

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

Moving Innovation in Agriculture Ahead !



AKIS III SWG - 4 March 2014 - Krakow

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1. The EIP interlinking policy instruments for synergy: The basics

*Adrien's question:
"Is the definition of an OG restricted to RD?"*

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"). The EIP focuses on forming demand-driven partnerships - linking farmers, advisors, researchers, businesses, and other actors in OGs

- 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

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

Woodrow Wilson –
President of the USA, 1913-1921

EIP-AGRI's Key Entities: Operational Groups (OG) ***(as in EIP Commission Communication Feb 2012 – chapter 6)***

- 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:

**Horizon
2020
(multi-actor)**

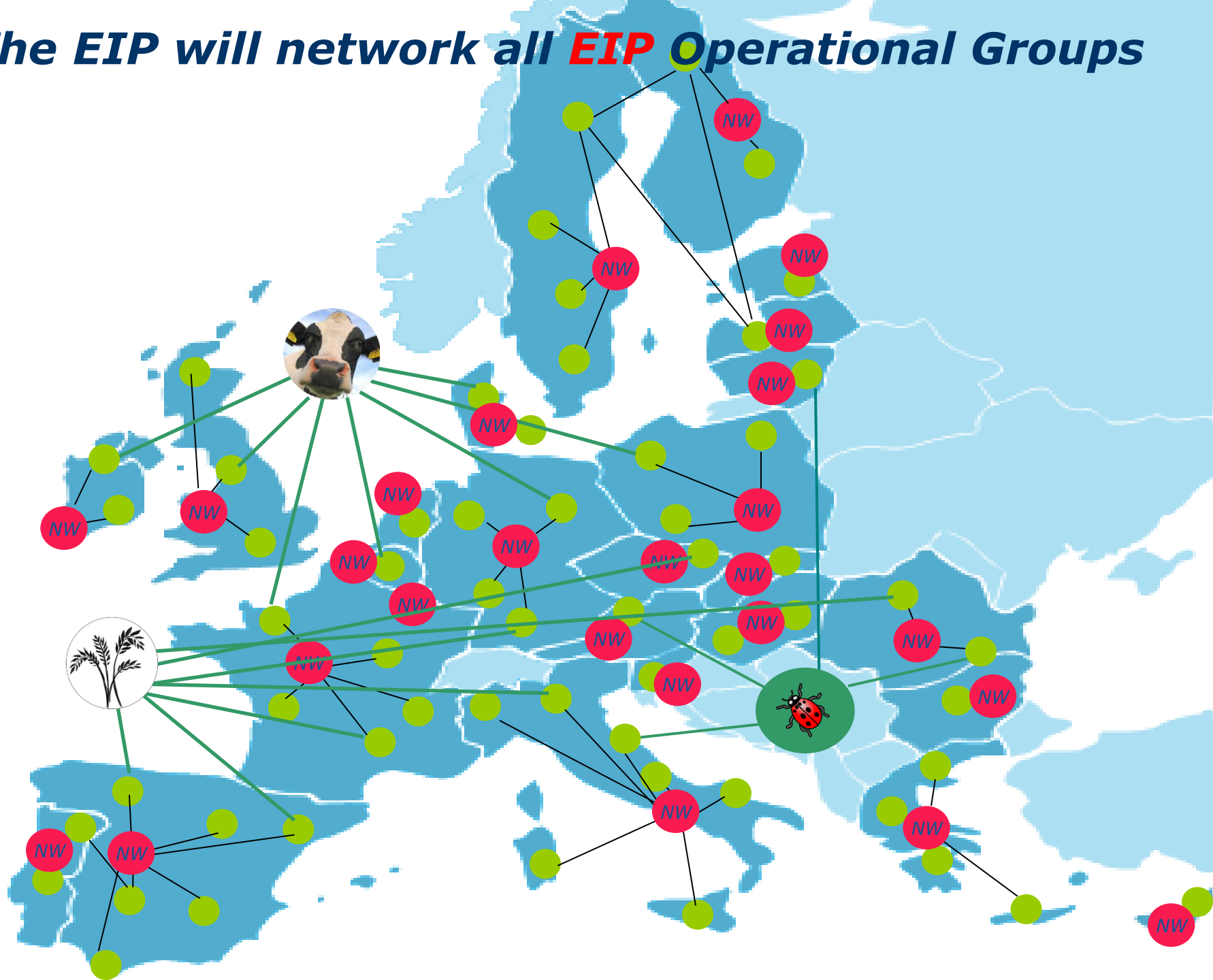
**National
Funds**

**Rural
Develop-
ment
(RD OG)**

ERDF

**Private
Funds**

*The EIP will network all **EIP** Operational Groups*



*Adrien's conclusion:
Major problem regarding EIP is:
There is a lack of **INTEGRATED
APPROACH** for the EIP in MS*

How to tackle this?

*A task for the AKIS & **EIP networks in MS:**
to be discussed in this workshop*

*(*first NRN event for the period 2014-2020 on innovation:
18-19 March 2014 – contact your NRN)*

National Rural Networks

(Art 54 of Rural Development regulation 1305/2013 - 17 dec 2013)

2. Networking by the national rural network shall aim to:

...(d) foster innovation in agriculture, food production, forestry and rural areas.

3. EAFRD support under Article 51(3) **shall** be used:

...(b) for the preparation and implementation of an action plan **covering at least** the following:

- the collection of **examples of projects**... *(OG projects)*
- the **search of partners** for the measure referred to in Article 35 *(for the cooperation measure)*
- activities regarding the provision of networking for advisors and **innovation support services**

2. New instruments in the EU 2014-2020 Research Framework programmes **"Horizon 2020"**

Multi-actor projects and Thematic networks
to boost innovation

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)

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

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>

Video, including Q & A session, and presentations on

http://ec.europa.eu/agriculture/eip/events/eip-research-workshop-2014_en.htm

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

SFS-1A	Sustainable terrestrial livestock production: Genetics and nutrition and alternative feed for livestock	
SFS-2A	Sustainable crop production: Assessing soil-improving cropping systems	
SFS-3A	Practical solutions for pests in agriculture and forestry	
SFS- 4	Soil quality and function	
SFS-7A	Genetic resources and agricultural diversity for food security, productivity and resilience: Traditional resources for agricultural diversity and the food chain	
WASTE 7	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)

SFS-1C	Sustainable terrestrial livestock production: Assessing sustainability of livestock production	
SFS-2B:	Sustainable crop production: Assessing soil-improving cropping systems	
SFS-5	Strategies for crop productivity, stability and quality	
SFS-13	Biological contamination of crops and the food chain	
SFS-20	Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement	
ISIB-4B	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 advisors,
farmers and everyone else

E-forms - To be shared within the EIP network

Home / Projects

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 >

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

ISIB- 2	<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>
WATER-4B:	<p>Harnessing R&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>

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

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

factsheet on innovation support:

http://ec.europa.eu/agriculture/eip/events/berlin-11-2013/innovation-support-services_en.pdf

3. The EU wide EIP Network

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Activities EIP in annual
workprogramme 2014

EIP Annual Workprogramme 2014

5 regional EIP workshops :

26/27 Feb **PT**, ES, EL, CY, MT

2/3 Apr **EE**, PL, LV, LT, FI, DK, SE

25-26 March **SI**, DE, AT, HU, HR

7/8 May **CZ**, UK, NL, IE, BG, SK

21/22 May **FR**, IT, RO, BE, LU

2 workshops on Focus Group outcomes

Seminars (?)

Newsletters, factsheets, etc

Renewed website EIP SP by May 2014 (interactive platforms etc)

Agenda EIP Regional workshops 2014

- **General principles** and practice of the EIP-AGRI, including a brief overview about the general state of play with RDP / EIP programming in the participating countries (by DG AGRI)
- Specific **state of play** with RDP / EIP programming in host MS
- Putting Principles into Practice (Concrete **examples** of projects for inspiration)
- Think tanks (**country group discussions**): Country groups will be guided through a set of questions focusing on the setting up of Operational Groups
- Feedback and Practical (SMART) **Next Steps**: Conclusions from discussions in groups with the aim of identifying common key issues, reinforce important messages and highlight practical next steps
- What the **EIP-AGRI Service Point** can do for you (by the SP)

EIP Annual Workprogramme 2014

Focus groups 2014: 2 waves (always 7 active FGs)

First wave to be launched 11 March:

- 7 High Nature Value (HNV) farming profitability - How to make HNV farming more profitable for its farmers without losing its HNV characteristics.
- 8 Mainstreaming precision farming– How to organise the capture data to facilitate the application of precision farming for an optimisation of inputs and yields.
- 9 Profitability of permanent grassland - How to manage permanent grassland in a way that combines profitability, carbon storage and biodiversity.
- 10 Fertiliser efficiency – focus on horticulture in open field – How to resolve the conflict between crop quality demands and legislative requirements through innovative fertilisation and nutrient recycling.

EIP Annual Workprogramme 2014

Focus groups 2014:

2nd wave

- 11 Optimising yields through ecological focus areas - How to make the best use of ecological focus areas for competitiveness of arable crops.
- 12 Alternative/ innovative supply chains – How to optimise the supply chain to increase both farm income and consumers' choice in outlets.
- 13 IPM practices for soil disease suppression - What practical soil disease suppression techniques are ready to use in which crops? What alternative techniques for soil fumigation are ready to apply?
- 14 Reduction of antibiotics in poultry

4. EIP and Regional funds

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For discussion in this workshop
(updated info by DG REGIO tomorrow)

Cohesion policy 2014-2020 & EU 2020

- Cohesion policy (ERDF, CF & ESF) will **focus on Europe 2020** objectives for smart, sustainable and inclusive growth, along with rural development policy (EAFRD) and maritime and fisheries policy (EMFF)
- All these funds are covered under the **Common Provisions Regulation** (CPR) of the so-called European Structural and Investment **(ESI) funds**
- List of **11 thematic objectives** for ESI funds, developed around the Europe 2020 headline targets and flagship initiatives
- **Thematic concentration for maximising impact:** minimum shares for research and innovation through ERDF
- **Ex-ante conditionality**, e.g. a Research and Innovation Strategy for Smart Specialisation (**RIS3**) for ERDF.




ESIF / Thematic Objectives 2014-2020

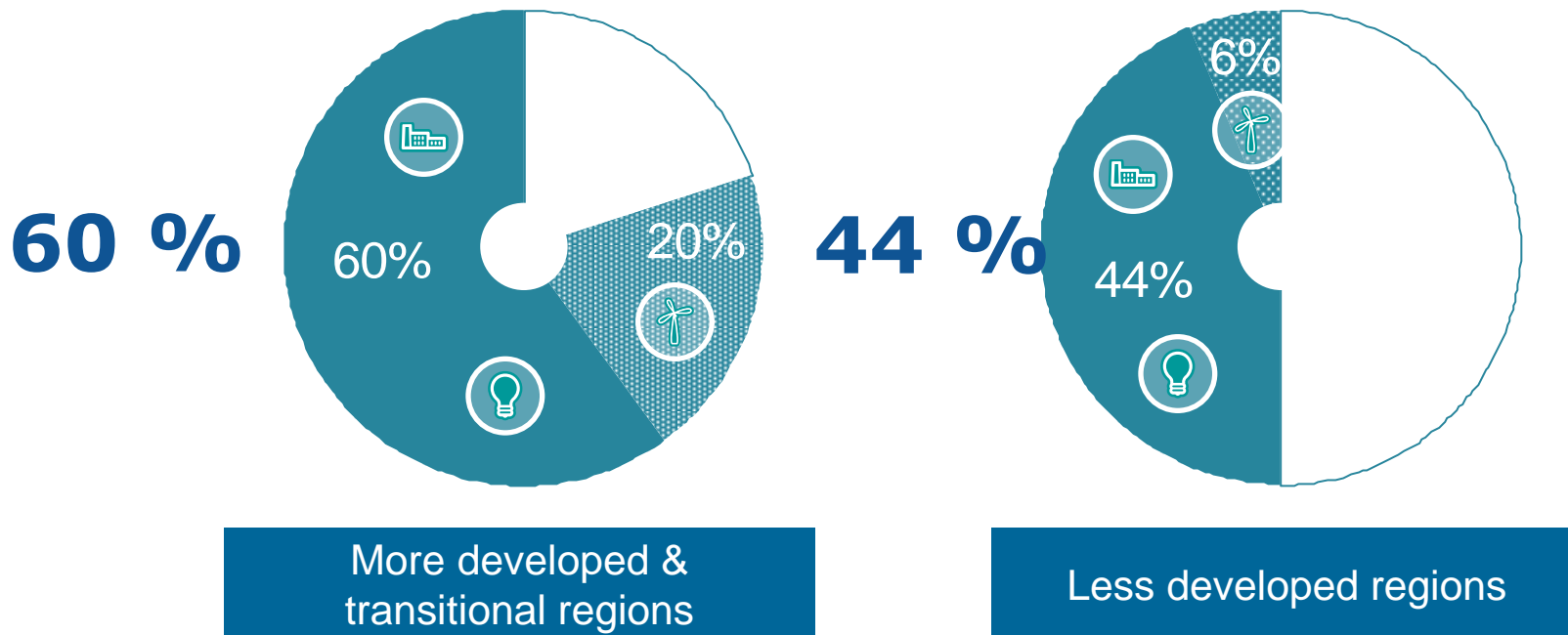
1. Research and innovation

2. Information and Communication Technologies
3. Competitiveness of Small and Medium-Sized Enterprises (SME)
4. Shift to a low-carbon economy
5. Climate change adaptation and risk management and prevention
6. Environmental protection and resource efficiency
7. Sustainable transport and disposal of congestion on major network infrastructure
8. Employment and support for labour mobility
9. Social inclusion and poverty reduction
10. Education, skills and lifelong learning
11. Increased institutional capacity and effectiveness of public administration

Concentrating resources to maximise impact

Concentration of ERDF investments

 Energy efficiency & renewable energy  Research & innovation  Competitiveness of SMEs



Flexibility – different regions have different needs
Special arrangements for ex-convergence regions

Planned investment 2007-2013



European Regional Development
Fund and Cohesion Fund (ERDF)
(€ 271 billion)



Information society Tourism
Social infrastructure Culture
Energy Institutional capacities

**In less developed
regions, ERDF is the
most important
source of funding for
research and
innovation!**

**Unlocking growth potential
by promoting research and
innovation in all regions:**

**€ 86 billion for research and
innovation**, over 25% of total
cohesion policy budget:

- Focus on **R&I capacity-building** but also on infrastructure in less developed regions (over **€50 billion**)
- **Entrepreneurship**: over **€8.3 billion**
- **ICT capacities, research and take-up**: over **€13 billion**
- **Human capital** for innovation: over **€14.5 billion**

Key messages

- ERDF investments are about socio-economic development.
- R&D projects for purely scientific purposes without any direct **practical application** or use in view are no priority for ERDF.
- Research operations are covered by IP1
- Innovation operations are mainly under IP1, but also under IP2 (ICT), IP3 (SMEs), IP4 to 6, IP 8 and 11.
- RIS3 identifies the R&I priority fields in which a region / MS has a competitive advantage and a critical mass.
- **Smart Specialisation Strategies (RIS3) and Operational Programme content are linked.** OPs can only support operations that fit into RIS3.

Comments on the main types of actions (1)

Research infrastructure and capacity (RIC):

- RIC refers to facilities and may include equipment and be combined with measures to train and attract researchers.
- *The ESFRI roadmap does not guarantee an economic impact.*

Innovation infrastructure and capacity (IIC):

- IIC includes facilities such as science and technology parks (STP).

Technology transfer (TT):

- TT may include networking and cooperation platform, brokerage events

Comments on the main types of actions (2)

Networking and clustering:

- ESIF can support the secretariat and the firms.
- *A cluster need to have a sufficient critical mass (partners), to provide a good quality support, to cooperate with other clusters.*

Pilot lines, validation actions ... :

- Such close-to-market investments are crucial for the regional industries.

Opportunities for combining sources of funding

Same project supported by different funds [Art.65, CPR]

→ possible for different expenditures items

Support outside of the programme area [Art.70, CPR]

→ possible up to 15% if for the benefit of the programme area (useful for enabling combined support from CP & H2020 to partners in different countries).

Support from different operational programmes

→ Enhanced possibility to use CP in the framework of the arrangements for interregional and transnational actions in mainstream OP

Demarcation within ESI funds

**Horizon
2020**
(multi-actor)

**National
Funds**

**Rural
Develop-
ment**

ERDF

**Private
Funds**

Demarcation **EAFRD/ERDF** (both under CPR): 2 issues to watch:

- ERDF research and innovation investments in agro-food related fields are only accepted, if they are part of the smart specialisation strategies of the MS / region (ex-ante conditionality ERDF)
- Clear demarcation needed in programmes:
 - EAFRD does not support "stand alone" research under the cooperation measure
 - ERDF can finance "applied research" projects in OPs

Regional funds

1. Check relevant Operational Programmes:

- InfoRegio web-site: summaries & links to regional / national web-sites (http://ec.europa.eu/regional_policy/indexes/in_your_country_en.cfm)
- Check full text of OP & indications on implementation methods on regional / national web-sites

2. Contact Managing Authority:

- See contact details in OP summaries & web-sites

3. Apply at Managing Authority:

- Depends on the budget planning, timing and implementation methods chosen by the Managing Authority

EIP-AGRI approach under regional funds?

*State of play of RIS3
jan 2014 (first infos):
Smart specialisation in
agrofood (map)*



5. EIP links with existing H2020 instruments

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ERANET workshop 13-14 Feb 2014

Platform workshop on ERANETS for the Future – (Leiden 13-14 Feb 2014)

- Workshop session co-organised between FP7 Platform and the EIP Service Point (SP)
- Objective: discuss synergies between EIP and ERANETS
- Presentation of EIP basics, the EIP SP and cases from 2 ERANETS (CORE-Organic cases and Woodwisdomnet): presentations available on <http://platform.dev2014int.nl/index.php?cID=135>
- Questions for the ERANET-coordinators:
 - 1) Which common interest between your ERANET and the EIP?
 - 2) How can ERANETS and EIP collaborate in closing the gap between research and practice?



Suggestion from CORE-Organic cases:

What can ERA-NETs do in practise?

- Publish the rules of funding of private partners from all funding bodies in connection with the call announcement
- Ask for more elaborated plans for dissemination and **end-user dialogue in the application**
- Dissemination expertise and **direct end-user involvement could have more weigh in the evaluation**
- Consider “**bonus funding**” for promising projects for national adaptation



Platform workshop on ERANETS for the future –

Results of the discussion between ERANET coordinators

1) Which common interest between your ERANET and the EIP?

- Thematic overlap
- ERANETs want end-users' and actors' involvement and make results application oriented (multi-actor approach in projects, involve actors in setting the research agenda)
- Using RDP instruments for implementation of ERANET results
- Explain complicated things in a simple way: training material as outcome of ERANET calls
- Involve end-users in proposal evaluation
- ERANETs need better understanding on what is a focus group (FG) and an operational group (OG)

2) How can ERANETs and EIP collaborate in closing the gap between research and practice?

- Disseminate results of ERANET research: report to EIP dbase (E-forms)
- Have more info from end-users to scope ERANET calls
- Have more contact with OGs and see what comes out of their work
- Bring end-users in direct contact in the ERANET activity
- EIP to provide a portal/service where to find results of ERANETs and on opportunities;
- Involve ERANETs in thematic working groups and EIP FGs
- Reflect on how to "upgrade" national/regional OGs to European scale (dbase of OGs, thematic networks, ...)

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

The SWG AKIS helping....



To exchange knowledge between all actors in the EU

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

Thank you for your attention!

Inge.Van-Oost@ec.europa.eu

Selection criteria (cfr EIP seminar)

Innovation guidelines (RDC 20 Feb 2013) last paragraph p.7 on innovation projects under Rural Development

criteria can be related to:

- relevance of the project for actors and end-users* (self sustaining)
- targeted composition of the partners in view of co-creation*
(for that particular project objective)
- quality & quantity of knowledge exchange & cross-fertilisation
- demonstrating competences on state of play/avoiding repetition
- easy understandable & long-term communication effect

(*evidence from examples collected by the KT & I focus group (ENRD))

Make a good interactive innovation project plan

Multi-actor projects under Horizon 2020

Important features of multi-actor projects:

- 1. Relevance of the research object for end-users**
(importance of subject, demand driven, complementarity, creativity, absorption capacity...)
- 2. Targeted composition of the partnership of actors**
(coverage of partners, complementarity, adequacy, ...)
- 3. Refining of possible solutions: knowledge exchange and cross-fertilisation actions** during the project (actions generating co-ownership)
- 4. Short-term dissemination** (via involvement of actors & end-users, expertise and track record of actors, translation)
- 5. Long-term dissemination** (output and outreach, easy accessible and understandable)

Possible selection criteria DE - BW

- Scientific and technical quality
- Sustainability of the project
- Composition of the operational group
- Value, quality and intensity of cooperation
- Linkages with and Importance for practice
- Effectiveness of knowledge and experience exchanges
- Linkages to the national objectives

Possible selection criteria BE - FL

- Thematic orientation
- Composition of the consortium
- Objectives of the project proposal and expected output
- Quality of the proposal and actions planned
- Innovation potential and/or problem solving potential
- Complementarity with existing initiatives

Possible selection criteria

- In how far are end-users targeted (how many, geographically well spread, used the best communication channels)? 10
- Result-orientated project (innovation potential, solving problems, effect will keep on the long term). 20
- Feasibility: Is the workplan well developed in view of reaching the objectives (to the content and also financial) 20
- Efficiency and frequency of the knowledge exchange (diversity and number of methods, involvement of the most adequate farmers or farming system, use of best material for support 10

Possible selection criteria

- Technical scientific base for the project (sufficient proof to support the project ideas, evidence supporting that that innovation may take place linkages with existing projects) 10
- Ratio costs to the result expected (man-days per task acceptable etc) 10
- Adequateness of the coordinator and his partners: competences and trustworthiness for the execution of the project, impact on the targeted public, will the glue between partners hold? 20

Selection criteria NL

Beoordelingscriteria	Wegingsfactor
The theme of the project is more innovatief is.	3x
The approach taken is more effective	2x
The competences and experience of the facilitator will improve the project activities	2x
The knowledge and experience gained during the project will be better disseminated	3x
The combinatie of the project manager an the partners fit better with the project	2x
The ratio between costs and quality is fit for purpose	2x
The project is helping to improve sustainability	2x
Theme fits with the innovation programme	2x