



# The European Innovation Partnership (EIP) „Agricultural Productivity and Sustainability“

## Programming demand driven innovation under the EIP: Thematic networks and Multi-actor projects



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## *EIPs - a new Europe 2020 Strategy approach*

- The establishment of European Innovation Partnerships (EIPs) in different sectors represents a new approach under the Europe 2020 Strategy to advance EU research and innovation.
- The Europe 2020 **Flagship Initiative "Innovation Union"** specifies European Innovation Partnerships (EIP) as a new tool for fostering innovation through linking existing policies and instruments



## ***The EIP-AGRI in short***

- Agricultural Productivity and Sustainability (COM (2012)79)
- Overarching concept – funding in CAP-RD and H2020 Research funds, et al
- Based on **interactive innovation model**:

The agricultural EIP goes beyond speeding up transfer "from laboratory to market" through diffusion of new scientific knowledge (referred to as a "linear innovation model").

- Key entities: Operational Groups
- EU wide EIP network: communication, partnering, dissemination, knowledge flows and collecting practice needs  
[http://ec.europa.eu/agriculture/eip/documents/eip-opportunities\\_en.htm#eip-origins-of-eip-agri](http://ec.europa.eu/agriculture/eip/documents/eip-opportunities_en.htm#eip-origins-of-eip-agri)



## ***Areas of Innovative Actions as outlined in the EIP Communication (COM (2012) 79)***

*(non-exhaustive list: finally the content will emerge bottom up)*

- Primary production: technical solutions to increasing productivity and economic viability
- Resource management: eco-system services, soil functionality, water management, and genetic resources (“public goods”)
- Bioeconomy: innovative technology for the bio-based economy bio-refinery; new products; reduction of post harvest loss
- Supply chain: integrated supply chain solutions; new services; logistics, and management systems
- Quality and consumers: food quality, food safety, and healthy lifestyles (consumer information and consumer choice)

"I not only use all the  
brains that I have,  
but all that I can  
borrow"

Woodrow Wilson –  
President of the USA, 1913-1921



## How to use all brains?

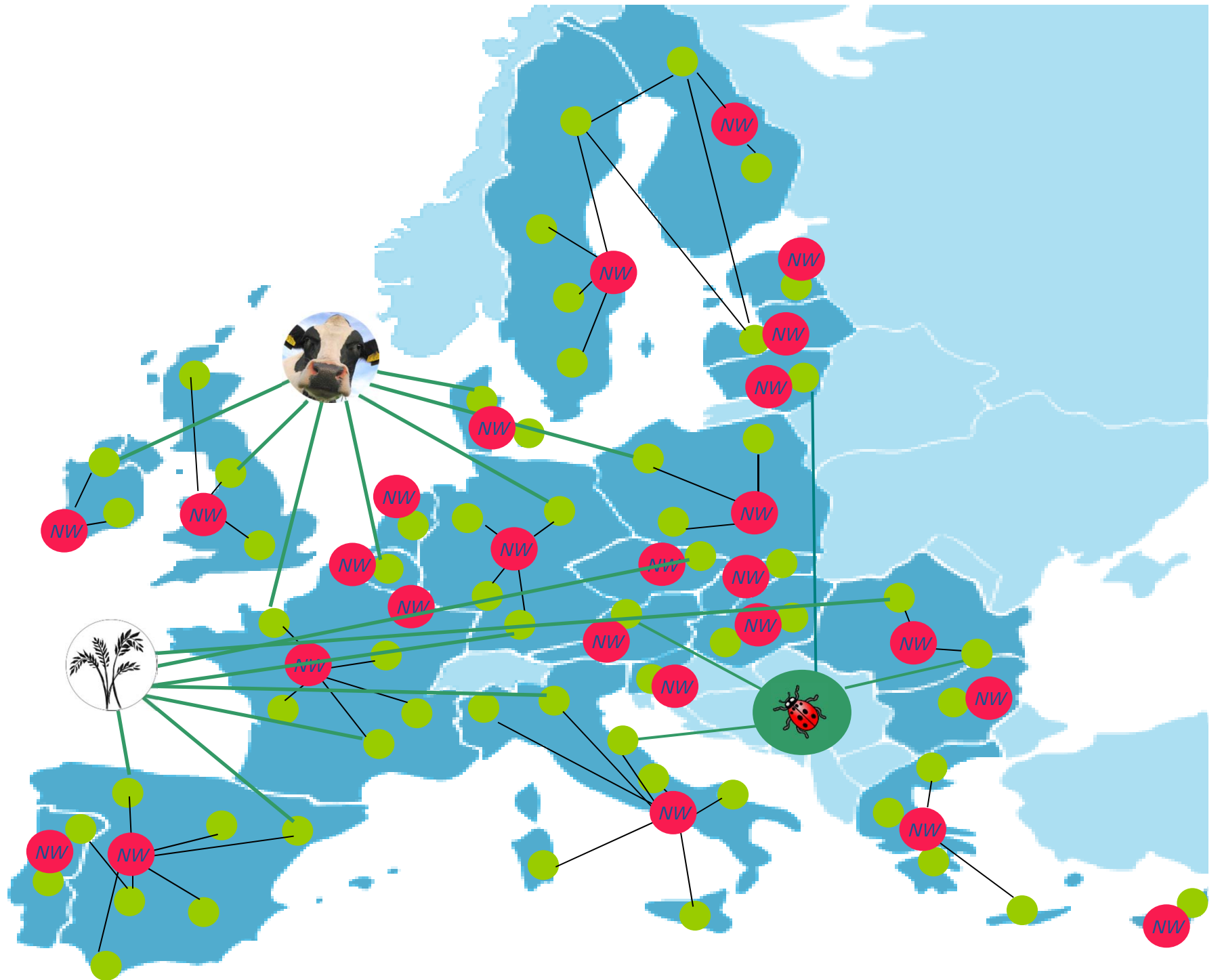
### The Interactive Innovation model

- The EIP adheres to the "interactive innovation model" which focuses on forming demand-driven partnerships - using bottom-up approaches and linking farmers, advisors, researchers, businesses, and other actors in **Operational Groups**.
- Knowledge "exchange" between partners generates new insights and ideas and integrates existing tacit knowledge. The more focused solutions are quicker put into practice thanks to the co-ownership generated during projects.
- This stimulates innovation from all sides and helps to target the research agenda towards practice needs.

## *EIP-AGRI's Key Entities: Operational Groups (OG)*

- Built around concrete innovation projects
- A combination of different competencies (practical and scientific), needed for implementing concrete project objectives
- Action- and result-oriented groups aiming to benefit from interaction for co-creation and cross-fertilisation (interactive innovation)
- An OG project may have various sources of funding:









## *How will Horizon 2020 boost interactive innovation ?*

- Fostering co-creation of knowledge in research and innovation projects through the so-called "**Multi-actor approach**"
- Fostering knowledge exchange through **Thematic Networks** producing end-user oriented material (Coordination and Support Actions)
- Establishment of research and innovation priorities **taking account of the practice needs** channelled through the AGRI European Innovation Partnership (Art. 12 H2020 Regulation)



## ***Multi-actor projects in Horizon 2020 Work Programme 2014-2015***

Total budget for all multi-actor projects and thematic networks in the first Horizon 2020 Workprogramme: 148 mio euro

All multi-actor projects have the following sentence in the description of the topic:

*"Proposals should fall under the concept of multi-actor approach"*

and refer to footnote 1 on p.4 of the Work programme that describes the multi-actor approach as follows



## ***Multi-actor projects in Horizon 2020 Work Programme 2014-2015***

- "multi-actor" is more than a strong dissemination requirement or what a broad stakeholders' board can deliver
- "all along the project" \*: **a clear role for the different actors** in the work plan, from the participation in the planning of work and experiments, their execution up until the dissemination of results and the possible demonstration phase.
- Project proposals should illustrate sufficient quantity and quality of **knowledge exchange activities**

This should generate **innovative solutions that are more likely to be applied** thanks to the cross-fertilisation\* of ideas between actors, the co-creation and the generation of co-ownership for eventual results.

(\*legal base in Specific Programme)



## ***Multi-actor projects in Horizon 2020 Work Programme 2014-2015***

A multi-actor project needs to take into account:

- how the project proposal's objectives and planning are **targeted to needs / problems and opportunities of end-users**
- the **composition of the project consortium** must get sufficient involvement of **key actors with complementary types of knowledge** (scientific and practical) to reach the project objectives and make its results broadly implemented.

Facilitation between actors and openness to involve additional partners during the project, for instance **EIP operational groups**, are strongly recommended.

## *Which multi-actor projects in 2014?*

2 stage-call with deadline for proposals 12/3/2014

<b>SFS-1A</b>	Sustainable terrestrial livestock production: Genetics and nutrition and alternative feed for livestock
<b>SFS-2A</b>	Sustainable crop production: Assessing soil-improving cropping systems
<b>SFS-3A</b>	Practical solutions for pests in agriculture and forestry
<b>SFS- 4</b>	Soil quality and function
<b>SFS-7A</b>	Genetic resources and agricultural diversity for food security, productivity and resilience: Traditional resources for agricultural diversity and the food chain
<b>WASTE 7</b>	Ensuring sustainable use of agricultural waste, co-products and by-products (Soc Ch 5)

## *Which multi-actor projects in 2015?*

2 stage-call – tentative topics for the call to be published July 2014 (deadline for proposals 24/2/2015)

<b>SFS-1C</b>	Sustainable terrestrial livestock production: Assessing sustainability of livestock production
<b>SFS-2B:</b>	Sustainable crop production: Assessing soil-improving cropping systems
<b>SFS-5</b>	Strategies for crop productivity, stability and quality
<b>SFS-13</b>	Biological contamination of crops and the food chain
<b>SFS-20</b>	Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement
<b>ISIB-4B</b>	Improved data and management models for sustainable forestry



## *Thematic networks in Horizon 2020 Work Programme 2014-2015*

- Projects **involving all concerned actors** (researchers, farmers, advisors, enterprises, education, NGOs, administration, regulatory bodies, EIP project groups...): no pure research networks
- Partners should synthesise, discuss and **present existing scientific knowledge & best practices**, with a focus on: what do we have/what do we miss to be used
- **Projects must develop end-user material**, such as info sheets in a common format and audio-visual material, that is long-term available and easy understandable, to be shared through the EIP (input for education and a research web-database for end-users)



## *Thematic networks in Horizon 2020 Work Programme 2014-2015*

- **Themes** can be linked to products or sectors, e.g. arable crops, fruits, vegetables, pig,...etc) or a broad range of cross-cutting subjects, e.g. crop rotation, certain farming practices, energy, implementation approaches of a directive, eco-system services, social services, bio-based products, short supply chains,...etc
- As they bring together possible actors, thematic networks help the **connecting and building of EU operational groups & multi-actor projects**





# Thematic networks ... may generate

"Application abstracts"

A Swedish example:

Online database

1 430 projects and growing

Project facts, summaries and contact data

Available to researchers, advisors, farmers and everyone else

To be shared within the EIP network

Research programme ?  
All

Application year ?  
All

Final report year ?  
All

Search ?

Svenska | English

## PRACTICAL SOLUTIONS TO ENABLE RICH AMOUNTS OF STRAW AT FARROWING

Project status:	Finished	
Project number:	H0950218	
Final report date:	2011-03-01	
Main applicant:	Helena Elmquist	
Organisation:	Svenskt Sigill Kvalitetssystem AB	
Address:	Franzengatan 6 10533 Stockholm	
Phone:	087875966	
Email:	helena.elmquist@sigill.lrf.se	
Co-applicant:	Gunnar Ohlsson	
Co-applicant:	Rebecka Westin	
Grant so far:	690 000 SEK	
	Year 1: 690 000 SEK	

### Application abstract

The use of a rich amount of straw at farrowing show positive effects on pig welfare, health and production result. Taking advantage of this knowledge may lead to a competitive advantage not only for the individual farmers, but also for Sweden in an international perspective. The limiting factor for many farmers though, is the manure handling systems' ability to manage rich straw content. It is important to gain an overall picture of what problems may arise and how they can be solved. This project will describe simple, robust, financially favourable and practical manure handling solutions. Data will be collected by using a survey followed by interviews and documentation. The results aim to improve occupational health as well as animal welfare in piglet production.

### Summary of final report

### Final report

### Final report

## *Thematic networks in H2020 call 2014-2015*

Topic ISIB 2 in the 2014 call:

- Up to one **network** focuses on exchange and development of methods for innovation brokering. It will **connect innovation support services** with experience in the matter (incl advisory services) and help them in how to find innovative ideas and develop them into an innovative group project plan
- 4 other **networks on specific themes** to be proposed bottom-up: Synthesising, sharing and presenting best practices and research results focusing on themes and issues that are near to be put into practice, but not known or tested by practitioners



## *Thematic network topics in 2014 & 2015*

### 1 stage-calls

<b>ISIB- 2</b>	<p>Closing the research and innovation divide (knowledge exchange)</p> <p>Call 2014: deadline for proposals 26/6/2014</p> <p>Call 2015: deadline for proposals 11/6/2015</p>
<b>WATER-4B:</b>	<p>Harnessing R&amp;I results for industry, agriculture, policy makers and citizens: thematic network on water in agriculture (Soc Ch 5)</p> <p>Call 2015: deadline for proposals 10/3/2015</p>



## *EIP workshop 14/1/2014 on multi-actor projects and thematic networks*

Video, including Q & A session, and presentations on  
[http://ec.europa.eu/agriculture/eip/events/eip-research-workshop-2014\\_en.htm](http://ec.europa.eu/agriculture/eip/events/eip-research-workshop-2014_en.htm)

Multi-actor projects and thematic networks:

<http://vimeo.com/84381196>

Proposal submission and evaluation:

<http://vimeo.com/84381198>

Multi-actor project example:

<http://vimeo.com/84385119>



## ***More info on Multi-actor projects and Thematic networks in WP 2014-2015:***

Info on EIP formats under Horizon 2020:

[http://ec.europa.eu/agriculture/eip/pdf/fact-sheet-horizon-2020\\_en.pdf](http://ec.europa.eu/agriculture/eip/pdf/fact-sheet-horizon-2020_en.pdf)

**Looking for partners** in Horizon 2020 multi-actor projects or thematic networks?

<http://www.linkedin.com/groups/Partner-Search-Horizon-2020-Food-7416906>

Follow the EIP website (newsletters, info, examples, and for **common EIP formats for the output of thematic networks**):

[http://ec.europa.eu/agriculture/eip/index\\_en.htm](http://ec.europa.eu/agriculture/eip/index_en.htm)

factsheet on innovation support:

[http://ec.europa.eu/agriculture/eip/events/berlin-11-2013/innovation-support-services\\_en.pdf](http://ec.europa.eu/agriculture/eip/events/berlin-11-2013/innovation-support-services_en.pdf)



*Innovation is an idea put in practice with success*

"The value of an idea lies in the using of it."

Thomas Alva Edison –  
inventor of the light bulb



## ***Synergy with ERANETs and other existing H2020 project types***

*The EIP-AGRI aims to link policies and instruments in view of fostering innovation and connecting science and practice:*

*How can ERANETs (& JPI) and the EIP collaborate in closing the gap between research and practice?*

*- Can the multi-actor approach also be valuable in ERANET calls for proposal?*

*- Which EIP communication tools can serve the ERANETs?*



*To an  
„Agriculture of Knowledge“ ..... Join the EIP*

*Thank you for your attention!*

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