

Prospects of cross border collaboration on existing national IPM infrastructures

WP4

Joint infrastructure and capacity building opportunities

C-IPM Final conference
2016 Brussels

Questionnaire sent to the partner countries in 2014

Questions on infrastructures related to IPM :

- **dedicated programmes or single projects for extension and advisory services and/or training programmes**
- **demonstration or reference farms**
- **long-term field experiments**
- **national monitoring or forecasting networks on disease and/or pests**
- **databases and platforms**
- **required initiatives for further implementation of IPM**



SEVENTH FRAMEWORK PROGRAMME
KBBE.2013.1.4-02: Integrated Pest Management (IPM) - ERANET
Coordination and Support Action

Available internally in the C-IPM network

C-IPM
Coordinated Integrated Pest Management in Europe
Grant agreement no.: 618110

**Deliverable D4.2: First report on joint infrastructure
and capacity building opportunities**

Due date of Deliverable: June 2015 (M18)
Completion date: July 2015
Actual submission date: August 2015

Lead beneficiary:
DAFA

Nature of deliverable: Report
Dissemination level: PP



AARHUS
UNIVERSITY

METTE SØNDERSKOV

New section added to the report:

Joint infrastructure and capacity building opportunities

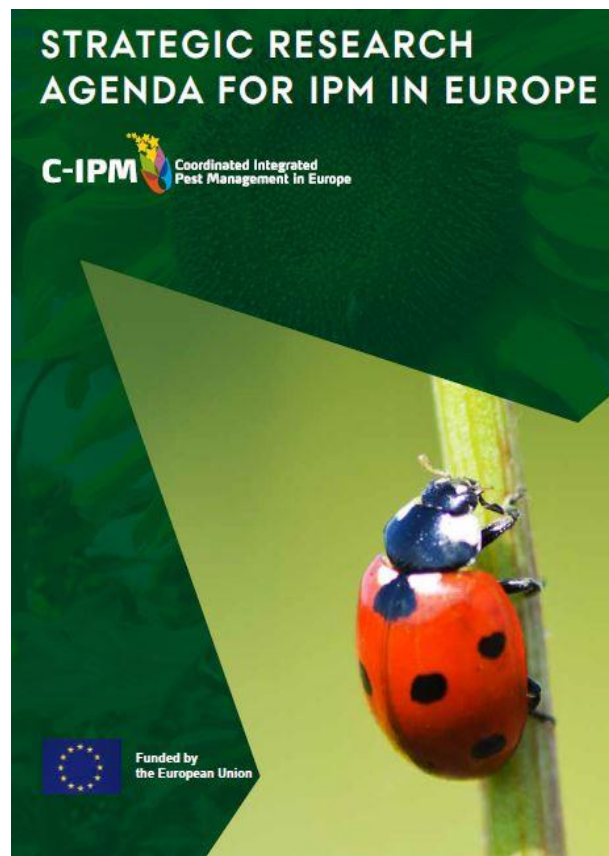
On IPM implementation

”

Weaknesses

- Lack of collaboration between funders of IPM research, limited transfer of research knowledge into practice and lack of communication and collaboration in IPM throughout the MS are current problems in Europe that hinder IPM adoption;
- Short term and project-based funding dominates and does not support the long-term development of IPM farming systems;
- The socio-economics of IPM implementation is yet poorly addressed.

”



Areas identified for cross-border co-operation based on activities in C-IPM:



Demonstration farms

Researcher



Advisor

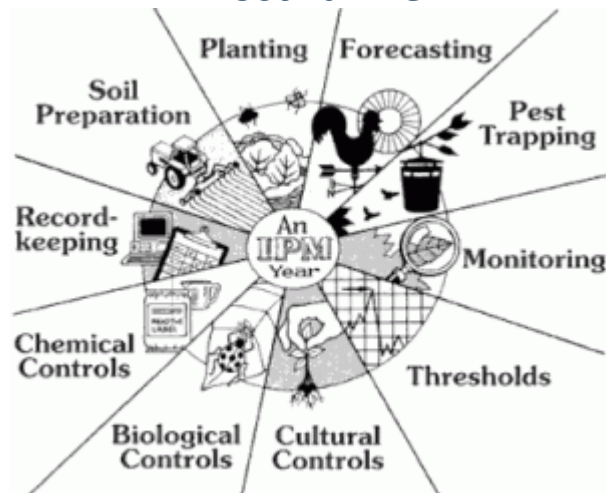


The rest of the farming community

Farm-network



Host-farmer



Demonstration farms –how can knowledge sharing help?

In the planning/development phase of demo-farm projects

- how to select the host-farmers
- how to make the framework around the demonstration farm network
- how to support the host-farmers with advice
- how and when to use economic subsidies

Demonstration farms –how can knowledge sharing help?

When the demo-farm projects are up and running

- how to motivate other farmers to follow the host-farmers
- how to disseminate information from demonstration farms
- how to collect research relevant data

So far no initiative to start a cross-border network
on demonstration farms

Monitoring, forecasting and decision support systems

Researcher



Advisor



Farmer



Monitoring, forecasting and decision support systems

- costly
- time consuming
- high demand of knowledge/data
- high demand for updating

Benefits of knowledge sharing among countries:

Save time and resources on development

Gain on data foundation based on a broader geographical basis

Example page – Basic attributes of the DSS



Name DSS

Name:

Country of origin:

Countries in use

Choose country:

Country name

Switzerland

DSS

DSS type: ☒ Monitoring
☐ Scouting
☐ Modelling
☐ Other

DSS:

DSS

Crop

Crop type:

Choose crop:

crop name

cherry

grape

raspberry

Pest

Type of Pest: ☒ Pest
☐ Disease
☐ Weeds
☐ Other

Choose pest:

Pest name

Drosophila suzuki

Drosophila melanogaster

Survey x c-ipm.org x +

km-varcw.kleinmachnow.bba.intern:8044/suv/ Suchen

C-IPM Coordinated Integrated Pest Management in Europe

Pest Monitoring Systems for IPM in Europe

[Basic attributes](#) [Contact](#) [Features](#) [Modelling approaches](#) [Communication of results](#) [Impact](#) [Spatial data issues](#) [Cross-border use](#)

[Feedback to research](#) [Unification](#) [Distribution and updating](#) [Opportunities and potentials for integration](#)

Name DSS

Name:

Country of origin:

Countries in use

Choose country:

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Switzerland

DSS

DSS type: ☒ Monitoring
☐ Scouting
☐ Modelling
☐ Other

DSS:

DSS

Crop

Crop type:

Choose crop:

crop name

cherry

grape

raspberry

From Burkhard Golla

Long term field experiments

On-farm experiments

Dependent on economic output, limited innovation

May be difficult to maintain

Close to practice, increase dissemination to farming community

Not historic experiments

Highly innovative

Opportunities for high risk strategies, e.g. high tolerance thresholds

Crop rotations including crops without a local market opportunity

Historic experiments

Preadapted management practice, limited innovation

Long term consequences , e.g. for nutrients and soil characteristics



Long term field experiments

–how can knowledge sharing help?

Planning of cropping system strategies

Data sampling

Analyses

Contribution to common databases

Pros and cons of experimental setup

Long term field experiments

IPM-EASE established in 2013: Network for existing experiments

G Model
EURAGR-25588; No. of Pages 14

ARTICLE IN PRESS

Europ. J. Agronomy xxx (2016) xxx–xxx



Contents lists available at ScienceDirect

European Journal of Agronomy

journal homepage: www.elsevier.com/locate/eja



Diversity of methodologies to experiment Integrated Pest Management in arable cropping systems: Analysis and reflections based on a European network

Martin Lechenet^{a,*}, Violaine Deytieux^b, Daniele Antichi^c, Jean-Noël Aubertot^d, Paolo Bàrberi^e, Michel Bertrand^f, Vincent Cellier^b, Raphaël Charles^g, Caroline Colnenne-David^f, Silke Dachbrodt-Saaydeh^h, Philippe Debaeke^d, Thierry Doré^f, Pascal Farcy^b, César Fernandez-Quintanillaⁱ, Gilles Grandeau^f, Cathy Hawes^j, Lionel Jouy^k, Eric Justes^d, Roman Kierzek^l, Per Kudsk^m, Jay Ram Lamichhaneⁿ, Françoise Lescouret^o, Marco Mazzoncini^c, Bo Melander^m, Antoine Messéanⁿ, Anna-Camilla Moonen^e, Adrian C. Newton^j, Jean-Marie Nolot^d, Silvia Panozzo^p, Patrick Retaureau^k, Maurizio Sattin^p, Juergen Schwarz^h, Clotilde Toqué^k, Vasileios P. Vasileiadis^p, Nicolas Munier-Jolain^a

^a Agroécologie, AgroSup Dijon, INRA, Univ. Bourgogne Franche-Comté, F-21000, Dijon, France

^b INRA, UE 115 Domaine Expérimental d'Époisses, F-21110, Bretenière, France

^c Centro di Ricerche Agro-Ambientali Enrico Avanzi (CIRAA), University of Pisa, Via Vecchia di Marina 6, 56122 San Piero a Grado, Pisa, Italy

^d INRA, UMR1248 AGIR, BP 52627, F-31326, Castanet Tolosan Cedex, France

^e Institute of Life Sciences, Scuola Superiore Sant'Anna (SSSA), Piazza Martiri della Libertà 33, 56127, Pisa, Italy

^f UMR Agronomie, INRA, AgroParisTech, Université Paris-Saclay, 78850, Thiverval Grignon, France

Common for all three areas

Bridging the gap from research to practice

Requires willingness to produce results in English

Dependent on long term funding

ERAnet Coordinated Integrated Pest Management in
Europe

**WP4: Analyse of IPM-related infrastructures and
capabilities**

D 4.4 Final report on IPM-related infrastructure

Draft November 2016

Lead beneficiary
DAFA