

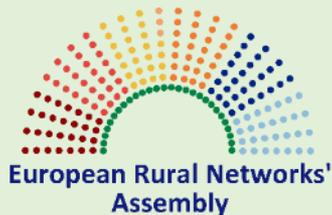
The European Innovation Partnership (EIP) „Agricultural Productivity and Sustainability“

Moving Innovation in Agriculture Ahead !



EIP-AGRI update - SCAR AKIS SWG – 19 November 2019

Inge Van Oost - DG Agriculture and Rural Development



Overview of past and upcoming activities of AWP 2019

15th Meeting of the
Subgroup on Innovation



Overview of past EIP-AGRI SP activities – 2019

(since 14 June 2019)

June

Focus Group
Reducing antimicrobial use in poultry farming

Agri-Innovation Summit

September

Focus Group
Pests and diseases of olive trees

October

Focus Group
Bee health and sustainable beekeeping

Focus Group
Soil salinisation

Overview of upcoming EIP-AGRI SP activities: 2019-2020

October

Rural Networks Steering Group

Focus Group
Diversification opportunities through plant-based medicinal and cosmetic products

Workshop
Small is smart – innovative solutions for small agricultural and forestry holdings

November

Focus Group
Soil contamination

December

RN Assembly

January

Focus Group
Reducing antimicrobial use in poultry farming

February

Seminar
Bridging the gap: skills development for agriculture's digital transition

Overview of past and upcoming activities

Coming up:

- Key messages from the Agri-Innovation Summit
- Workshop ‘small is smart’ – Innovative solutions for small agricultural and forestry holdings
- European Conference on Crop Diversification
- Seminar - Bridging the gap: skills development for agriculture’s digital transition

Agri-Innovation Summit Lisieux June 2019

- 2nd experience of Agri Innovation Summit after Lisbon 2017 highlighting **the potential of the EIP approach to address the challenges faced by European agriculture and forestry**
- Complex organisation but excellent cooperation (team of 40 people)
- Great interest in agroecology and interactive innovation
- 450 participants from 26 Member States
- 120 innovative projects (posters & actors)
- 115 Operational Groups
- 40 Horizon multi-actor projects
- 2 round tables
- 9 workshops
- 8 project visits
- A fairy-tale walking dinner
- Great networking moment



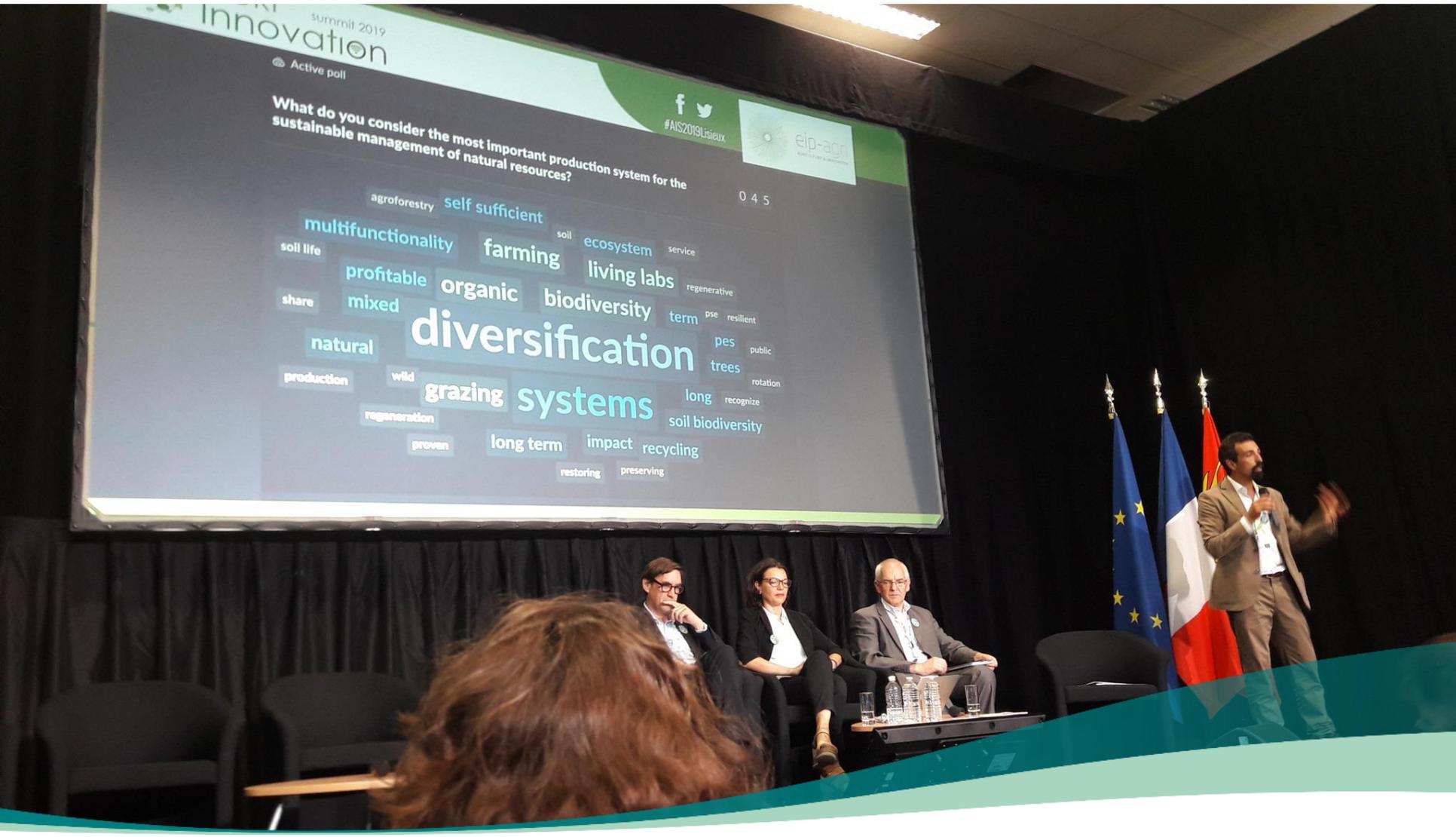
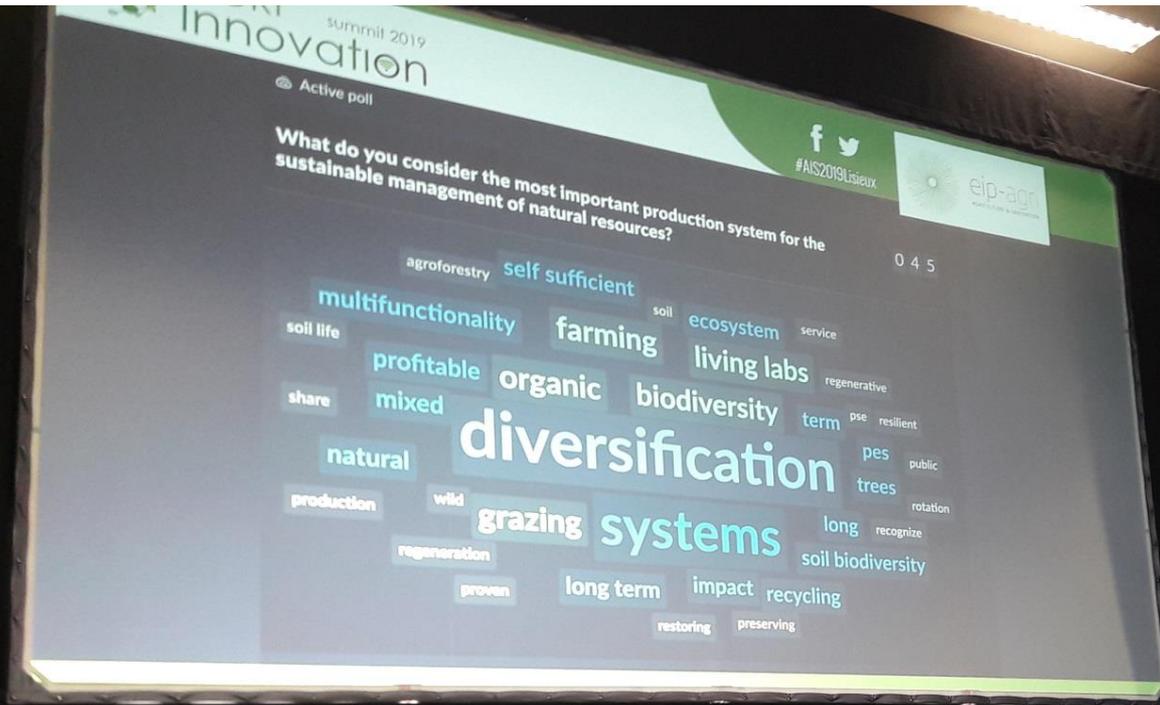
Round table on innovation policy

change, risk, research, costs, red tape, circular, systems, digital, social attractiveness, farmer of the future, new interaction models, ...



Thematic sessions

reducing inputs, overhauling our production systems, better integration with downstream, citizens, territory...



Round table “How to achieve successful sharing, co-creation and up-take of knowledge and innovation at all levels?”

AKIS is the key tool



Resources & Dissemination

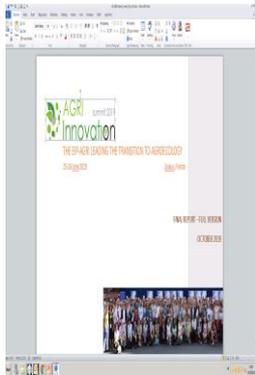
lots of inputs for future EIP and Horizon activity



AIS 2019 webpage in EN and FR

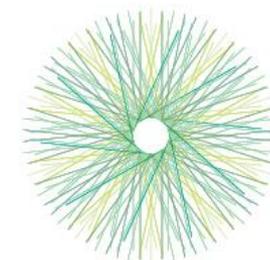
<https://www.reseaurural.fr/Sommet-agri-innovation-2019>

PPT presentations, videos, projects book, Press kit, photos



COMING SOON: Full report
& longer video

EIP-AGRI Workshop 'Small is smart'



eip-agri
AGRICULTURE & INNOVATION



funded by  European Commission



THEME

EIP-AGRI Workshop ‘Small is Smart - innovative solutions for small agricultural and forestry holdings’

WHEN / WHERE

29-30 October 2019, in Bucharest, Romania



AIM

To promote **networking and cooperation** among people and projects dealing with **innovation and adoption of new technologies** in small farm and forestry holdings.

OBJECTIVES

- identify common **challenges** and explore potential **solutions**;
- **connect** participating projects to promote further **co-operation**;
- exchange **good practices**;
- better understand the elements required to improve the **innovation support environment**.

PROGRAMME

1,5 days including a field trip to the Romanian Horticultural Institute.

KEY AREAS TO EXPLORE

Four main working topics:

- **Collaboration in production and processing**
- **Short supply chains**
- **Land stewardship for ecosystem services and biodiversity**
- **Bioeconomy initiatives**

All of which will cover the following **horizontal themes**:

- **Knowledge sharing**
- **Digitalisation**



European Conference on Crop Diversification

- **When & where**

18th - 21st September 2019, Budapest, Hungary

- **Organisers**

DiverIMPACTS project in collaboration with its partners of other Multi-Actor projects Horizon 2020 in the "Crop Diversification Cluster": Diverfarming, DIVERSify, ReMIX, LegValue, TRUE

The conference explored **how we can achieve the full potential of cropping system diversification** for:

- improved productivity,
- delivery of ecosystem services, and
- resource-efficient and sustainable value chains.

European Conference on Crop Diversification

Follow-up to the EIP-AGRI workshop ‘Cropping for the future’ (June 2019 in Almere, the Netherlands)

Conference included a workshop ‘**Towards a crop diversification network**’ with the following objectives:

- Identify expectations and needs, as well as experiences, in terms of networking on crop diversification
- Suggest ideas, processes, instruments and tools, and make recommendations to support networking on crop diversification

European Conference on Crop Diversification Workshop ‘Towards a crop diversification network’

Main points reported from discussions in this workshop were:

- There's a need for knowledge exchange on crop diversification
- Objectives could be - knowledge sharing, connecting actors in the value chain, matchmaking, creating bridges and synergies
- Integrating different types of actors along the value chain
- There are already existing networks – identify common objectives, create a sense of identity, motivate stakeholders to join in, take practical action, create co-benefits for all stakeholders
- Combine local initiatives to the bigger picture, make it multi-level from local to EU and beyond



European Conference on Crop Diversification

15th Meeting of the Subgroup on Innovation



The conference addressed a whole range of themes, such as:

- crop diversification - benefits, barriers, lock ins, enablers and practical experiences
- promoting diversification along value chains
- breeding for crop diversification
- assessing the performance of diversified cropping systems
- co-designing approaches that foster crop diversification



Have a look at:

<https://www.cropdiversification2019.net/>

EIP-AGRI Seminar: 'New Skills for Digital Farming'

AIM:

Contribute to the design and implementation of approaches and tools that can help farmers and farm advisers develop the **skills** they need in the face of the digital transition in agriculture.



EIP-AGRI SEMINAR
NEW SKILLS FOR DIGITAL FARMING
5-6 FEBRUARY 2020 - MADRID, SPAIN



funded by  European Commission

Organised in collaboration with the **Spanish Ministry of Agriculture**

Who? Farmers and their organisations, advisors and innovation support services, RDP Managing Authorities/ Network Support Units, actors in the field of higher education and vocational education & training (VET), ICT companies, European projects...

Call for expression of interest launched early September (closed on 7/10)

Assessment of applications + definition of programme: ongoing

Event webpage:

<https://ec.europa.eu/eip/agriculture/en/event/eip-agri-seminar-new-skills-digital-farming>

EIP-AGRI supporting the digital transformation in agriculture

Reminder of relevant activities (2016 – 2018)

- [EIP-AGRI Focus Group “Mainstreaming precision farming”](#)
- [H2020 Workshop “Digitising the agri-food sector”](#) 28-29 September 2016, Brussels
- [EIP-AGRI seminar “Data revolution: emerging new business models in the agri-food sector”](#)
22-23 June 2016 Sofia, Bulgaria
- [EIP-AGRI Workshop on “Data Sharing: ensuring a fair sharing of digitisation benefits in agriculture”](#) 4-5 April 2017 Bratislava, Slovakia
- [EIP-AGRI Seminar “Digital Innovation Hubs: mainstreaming digital agriculture”](#)
1-2 June 2017 Kilkenny, Ireland.
- [Agri Innovation Summit \(AIS 2017\)](#) 11-12 October 2017 Lisbon, Portugal.
- [Digitisation Day](#) 17 November 2017 Brussels
- [EIP-AGRI Workshop “Enabling farmers for the digital age: the role of AKIS”](#)
26-27 April 2018 Jurmala, Latvia
- [EIP-AGRI Seminar “Multi-level strategies for digitising agriculture and rural areas”](#)
12-13 December 2018 Antwerp, Belgium

EIP-AGRI Seminar: ‘New Skills for Digital Farming’

WHY

- Lack of awareness and skills: barrier to widespread use of digital technologies on farm
- Shortage of digital skills across European economic sectors
- MS recognise the need to invest in training and upskilling in agriculture^(*)
- Needs are different according to the farmer’s profile (*EIP workshop in Jurmala, April 2018*)
- Need to develop appropriate training and educational programmes as part of integrated ‘digital strategies’ (*EIP Seminar in Antwerp, December 2018*)
- Role of future CAP strategic plans to support the modernisation of the agricultural sector, K&I initiatives including use of digital technologies

(*) See the [declaration](#) of cooperation on ‘A smart and sustainable digital future for European agriculture and rural areas’

EIP-AGRI Seminar: ‘New Skills for Digital Farming’

Seminar objectives

- **Identify the skills** that can help farmers better understand and use digital technologies
- **Share successful educational and training initiatives** that can raise awareness and foster digital skills in the farming community
- Discuss **how the CAP strategic plans can address** the digital skills gap in the farming sector, by stimulating cooperation between relevant actors and by combining policy instruments
- Explore ways to **connect European actors** in the farming, advisory, educational and vocational training sectors to develop a strong support system for agricultural knowledge exchange and innovation



Next Annual Workprogramme 2020

15th Meeting of the
Subgroup on Innovation



The new 2020 EIP-AGRI work programme



Sources of ideas

SUBGROUP
ON
INNOVATION

Topics for
Focus Groups
WEB FORM

DG AGRI &
EIP-AGRI Service Point
(Policy needs inputs received, synergies and complementarity
with H2020)

Leftovers from previous year

4 clusters (25 subclusters) from the first brainstorming

Capacity
Building/AKIS

Sustainable
Management of
Natural Resources

Value
chains/competitive
ness

Other ideas

Preparing the events in Sol meetings, 14 June and 16 October 2019: What, how and who is the target group?



Call for coordinating experts for AWP 2020

**Call for interest: Would you like to contribute to the EIP-AGRI as a temporary consultant for the EIP-AGRI Service Point?
(newsflash 38)**

The EIP-AGRI Service Point is looking for coordinating experts for a number of workshops, seminars and Focus Groups, and main facilitators for workshops and seminars on a range of [topics](#).

If you are interested then [please complete the application form and submit your Europass CV](#).

The **deadline for applications is 9 December 2019, 23:59 hrs Brussels time.**

<https://ec.europa.eu/eip/agriculture/en/content/coordinating-experts-application-form>

Resulting Annual Workprogramme 2020

Seminars

1. AKIS (2nd half March/1st week April)
2. Soil (after summer)

Workshops

1. Interactive innovation for the challenges of the forestry sector
2. New strategies towards carbon neutral agriculture

Remember! – Focus Groups and Workshops

The objectives of a Focus Group are:

- To **take stock** of the state of play of research and of practice in the field
- To **identify needs** for practice
- To **propose**
 - directions for further research
 - priorities for innovative actions such as OGs
 - ways to disseminate good practices and knowledge

The objectives of a Workshop are:

To promote cross-border knowledge exchange, sharing of experiences, networking and continuous cooperation between Operational Groups and other innovative projects:

- Identify common challenges
- Explore potential solutions to shared challenges
- Exchange good practices
- Connect projects
- Promote cooperation

Focus Groups 2020

Focus groups (calls to be opened after 9 Dec 2019)

1. How to combine wildlife with improving agricultural production
2. Industrial crops on marginal lands
3. Reduction of plastic use in agriculture
4. Practices to increase the sustainability of beef production
5. Climate smart tropical crops in the EU

Introduction to the 2020 Soil seminar

Soils functions

Water Provision and purification

Carbon sequestration

Habitat for biodiversity



Primary Production

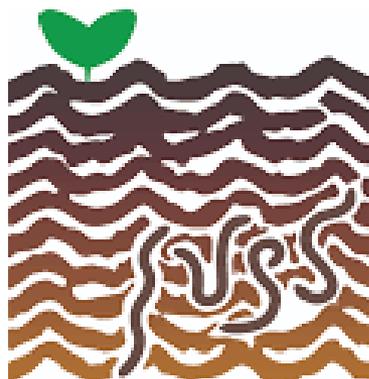
Nutrient Cycling

Soils: a major international issue



2015

International
Year of Soils



**International
Decade of Soils**
2015-2024

Soils: a major international issue



GLOBAL SOIL PARTNERSHIP

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES 			12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	
13 CLIMATE ACTION 			14 LIFE BELOW WATER 	15 LIFE ON LAND

THE GLOBAL GOALS
For Sustainable Development

Soil innovation under EIP-AGRI activities

Focus groups

- Grazing for carbon
- Carbon storage in arable land
- Soil organic matter
- Soil-borne diseases
- Soil salinisation
- Protecting agricultural soils from contamination

Workshops

- Organic is operational
- Connecting innovative projects: Water & Agriculture
- Cropping for the future: networking for crop rotation and crop diversification

Agri-Innovation Summit 2019

Horizon 2020 SC2 multi-actor projects - Soils

- LANDMARK
- SOILCARE
- DIVERFARMING
- DiverIMPACTS
- CIRCASA
- BEST4SOIL (Thematic Network)

In the pipeline - European Joint Programme on agricultural soil management (1 project, 40 M€ + 40 M€ Member State co-funding)

Horizon Europe

Adaptation to climate change, including societal transformation



Cancer

Healthy oceans, seas, coastal and inland waters



5 Mission areas



Soil health and food

Climate-neutral and smart cities



Introduction to the AKIS seminar

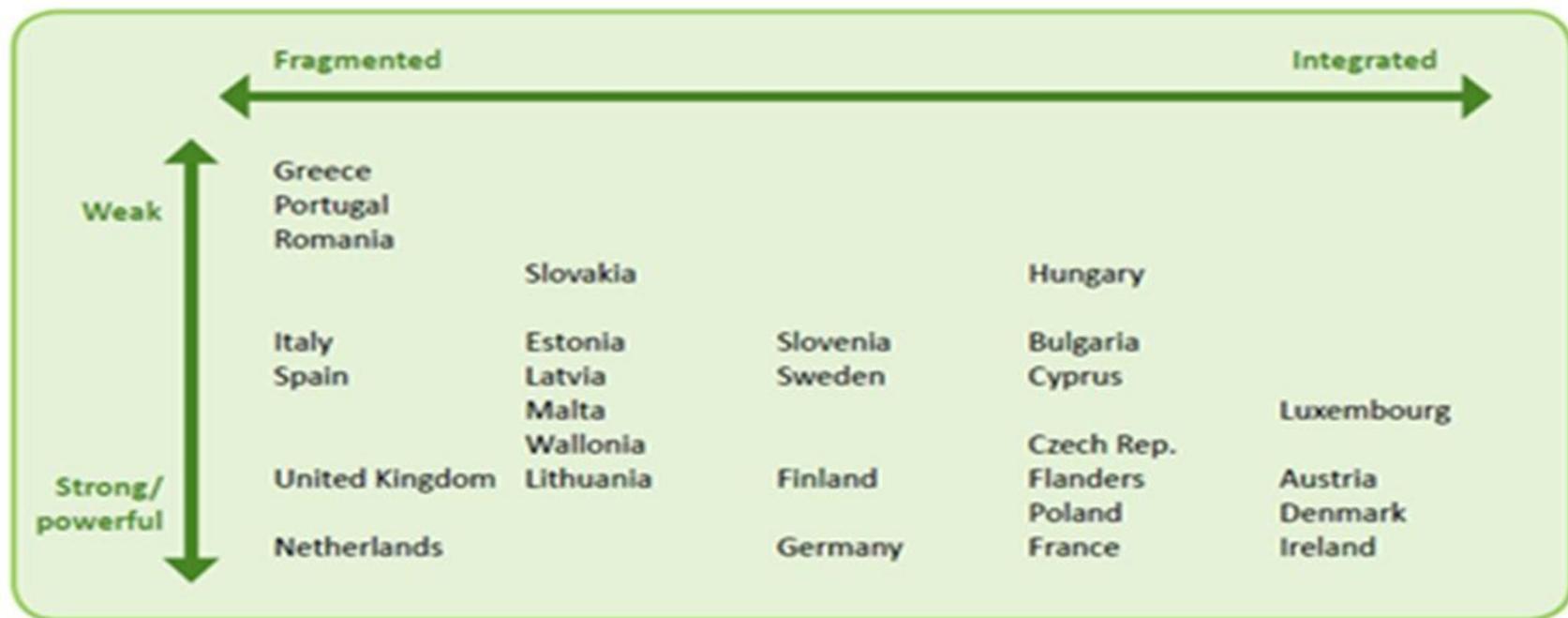


THE 9 COMMON OBJECTIVES



PROAKIS study: Characterising MS' AKIS

An overview (as of 2014)



Provisions on modernisation in the CAP Plan Regulation

**From funding innovative projects.....
.....to a whole innovation ecosystem**

CAP Strategic AKIS Plans (Art.102 on modernisation)

The CAP Strategic Plans shall contain:

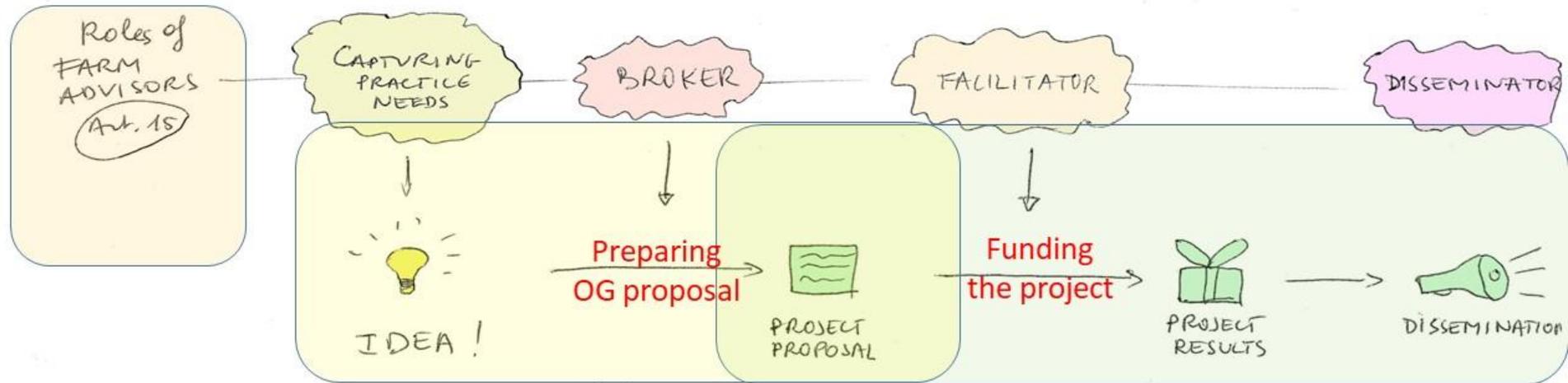
1. Their contribution to the cross-cutting general objective related to fostering and sharing of knowledge, innovation and digitisation, notably by describing:
 - **The organisational set-up** of the (*existing*) **AKIS** (=> *SWOT*)
 - How **advisors, researchers** and **CAP networks** will work together **within the framework of the** (*future*) **AKIS**, and
 - **How advice and innovation support services are provided**
2. A description of the strategy for the **development of digital technologies** in agriculture and rural areas

CAP AKIS Plans: potential to strengthen AKIS by:

(SWG SCAR-AKIS Athens, Tallinn) <https://scar-europe.org/index.php/akis-documents>

1. **Enhancing knowledge flows and strengthening links between research and practice:** incentivise researchers for their impact beyond academia, e.g. in their careers, by making practice ready outputs, meet practitioners frequently/thematic events, organise on-farm demonstrations where farmers and researchers meet and talk, education for researchers on interactive innovation approaches etc
2. **Strengthening farm advisory services within MS' AKISs:** capturing and sharing farmers' needs, acting as innovation brokers/facilitators, participating in and sharing knowledge from OG innovative projects, advisors' training and thematic events to update knowledge, cross-visits (learning peer-to-peer), spend time with researchers,...
3. **Incentivising interactive innovation projects (OGs, H2020 MA):** help connecting actors, facilitating cross-border and transnational calls/knowledge exchange, establish innovation support services to develop projects and capture farmers' foresters needs and innovative ideas, support intergenerational renewal by experts' collaboration...
4. **Support digital transition in agriculture:** EIP OGs on digital innovation, build and use repositories with agricultural data for multi-purposes, digital skills development,...

New roles for farm advisors in interactive projects



Farm advisors/innovation support services' role in interactive innovation processes:

- Capture practice needs
- Broker to set up interactive innovation projects
- Facilitate interactive innovation projects
- Disseminate newly generated knowledge
- +

How can CAP networks help strengthening innovation and knowledge exchange on all 9 CAP objectives?

1. Collecting and sharing outcomes of 3200+ EIP OGs from current CAP
2. Collecting and sharing outcomes of 180 H2020 multi-actor projects + Horizon Europe
3. EIP website + knowledge reservoirs being prepared under H2020
4. **Connecting OGs with Horizon** projects = great added value
5. All this **material provides great input for local AKIS actors** (farmers, advisors, businesses, researchers,..): training for advisors and farmers, peer-to-peer events, website, e-learning, ISS etc
6. Organising **events to link and network AKIS actors** for future cooperation
7. **Start now**, already testing future interventions and **brainstorm in AKIS coordination platforms**

Handover AKIS4 report to Commissioner Hogan on 26 Sep 2019

How can we get farmers & rural communities the information & advice they need to build a modern, innovative & sustainable future? The 4th Agriculture Knowledge & Innovation Systems report is a great place to start! An important moment for the [#FutureofCAP europa.eu/my44Tp](https://europa.eu/my44Tp)

Tweet vertalen



Follow

Today, @PhilHoganEU welcomed the 4th report on agricultural knowledge and innovation systems (AKIS)!

We should involve all actors, from farmers to researchers, in developing knowledge and innovation. This is the only way we can meet today and tomorrow's challenges!

[#FutureofCAP](https://twitter.com/hashtag/FutureofCAP)





Thank you!

Weblink to the SWG SCAR AKIS report:

https://ec.europa.eu/info/news/knowledge-and-innovation-unlocking-potential-food-and-farming-2019-sep-26_en

The online EIP-AGRI network

1
website

3
social media
channels

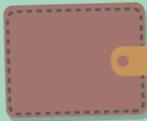
1
news
letter



7800
newsletter
subscribers



3058
LinkedIn
followers



5713
Twitter
followers

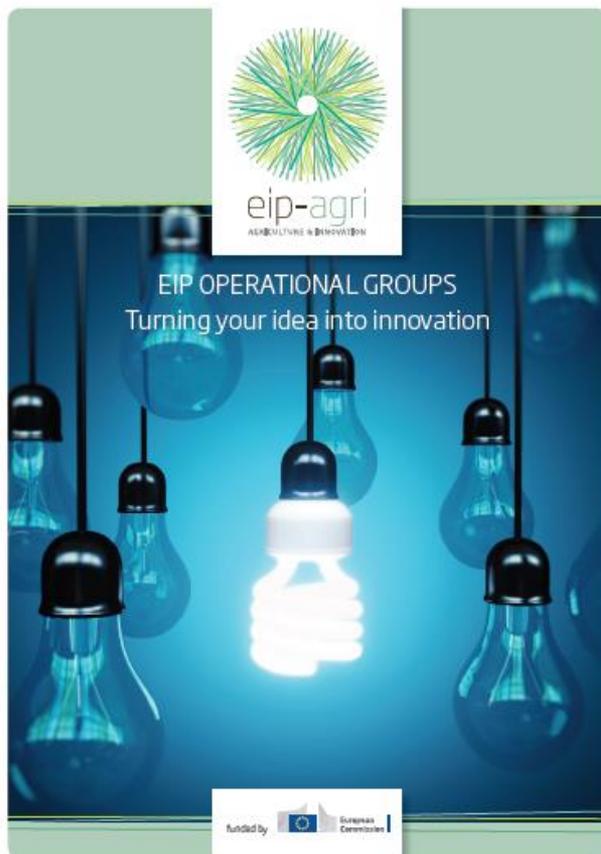


12.749
unique web visits
September 2019



***Innovation is: an idea put into
practice with success !***

***To an
„Agriculture of Knowledge“***



More information and events:

www.eip-agri.eu

[https://ec.europa.eu/eip/agriculture/
en/news-events/events](https://ec.europa.eu/eip/agriculture/en/news-events/events)

Inge.Van-Oost@ec.europa.eu

Thank you for your attention!