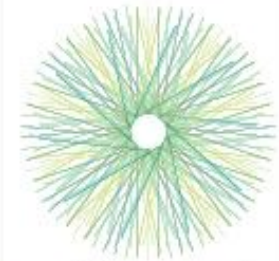
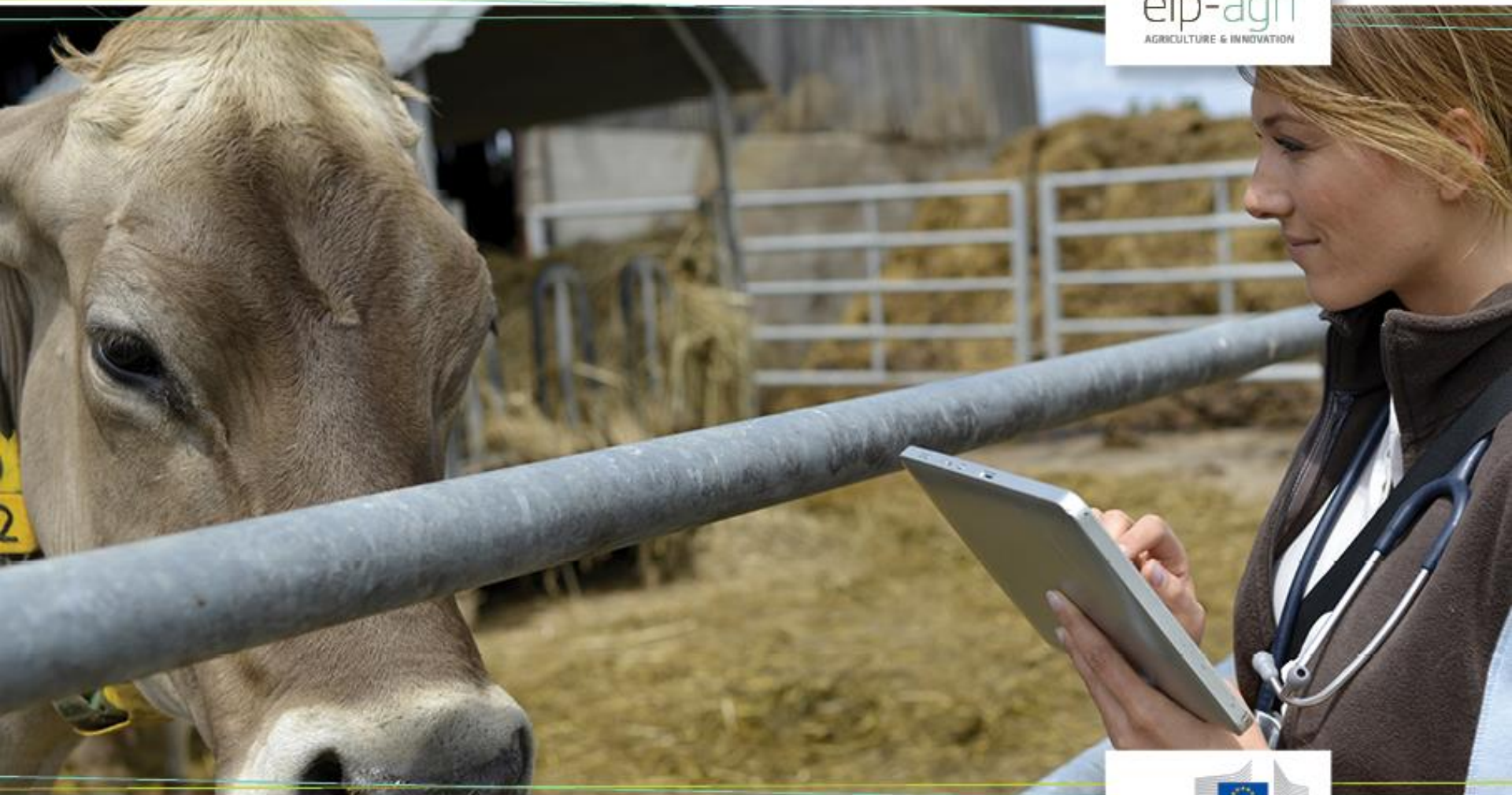


EIP-AGRI Workshop 'Biosecurity at farm level: challenges for innovation'

22-23 January 2015 – Brussels, Belgium



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AGRICULTURE & INNOVATION



funded by



European
Commission

European Innovation Partnership 'Agricultural Productivity and Sustainability'



Directorate General for Agriculture and Rural Development

EIP-AGRI

Aim: Fostering a competitive and sustainable agriculture and forestry sector that 'achieves more from less'

Approach: Building the bridge between research and practice and forming partnerships by:

- **Using the interactive innovation model**
- **Linking actors through the EIP-AGRI Network**

EIP-AGRI strategy

To bring partners from research, agricultural practice, industry, NGOs and the advisory sector together in **operational groups (OGs)**.

An OG works on an innovative project funded under rural development programmes.

Operational groups

- Actors working together in a project targeted at innovation and producing concrete results.
- It is up to the managing authorities themselves to select the OGs projects to be supported and to decide on selection criteria.
- Selection criteria: to target projects with objectives towards practical outcomes (tackling problems /opportunities of practitioners).
- Composition of the group: benefiting the project and its outreach.

Focus groups

EIP-AGRI Focus Groups are temporary groups of selected experts focusing on a specific subject, sharing knowledge and experience.

Objectives

- Take stock of the state of the art of practice
- Take stock of the state of the art of research
- Identifying needs from practice and possible directions for further research
- Highlighting priorities for innovative actions by suggesting practical **OGs** or other project formats

Focus group on the reduction of antimicrobials

The group identified three main interrelated areas for the reduction of antimicrobial use:

General enhancement of animal health and welfare to reduce the need for antimicrobial use. This concerns disease reduction in particular through improvement of biosecurity, management, husbandry, facilities, and training of personnel, veterinarians and advisors.

Specific alternatives to antimicrobials including vaccination, nutritional approaches and breeding.

Changing attitudes, habits and human behaviour (farmers, agri-advisors and veterinarians) and improving the dissemination of information.

General recommendations

- Research on the **economic impact** of the implementation of biosecurity and management procedures.
- A detailed **study on biosecurity and antibiotic use** in the different farm systems found across the EU.
- Development of **Europe-wide guidance** and demonstrations of good biosecurity and health management practices.

General recommendations

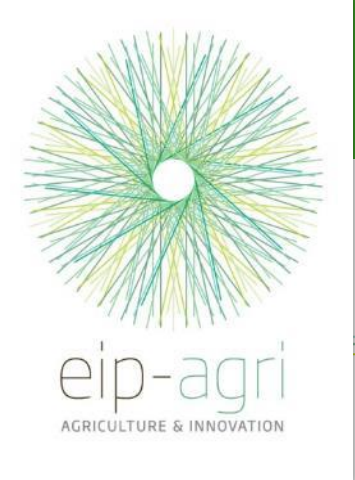
- Develop and promote a **coaching concept** to improve transfer of knowledge on biosecurity.
- Develop new, and promote the use of already existing **interactive tools** to assess biosecurity.
- Foster the development of **EU-wide certification** processes for biosecurity and herd health status as a first step towards larger disease elimination programmes.

Focus Group on how to reduce the use of antibiotics in pig farming

The report is available on the EIP-AGRI website:

<https://ec.europa.eu/eip/agriculture/en/content/animal-husbandry>

The EIP-AGRI Website: www.eip-agri.eu

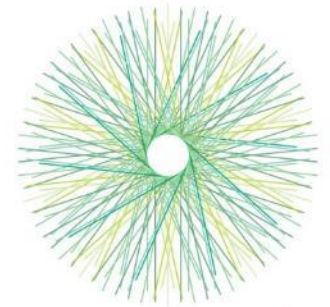


REGISTER NOW!



www.eip-agri.eu

Website – Interactive functions



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Inspirational ideas:
for pests

Did you know that pest is causing huge losses for and raspberry farmers using a special 'insect pest'...

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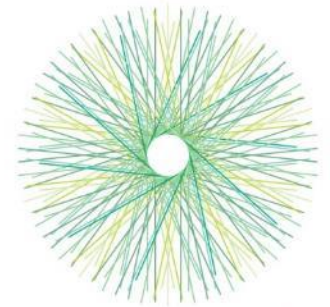
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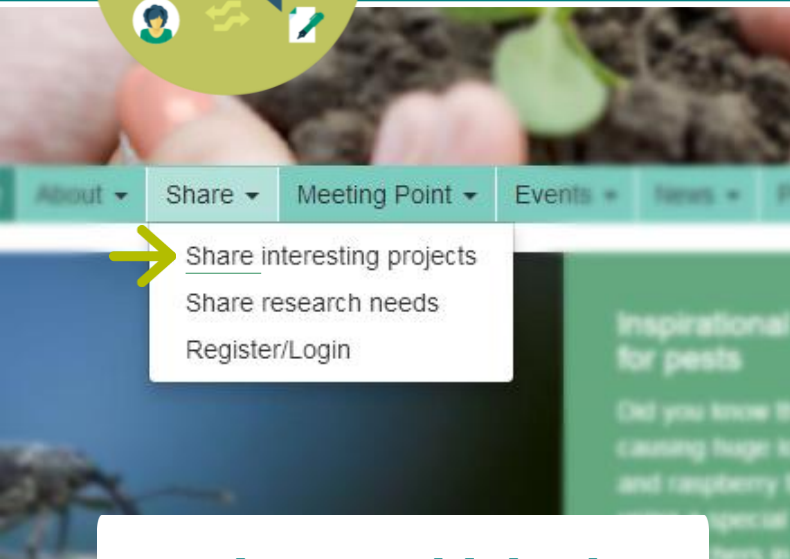
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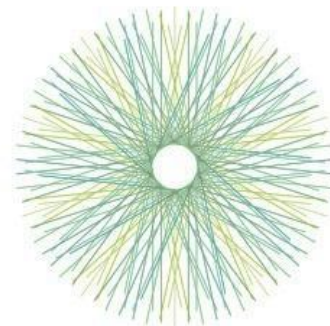


**Register and join the
EIP-AGRI network
www.eip-agri.eu**

Linking Research and Practice



EU network linking all innovation actors



eip-agri
AGRICULTURE & INNOVATION



Rural
Development
Programmes



HORIZON 2020

Funding
operational
groups

Research
activities

European Innovation Partnership and Horizon 2020

Rural Development

- **Setting up "operational groups"** involving farmers, advisor, agribusiness, research, and NGOs to work on innovation projects
- **Project funding** for activities of operational groups, possibly combined with other measures (investment, knowledge transfer, advisory services)
- Supporting **innovation support services**



Horizon 2020

- Research projects, including on-farm experiments to provide the knowledge base for innovative actions
- Interactive innovation formats such as **multi-actor projects** and
- and **thematic networks**

Focus Groups

3 Pillars

7 Societal challenges

Challenge based

•Industrial leadership

•LET, Risk Finance, SME

•Societal challenges

•Excellent science

•ERC, Marie Curie, FET, Infrastructures,

1. Health, demographic change and wellbeing

2. Food security, sustainable agriculture, marine and maritime research and the bioeconomy

3. Secure, clean and efficient energy

4. Smart, green and integrated transport

5. Climate action, resource efficiency and raw materials

6. Inclusive, innovative and reflective societies

7. Secure societies

Bottom up

Research Activities under 'societal challenge 2'

**Agriculture
and
forestry**



**Agri-food
sector for a
safe and
healthy diet**



**Aquatic
living
resources**



**Bio-based
industries
and
bioeconomy**

**Marine
and
maritime
research**



Agriculture and forestry: main challenges

AGRI budget for 7 years: ~1,8 billion € (SC2: ~3,8 bn €)



Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience



Providing ecosystem services and public goods

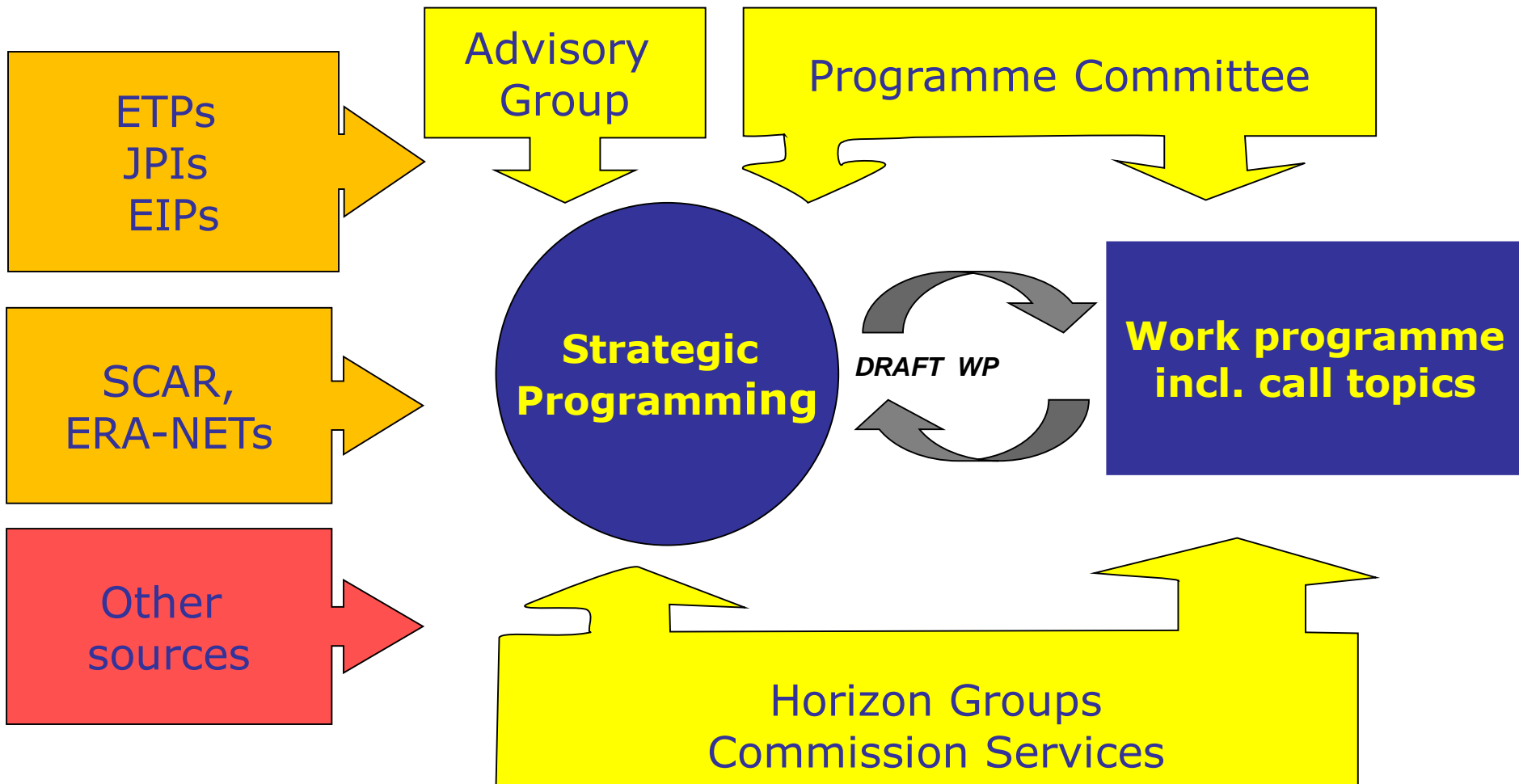


Empowerment of rural areas, support to policies and rural innovation



Sustainable forestry

Strategic Programming - Work Programme Preparation



SC2 Stakeholder consultations (June)

Written consultation

- When: 2 to 30 June
- Who: Science community, ERANETs, ETPs, JPIs, JTIs, SCAR, Industry...
- 250 recipients – 49 replies

Stakeholder workshop

- When: 20 June 2014
- Who: EIP-AGRI stakeholders - farmers, foresters, industry, consumers, NGOs, advisors, some scientists...
- 70 participants

Written consultation – Key findings

General:

- More collaboration across disciplines & stakeholders
- Numerous references to climate change, circular economy, and food waste and waste enhancement, bioinformatics & e-bioscience

Agriculture:

- Strong emphasis on ensuring health and nutrition demand for consumers
- Agro-ecology & organic agriculture
- Methods for improving recycling of nutrients
- Improving productivity of protein crops
- Plant breeding, multi-use plants, animal breeding, new crop varieties
- Preservation and sustainable use of genetic resources in agriculture
- More research on value chain approaches
- Development of ICT-enabled intelligent agriculture
- **Animal and plant health**
- Improved resource-efficient processing, packaging and preservation
- **Responsible livestock farming**
- Diversification of local economies in rural areas

Implementing H2020 SC2

Specificities of the new Framework Programme

Challenge-based approach

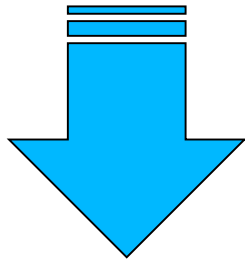
Less prescription

Broader topics

**Work programmes with a 2 year-
duration**

Implementing H2020 SC2

Specificities of the new Work Programme



TOPICS reflect
the challenge-based H2020 approach

Specific Challenge

- sets the context, the problem to be addressed, why intervention is necessary
- **Scope**
 - delineates the problem, specifies the focus and the boundaries of the potential action BUT without overly describing specific approaches
- **Expected Impact**
 - describe the key elements of what is expected to be achieved in relation to the specific challenge

European Innovation Partnership and Horizon 2020

Rural Development

- **Setting up "operational groups"** involving farmers, advisor, agribusiness, research, and NGOs to work on innovation projects
- **Project funding** for activities of operational groups, possibly combined with other measures (investment, knowledge transfer, advisory services)
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Horizon 2020

- Research projects, including on-farm experiments to provide the knowledge base for innovative actions
- Interactive innovation formats such as **multi-actor projects** and
- **and thematic networks**

Focus Groups

Multi-actor (research) projects and Thematic networks under Horizon 2020

Horizon 2020 legal base:

"A "multi-actor approach" will ensure the necessary cross-fertilising interactions between researcher, businesses, farmers/producers, advisors and end-users".

*"The impact and dissemination of research results will be actively supported through specific actions on communication, knowledge exchange and the **involvement of various actors all along the projects.**"*

This approach fully matches with the concept of RD Operational Groups under the EIP interactive innovation model

Thematic networks in Horizon 2020 Work Programme 2014-2015

- Coordination and Support Action 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 EIP operational groups & multi-actor projects**

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>