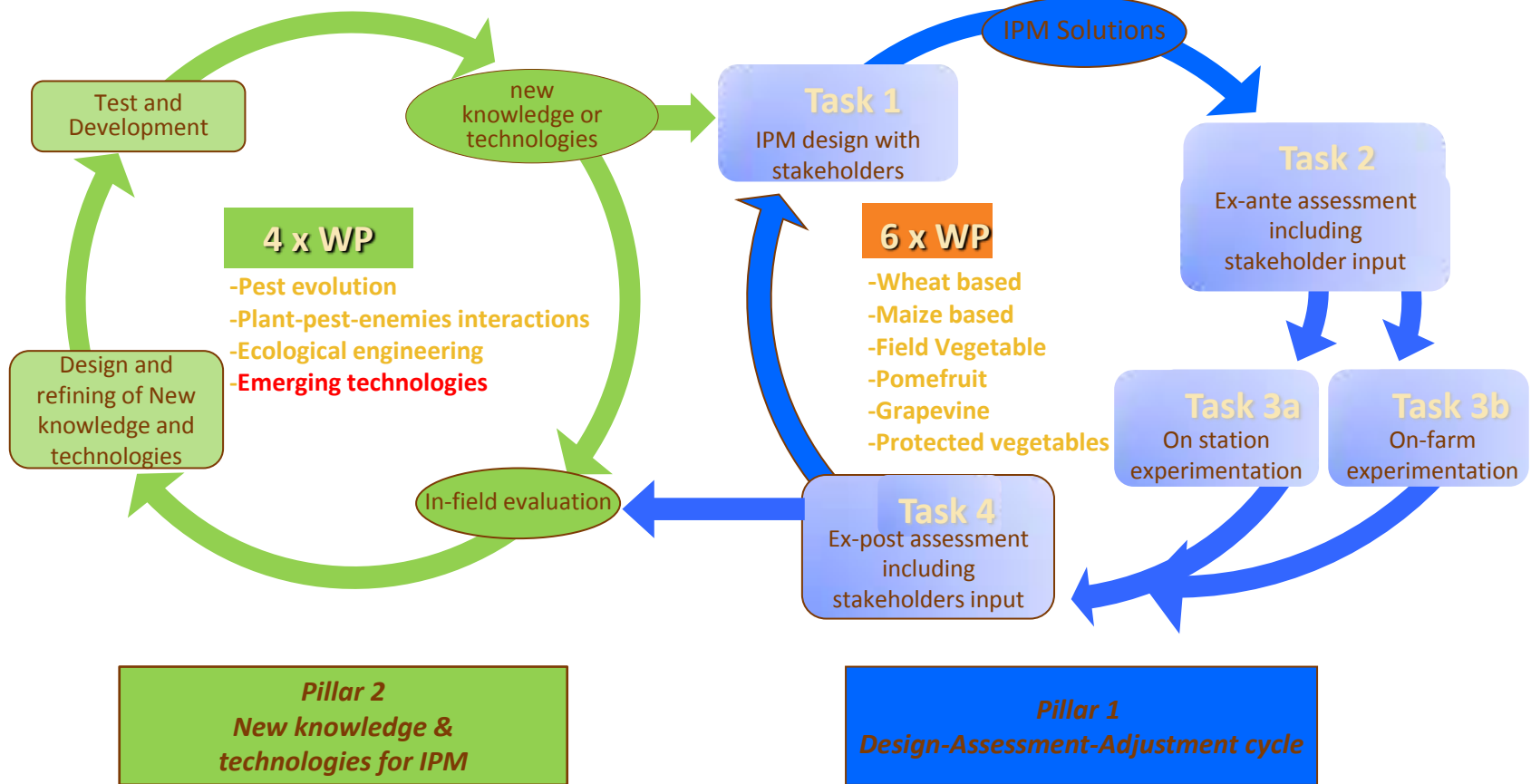


# Impact of cropping practices on diseases



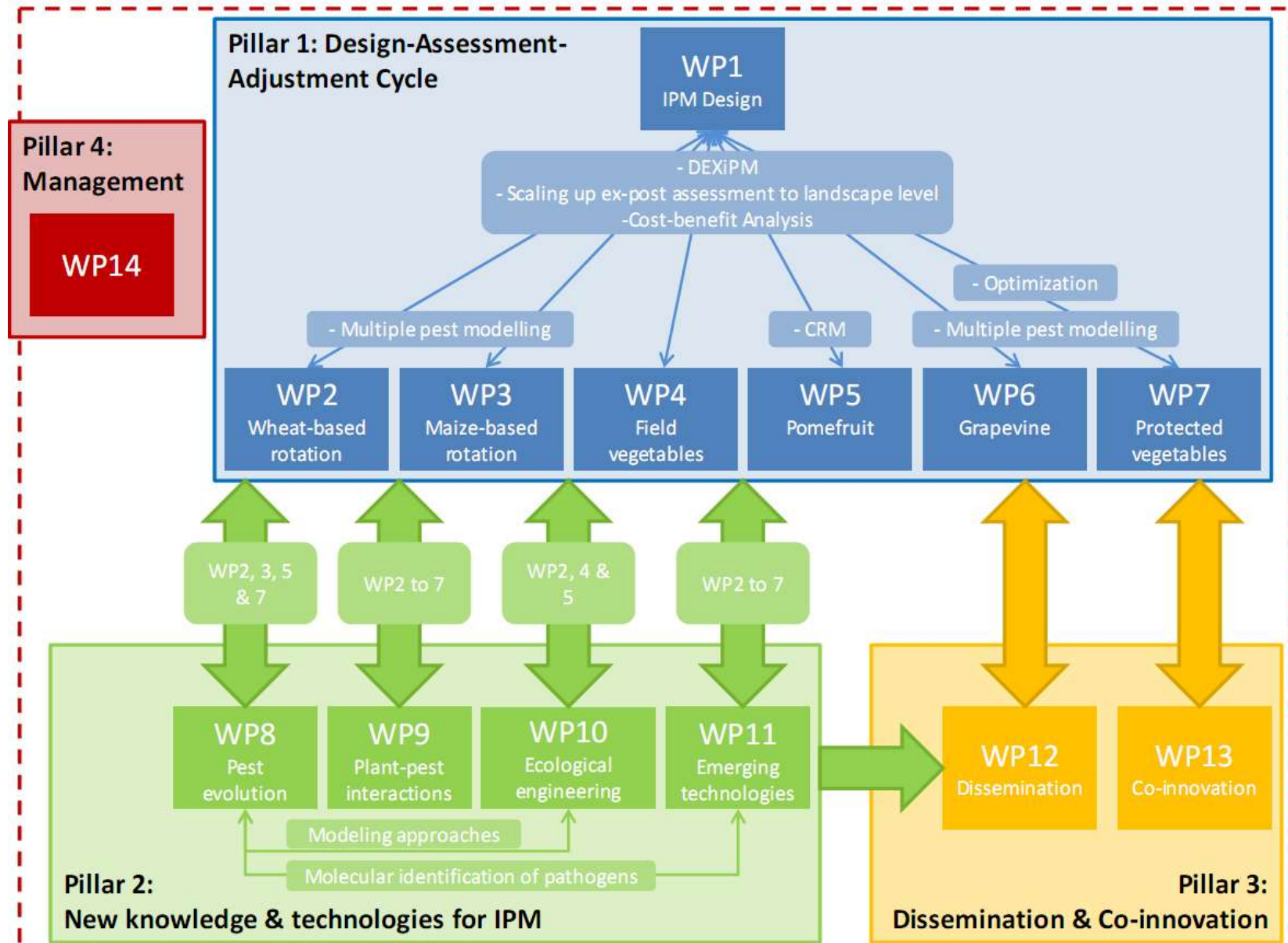
Attoumani-Ronceux A et al 2012  
Stephy Guidebook

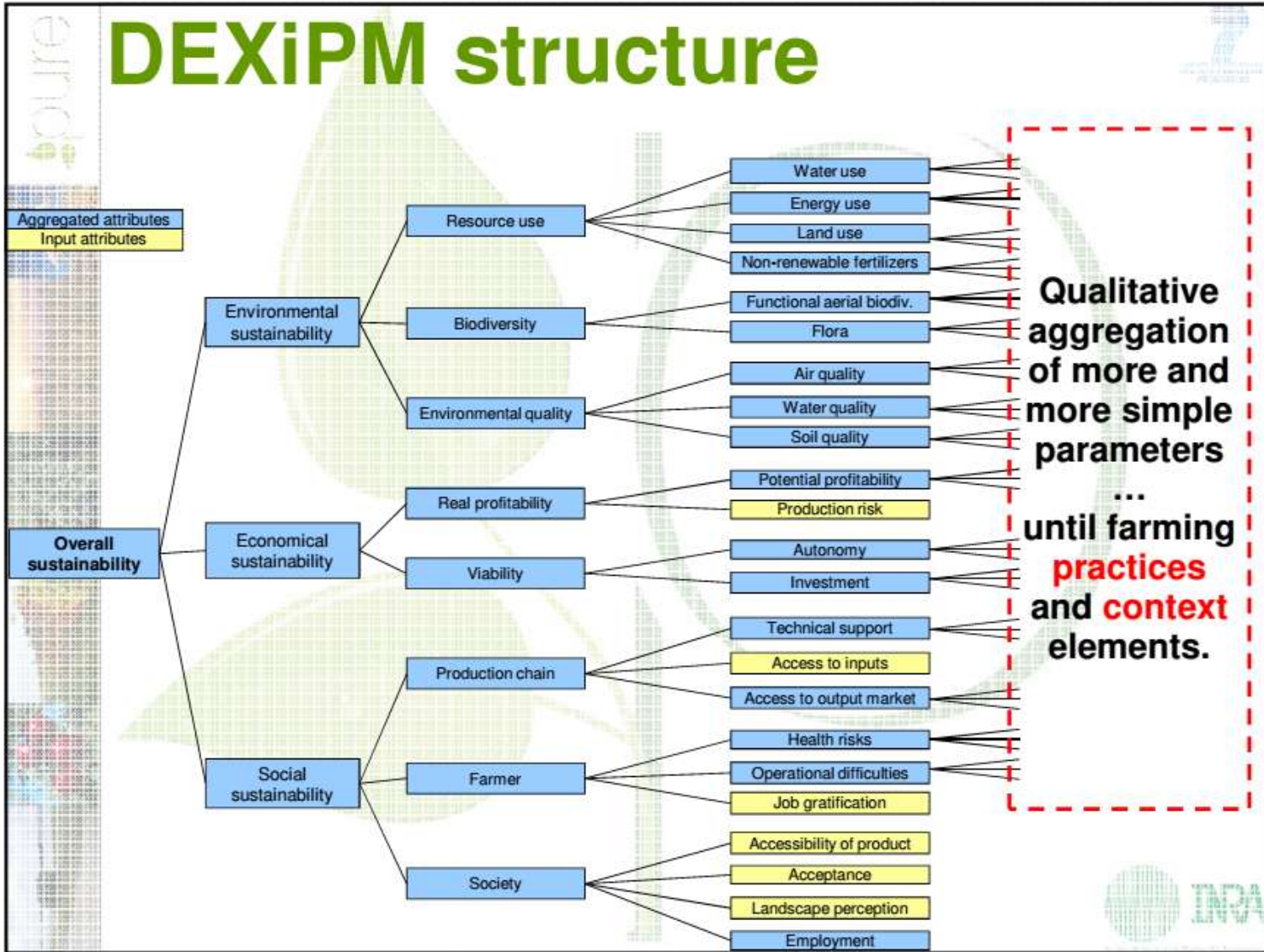
# Linking integrative and analytical research





# PURE STRUCTURE

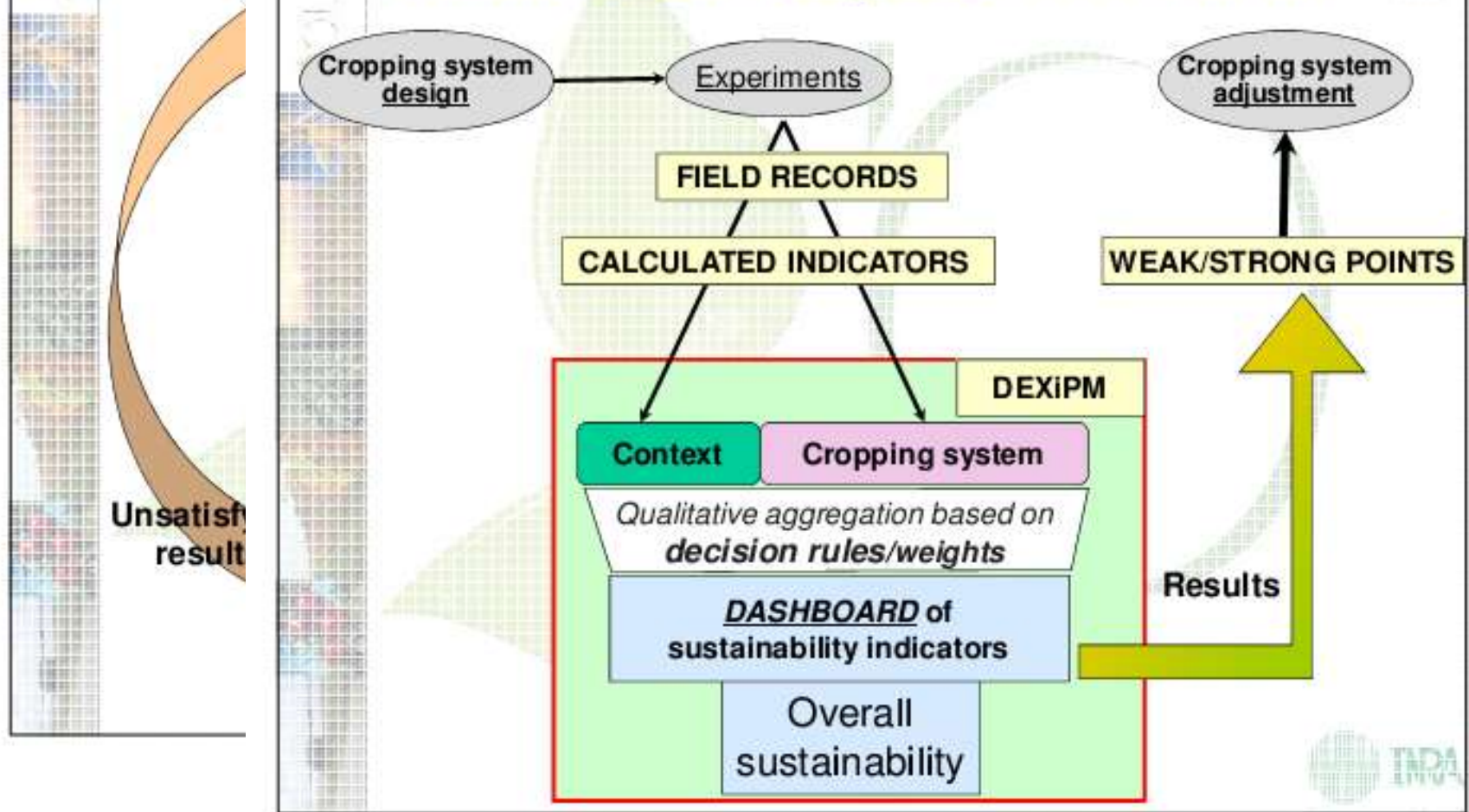




Fortino et al 2012 (PURE website)

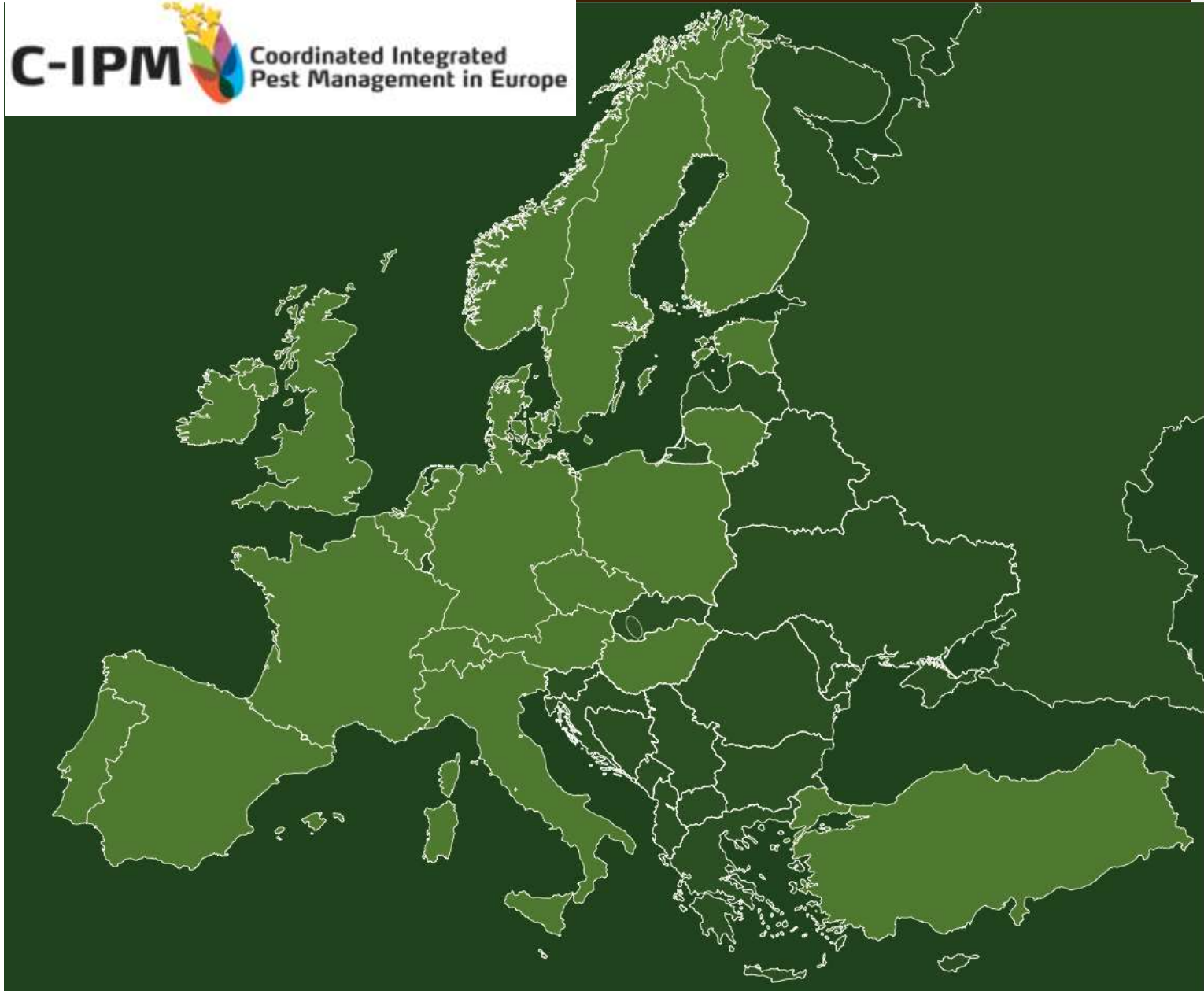
## DEXiPM and *ex ante* assessment

## DEXiPM and *ex post* assessment



- OILB
- ERG ENDURE
- Projet PURE
- ERA-NET C-IPM

# ERA-NET C-IPM





## C-IPM work packages

The project consists of seven work packages (WP) with the following objectives:

WP1 Develop a strategic research agenda on IPM in Europe

WP2 Map and analyse ongoing IPM-related activities in Europe in order to propose a common IPM research agenda based on future needs

WP3 Identify and analyse minor uses problems in Europe and assess possible alternative IPM solutions

WP4 Identify existing IPM-related infrastructures and capacities and pool them for current and future needs

WP5 Prepare, implement and follow-up joint transnational calls on IPM priority issues in order to develop consolidated mechanisms for the continuation of IPM-related future programmes

WP6 Communicate and interact with relevant stakeholders on issues related to C-IPM and disseminate project outcomes to stakeholders as well as the public-at-large

WP7 Ensure the effective management and operation of C-IPM related activities

<http://c-ipm.org>

Coordination : Antoine Messéan (INRA Versailles-Grignon)

# Welcome to Poznan!

IPM Innovation in Europe, PURE project conference  
Poznan, January 14-16<sup>th</sup> 2015  
<http://www.ior.poznan.pl>

