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AGRICULTURE & INNOVATION

# Preparing the CAP Strategic Plans – the role of innovation networking in the Member States

## *Introduction to EIP-AGRI webinars*

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European Commission

**EIP Webinars 3,8,10 June**

**For the Green Deal & Farm To Fork,  
and for more and more other challenges:  
Research & Innovation are key enablers!**



# CAP post 2020 – 9 Specific Objectives and one enabling cross-cutting objective



# Time to step up the efforts!



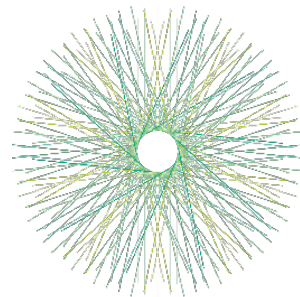
...by 2030 = 9 years = 9 growing seasons...



# CAP and Horizon Europe: working in close synergy already now

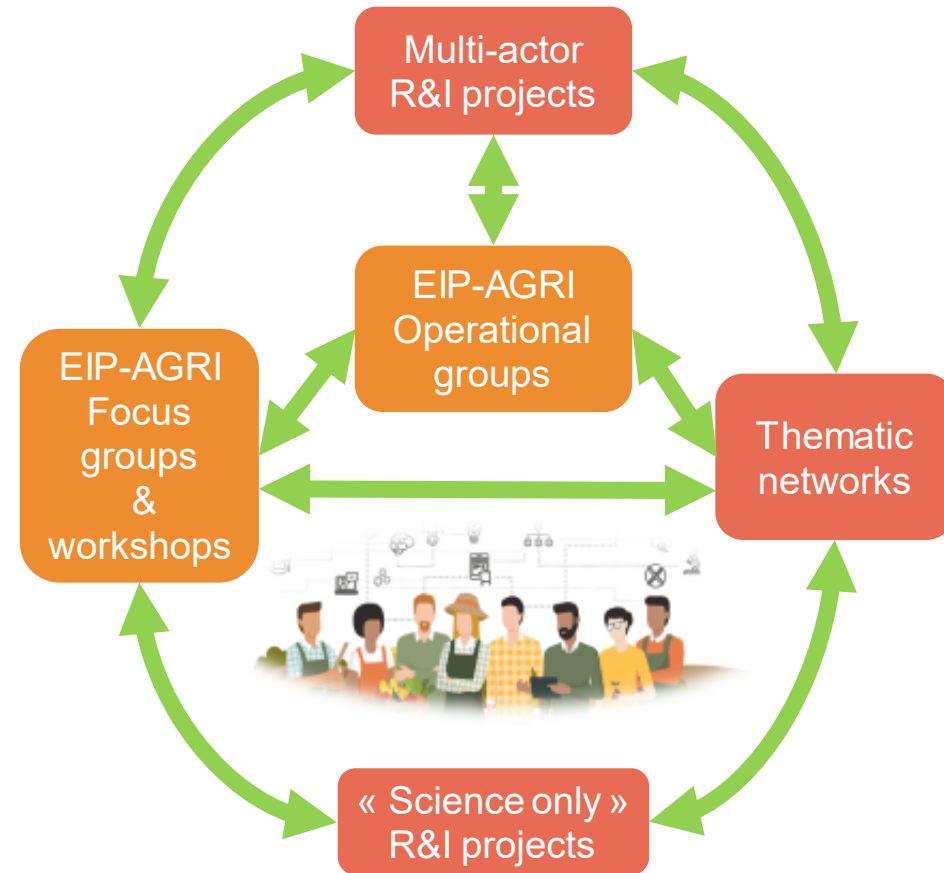


CAP



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Horizon 2020



2014

2016

Today

# From strategy to action: achievements so far



- ✓ 315 projects – EUR 1,9 billion under Horizon 2020
- ✓ 190 H2020 multi-actor projects (EUR 1 billion), including 34 thematic networks; 50% newcomers
- ✓ 27 Member States implementing the EIP; over 2000 out of 3200 OGs already running

=> A growing and thriving **network** and increasing volume of practice-oriented knowledge and innovations = a challenge to manage interaction, communication and dissemination

2014

2016

Today

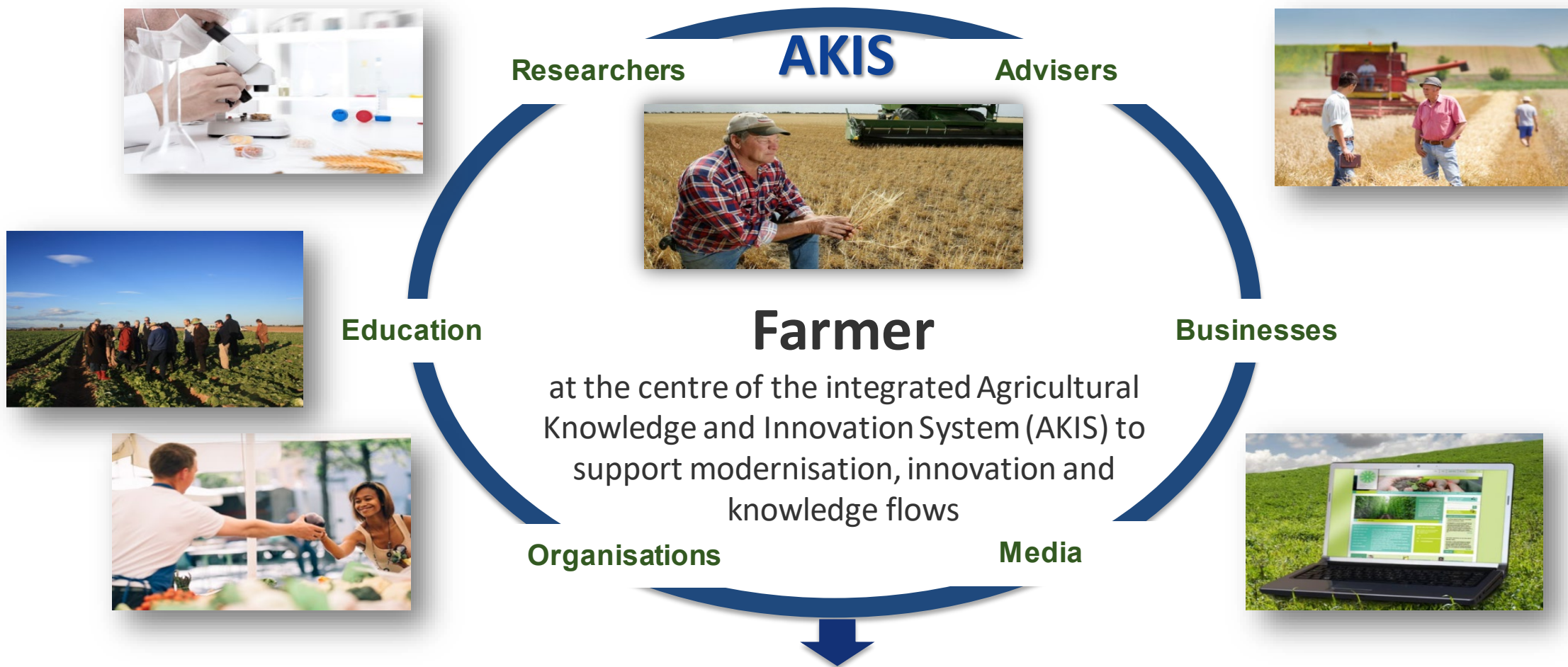
# Impressive achievements, and ..... more can be done now that the basis is there

- ✓ We can build on an improved understanding on cooperation for innovation with the **interactive innovation model**, working “multi-actor”
- ✓ **Many Member States enthusiast** and having learnt a lot
- ✓ We miss a full interactive innovation ecosystem in Member States: **knowledge exchange should become structured and regular** to constantly encourage innovation and connect and use EU outputs
- ✓ Efforts needed for **better communication and sharing of outcomes** of innovation projects and multi-actor projects and other, within the country and across the borders
- ✓ An **EU knowledge reservoir for practice** on its way to **connect** with MS



## 2. CAP post 2020

# AKIS: Why? A reinforced AKIS integrates all AKIS actors and ensures knowledge flows inside MS & across border



**AKIS coordination and structuring will bring actors together on a structured and regular basis, creating continuous interaction to speed up knowledge exchange, innovation and implementation in practice => Great support for EIP-AGRI, capturing innovative ideas for OGs**



# The CAP post 2020

- Trilogues ongoing (EP, Council, EC), but AKIS elements almost all agreed without substantial change
- The CAP Strategic Plan regulation provides many tools for AKIS, including many functions (in red) for which **the innovation strand of the CAP networks' role is very important:**
  - The AKIS strategic approach under the Cross-cutting objective: researchers, advisors and **CAP networks to collaborate more intensively** creating regular knowledge flows
  - Support for knowledge exchange and information, including advice and training, could also strategically be used **in combination with CAP network innovation actions**
  - Impartial advisors to be **integrated within the AKIS** covering all sustainability fields with **up-to-date K&I**
  - **CAP networks** to continue current **but also** need new activities for better interaction between (cross-border) EIP OGs and other AKIS actors



# 3. Why are we here today?

# Rural Networks become CAP Networks



**EU CAP Network**



**National CAP Networks**

**Innovation Strand**

# Online webinars Preparing the CAP Strategic Plan - The role of innovation networking in the Member States

- **WHY?** Raise awareness
- Develop common understanding of CAPNETs' "innovation strand"
- Help build capacity of national CAPNETs
- Exchange practical experience - mutual learning
- Harvest practical experience and make it available for all key actors in the MS

## WHO?

Managing Authorities  
NRNs  
Horizon NCPs  
Advisors



## WHEN?

3 June

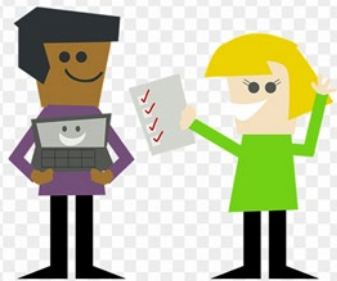
8 June

10 June

- 27 MS  
divided in 3  
groups -



REPORT

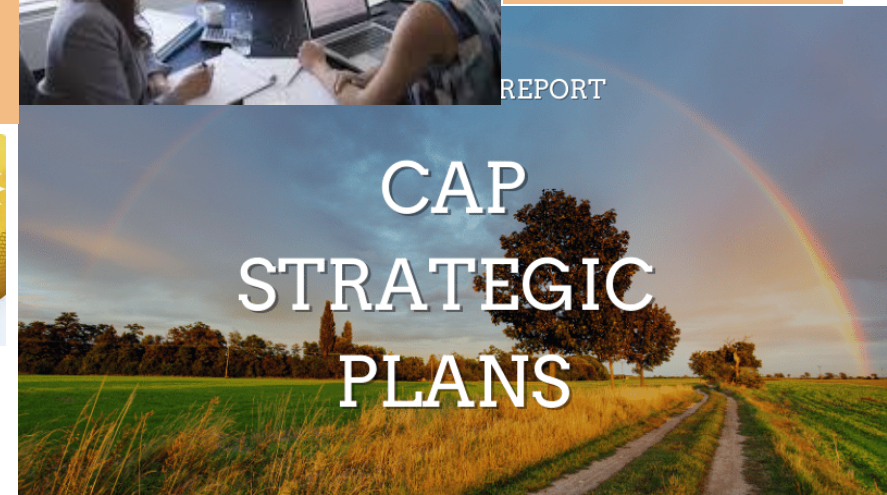


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Horizon  
Europe



CAP  
STRATEGIC  
PLANS



# Aim of the event

We believe in successful future innovation networking, to support all 9 CAP Specific Objectives. Therefore we need:

- ✓ Understanding of AKIS and of the **potential of the innovation strand of the CAP network** to improve the AKIS functioning
- ✓ Find out how to develop **better linkages** among EIP OG innovation projects, **research** and with the Horizon Europe projects, to **improve knowledge flows** within and across borders
- ✓ Integrate advisors into CAP networks, advisory and research networks, by organising more **dedicated networking activities for advisors**, to promote innovation support and knowledge exchange





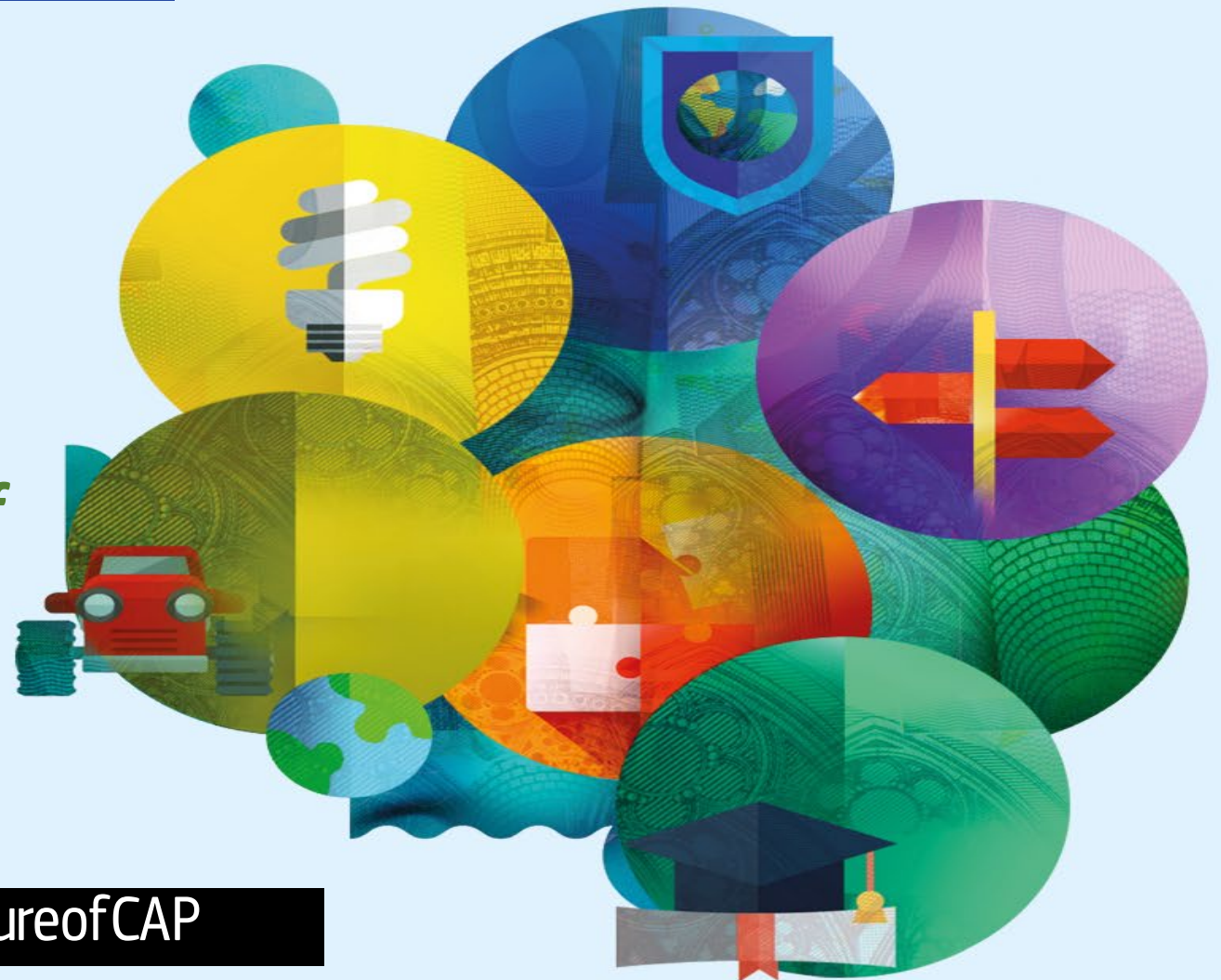
# COMMON AGRICULTURAL POLICY

Post-2020

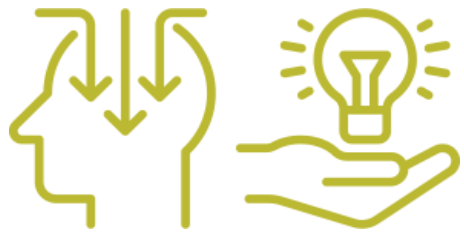
***CAP Strategic Plans post 2020:  
AKIS and the innovation strand of  
the CAP networks within the AKIS  
strategic approach***

Inge Van Oost - DG AGRI  
European Commission

Unit B2 – Research & Innovation  
3, 8, 10 May 2021 – EIP webinars



#FutureofCAP



## The AKIS at the heart of the agricultural innovation ecosystem

### What is an Agricultural Knowledge and Innovation System (AKIS)?

**What:** *AKIS is the organisation and interaction of persons, organisations and institutions who **use** and **produce knowledge and innovation** for agriculture **and interrelated fields**. (def)*

**Who:** *The main players of the AKIS are: farmers/foresters, advisors, researchers, (farmer) organisations, NGOs, networks, retailers, media, services, various ministries...: they all produce and need knowledge!*

**Why:** *The aim is to create a **regional/national innovation ecosystem** by enhancing **knowledge flows** between the AKIS players as well as strengthening links between research and practice.*

**Brief "What is AKIS":** [https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key\\_policies/documents/building-stronger-akis\\_en.pdf](https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key_policies/documents/building-stronger-akis_en.pdf)

**AKIS at the heart of the agricultural innovation ecosystem =>**

**Cross-cutting CAP support to Systematically share**

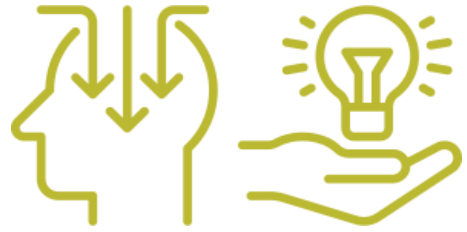
**Knowledge and Innovation in Agriculture and rural areas**

including **in whatever farming and rural activities**

**automatically relate to** (= landscape, environment, climate,

biodiversity, consumers and citizens, food and non-food

systems including transformation and distribution chains, etc)

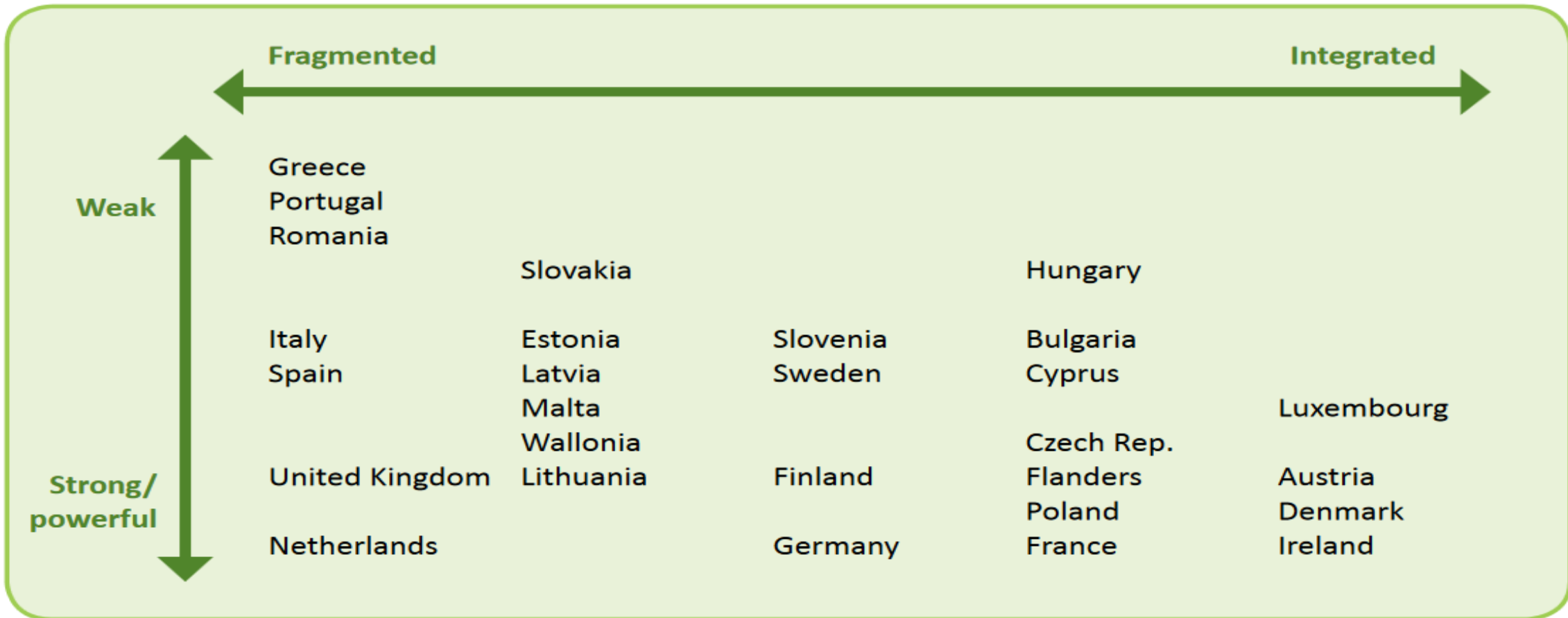


## **Where does the AKIS policy come from?**

*In their 2008 declaration, the researchers of the Standing Committee of Agricultural Research (SCAR) stated that the **classical linear research model does not function anymore** to have real impact in the field. The current CAP AKIS policy and potential interventions can make use of the current formats and experiences from MS. Experts from about 24 MS from the SCAR Strategic Working Group collected this in the AKIS4 report, and based it on their discussions and own practical experiences. In the report much about AKIS in all its aspects is explained and a long series of possible types of interventions and concrete examples given. The report is available on the Europa "Future CAP" website and is called "Report: preparing for future AKIS in Europe". You can download it here: <https://ec.europa.eu/info/food-farming-fisheries/key-policies/common-agricultural-policy/future-cap#innovation> or ask to you a paper copy*

# PROAKIS study: Characterising MS' AKIS

## An overview (2014)





# WHY AKIS? A reinforced AKIS integrates all AKIS actors and ensures knowledge flows inside Member States & across borders



**A good AKIS strategy will bring actors together on a structured and regular basis, creating continuous interaction to speed up knowledge exchange, knowledge flows, innovation and most of all: implementation in practice**



## The EIP-AGRI in short: same principles in AKIS



- The EIP-AGRI applies an overarching "*Open innovation*" concept based on the **interactive innovation model** (applied in RD Operational Groups and H2020 Multi-Actor projects):

Collaboration between various actors to make **best use of complementary types of knowledge** (scientific, practical, organisational, etc) in view of **co-creation** and **quick spreading** of solutions/opportunities **ready to implement in practice.**

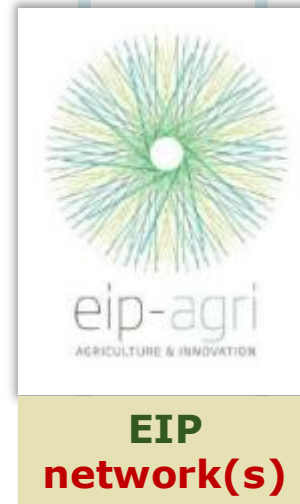
- **EU wide EIP network** linking actors: communication, partnering, dissemination, knowledge flows and collecting practice needs (*Open science*)

# Connecting policies: the bigger EIP picture: How to find each other? => AKIS needed

**CAP/Rural development**  
(regional/national level)



- ✓ **OG preparation**
- ✓ **OG projects**
- ✓ **Innovation support services**



**Research projects**  
**Multi-actor projects**  
**Thematic networks**  
(interactive innovation)



**Involvement of OGs**  
**is strongly**  
**recommended**



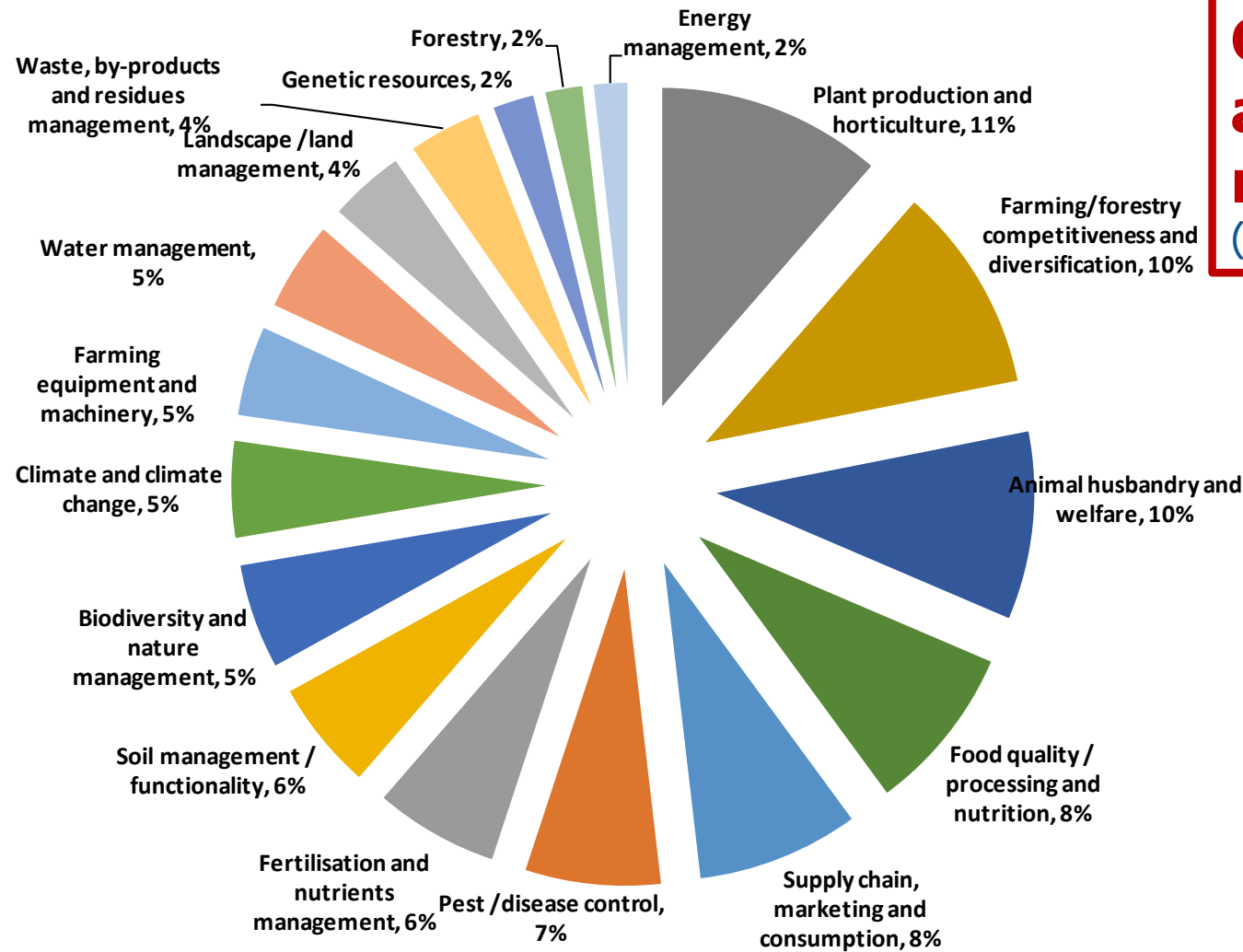
**Unique EU knowledge repository**  
**of contacts and practice abstracts**

**Spread**  
**the results**



# A wide variety of OG project subjects:

Green Deal 'avant la lettre': already about 65% of OGs on environmental-climate issues



**OG projects even act as a test bed for CAP measures**  
 (see IE example - EIP seminar Sep 2021)

## Focus on environment & climate (65%)

- Sustainable pest/disease control
- Smart fertilisation / Soil quality
- Animal and plant health
- Supply chain innovation
- Biodiversity management
- Organic farming productivity
- Digital-based solutions
- ...and more

Source: European Commission – official data in SFC (May 2021)

Note: dissemination obligation only after the project finished, so not all running projects are included

**From EIP-AGRI 2014-2020  
to AKIS Strategic Plans post 2020 &  
Green Deal relevance:  
We need continuation + change....**





# Provisions on modernisation in the CAP Strategic Plan Regulation post 2020

**Funding innovative projects.....**

**.....will now be supported by a whole  
innovation ecosystem systematically  
interlinking people and projects (AKIS)**





# THE 9 COMMON OBJECTIVES

INCREASE COMPETITIVENESS



REBALANCE  
POWER IN FOOD CHAIN

ENSURE  
VIABLE INCOME



CLIMATE CHANGE  
ACTION

**Cross-cutting objective  
KNOWLEDGE & INNOVATION**

THE 9  
**CAP**  
OBJECTIVES



ENVIRONMENTAL  
CARE

RESPOND TO CITIZENS'  
CONCERNS in terms of  
FOOD & HEALTH  
QUALITY

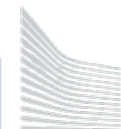


PRESERVE  
LANDSCAPES  
& BIODIVERSITY



SUPPORT  
GENERATIONAL RENEWAL

VIBRANT  
RURAL AREAS



European  
Commission

# AKIS in CAP Strategic Plans (Art.102)

The CAP Strategic Plans shall contain:

1.Their contribution to the cross-cutting objective related to fostering and sharing of knowledge, innovation and digitalisation, notably by describing:

- **The (future) organisational set-up of the AKIS:** *which organisational improvements needed? (SWOT)*
- How advisors, researchers and CAP networks will work together within the framework of the (future) AKIS, and
- **How advice and innovation support are provided**

2.A description of the strategy for the development of **digital technologies** in agriculture and rural areas

# Overview of relevant provisions for modernisation, innovation and digitalisation

**Art 5**  
**Cross-cutting objective** of modernisation, knowledge sharing, innovation and digitalisation



**Strategic approach to plan CAP interventions**

**Art 102** Modernisation in CAP Strategic Plans:  
Well-functioning AKIS:  
research + advisors + CAP networks +... working together ....and digitalisation

**Tools = targeted CAP interventions to support the strategy:**

**Art 72**  
**Funding** for knowledge exchange, advice and information

**Art 71**  
**Cooperation:**  
**Funding** for preparing and implementing EIP OG projects

**Art 13**  
Details on Advice and Innovation support to be given

**Art 114**  
Details on EIP and OGs,  
Interactive innovation model

Intervention shall only be CAP funded if « based on and consistent with » the AKIS strategy

**Art 113**  
CAP networks:  
Fostering innovation and knowledge exchange

# Potential actions related to AKIS Strategic Approach

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, interlink and make use of knowledge reservoirs for practice, digital skills development,...

# Main AKIS action points post 2020 CAP at MS level:

**CAP networks, impartial advisors and researchers at MS level to improve collaboration within the AKIS for increased innovation and knowledge flows:**

## **1. MS' CAP networks** tasks and objectives:

- Provide for more **learning (=filtering, translating, summarizing)** from all 3000 EU OGs and MA projects on EU EIP website => knowledge exchange **among MS**
- Organize a variety of knowledge events between in your country between AKIS actors **including all** in the knowledge-exchange and knowledge-building process
- Be more active on **linkages between OGs and the Horizon Europe projects:** capture the results and added value of the policy at European level (HE NCPs)
- **Foster innovation: support to OGs within the MS and across borders**

**2. Researchers** to be **more closely involved in the AKIS:** (inter)acting on farmers' needs/opportunities, and to be rewarded to do so. Researchers to join specific "multi-actor" activities and publish for practice and advisors' back-offices too. "Partnership agreement" of Agri Ministries in particular with research and innovation ministries.



# Main AKIS action points post 2020 CAP at MS level:

- 3. More, more frequent and more diverse EIP Operational Group calls** because **EIP now covers all 9 CAP specific objectives**: mixing bottom-up calls with thematic calls to have a “**family of EIP measures**” (e.g. OGs on bottom-up grassroots ideas + on specific environmental challenges, on piloting digital tools & measures, on social innovation). Also initiate **cross-border OGs** and the possibility for collaboration between OGs (national CAP network task in coordination with the Man. Authority).
- 4. Advisors** to become **more competent** on economic, environmental and social issues & up-to-date knowledge and innovation. **Simplification** of the administrative system for advisors: no more rules on certification or public procurement, **transparency** via public website on the advisors available, vouchers. MS must have **impartial** advisors and **innovation support services**.  
**The AKIS system must integrate all** advisors, public and private: no more silos or separated FAS (Farm Advisory System). Holistic and interactive advice, **mobility** budget for advisors.

# Strengthening farm advisory services within the AKIS



Setting up of farm advisory services (Art 72): e.g. mobile advisory units and measurement tools can help advising



# Main AKIS action points post 2020 CAP at MS level:

**5. A financial envelope** is needed in a globally more commercialized, world full of public good related challenges, **to protect public knowledge & knowledge flows, and incentivize publicly shared innovation => AKIS.**

- **emerging knowledge reservoirs at national level, national thematic networks**
- **public back-offices (“knowledge hubs”)** with **specialist advisors** closely interacting with field advisors, research and CAP networks
- National and EU **advisory networks**
- **Public digital advisory tools** reducing maintenance costs: H2020 project Fairshare
- Face-to-face multi-actor thematic events, on farm demonstrations etc.
- **Soft ways** also improve knowledge flows e.g. **co-location of research, advice and networks** (+education, farmers' organization, food cluster, etc.): co-location is cheap, efficient and informal



# Main AKIS action points post 2020 CAP at MS level:

## 6. An AKIS coordination body (part of the MA) should

- **Follow up overall progress** on the AKIS strategic approach, interlinking regularly to be supported by the (many) AKIS platforms and networks in the MS, and of course with the innovation strand of the CAP network
- **Interconnect the regional AKIS** and their coordinators and related networks
- Seek **which interventions work** well and which may need improvement: connect with the involved actors and fine-tune where you can. Interact with the Managing Authority on **CAP plan modifications if needed**. A CAP plan is not static: each year (justified) modifications are possible (as in the current Rural Development Plans)
- Take responsibility in the new delivery model for **reaching targets and result indicators**, by informal contacts and regular monitoring and evaluating actions
- **Find new ideas for AKIS interventions**, supported by the networking between Member States in the 2021 Horizon Europe AKIS project. Don't stick to M1, M2 and M16
- **Be the spider in the AKIS web of your country !**

## 2 main instruments for future AKIS:

1. **Innovation support service** –  
"Innovation hub" Art 13(4)
2. **Back-office for advisors** –  
"knowledge hub"

section 4.2 of the SCAR AKIS 4 report

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### More info:

- An animated infographic on innovation support services:  
<https://www.youtube.com/watch?v=pTV6kLH0ykg>
- A practical example of an innovation support service on page of the SWG SCAR AKIS report **page 105-106**:  
[https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key\\_policies/documents/report-preparing-for-future-akis-in-europe\\_en.pdf](https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key_policies/documents/report-preparing-for-future-akis-in-europe_en.pdf)
- Brochure on innovation support services:  
<https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-brochure-innovation-support-services>





# What post 2020 ?

Jean  
Monnet  
Father of Europe

12/05/1954



“Ce qui nous arrête, c’est la peur du changement. Et pourtant, c’est du changement que dépend notre salut”

**“What stops us is the fear of change.  
And nevertheless, it is on change that our  
salvation depends”**

# The CAP post 2020 – state of play

- Trilogues ongoing (EP, Council, EC), but AKIS elements almost all agreed
- **The CAP Strategic Plans regulation provides many tools for AKIS:**
  - Cross-cutting objective (Art 5)
  - Farm advice (Art. 13): MS must have impartial advisors integrated within the AKIS covering all sustainability fields with up-to-date K&I
  - Support for knowledge exchange and information (Art. 72), including for advice, demo and training coherent with the AKIS strategic approach described in Art,102
  - CAP networks (Art. 113)
  - EIP OGs (Art. 114)
- **CAP Strategic Plans** to be submitted formally to the Commission by 1/1/2022

# CAP post 2020 – AKIS, EIP, advice and innovation – negotiations (1)

MS are overall happy with Commission proposal, including:

- Continuation of support for preparing and implementing OG innovative projects, as well as for EIP networking (Art 113,114)
- **State Aid derogation** for all OGs published in June-July 2021, and immediately in force
- **Advance payments** up to 50% and **80% EAFRD funding** instead of the usual 43% for other measures, such as the cooperation measure
- **Principles of interactive innovation now explicit in regulation (idem 2014 EIP guidelines), can serve as common selection criteria for instance for cross-border OGs:**
  - 1) focus on practical farmers' needs
  - 2) co-creation and co-decision all along the project
  - 3) complementary knowledge in the OG necessary: farmers' involvement is key

(identical as those for Multi-actor approach, Horizon 2020 WP page 11-13, and Horizon Europe)

=> Do not underestimate the entrepreneurial creativity of farmers in OG projects for innovation, e.g. IE example of an OG testing and preparing an Agri-Environmental measure (AKIS report: see box page 63)

# CAP post 2020 – AKIS, EIP, advice and innovation – negotiations (2)

- EIP OG projects now cover all CAP objectives
- Obligation to integrate and **update advisors' competences through connections within the AKIS** (Art 13), e.g. on up-to-date R&I and economic, ecological and social domains
- **Obligation and funding to provide innovation support** (Art 13)
- Broad CAP support for almost **any type of knowledge exchange and advice** (Art 72)  
↔ limitations in former FAS, and in Art 15 advisory support in current RD regulation

## A number of further improvements since June 1018:

- Art. 3: **definition of AKIS**: including whatever farming and rural activities automatically relate to (= environment, climate, landscape, biodiversity, consumers and citizens, food and non-food systems including transformation and distribution chains, ...)
- Art 72: **coherence** btw support for knowledge exchange & advice and AKIS strategies
- Art. 114: introduction of **funding cross-border OG projects** (as from the start)
- Art.113: introduction of the **possibility for existing OGs to cooperate**,  
funded by Technical Assistance or Art 72 => CROSS-FERTILISATION

# Info: EIP Seminar on AKIS strategies in CAP Strategic Plans

16-18 September 2020 (the full seminar was recorded and can be seen again)

<https://ec.europa.eu/eip/agriculture/en/event/eip-agri-seminar-cap-strategic-plans-key-role-akis>

- Inspiration from an experienced **innovation support service**, followed by a **panel discussion on AKIS policy**.
- Opening speeches from **Commissioner Polish Ministers of Agr.**, one very inspiring and **Rural Inspiration Award OG** + an **overview on the basic elements of AKIS + Q&A**.
- Section on advice: intro + 3 diverse examples of **advisory services**
- Section on role of the **national CAP network for innovation**, again with good examples
- **Online discussions** which happened in the weeks before the seminar (on advisory services, on CAP networks and on the CAP plans), summarised by **Mark Gibson**
- **10 good examples of nice AKIS interventions**
- **4 Member States presenting their CAP plans**, already full of content
- after the breakout sessions, **our Director General Burtscher** closed with a very nice **summary on the interactive discussions** and expresses how he sees the future & AKIS.





SWG SCAR AKIS 4 report [https://ec.europa.eu/info/news/knowledge-and-innovation-unlocking-potential-food-and-farming-2019-sep-26\\_en](https://ec.europa.eu/info/news/knowledge-and-innovation-unlocking-potential-food-and-farming-2019-sep-26_en)

See in particular sections 1.2 What is AKIS?, 1.3 Multi-actor projects, 1.4 national thematic networks, 1.5 possible actions for CAP AKIS Strategic Plans)

and chapter 4 (Advisors and advisory instruments and functions)

EIP-AGRI website <https://ec.europa.eu/eip/agriculture/en>

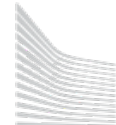
# Speeding up knowledge exchange and innovation



**Thanks for your attention**

Inge Van Oost – DG AGRI Unit B.2 – Research and Innovation

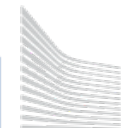
[Inge.Van-Oost@ec.europa.eu](mailto:Inge.Van-Oost@ec.europa.eu)



European  
Commission



# Questions?



European  
Commission



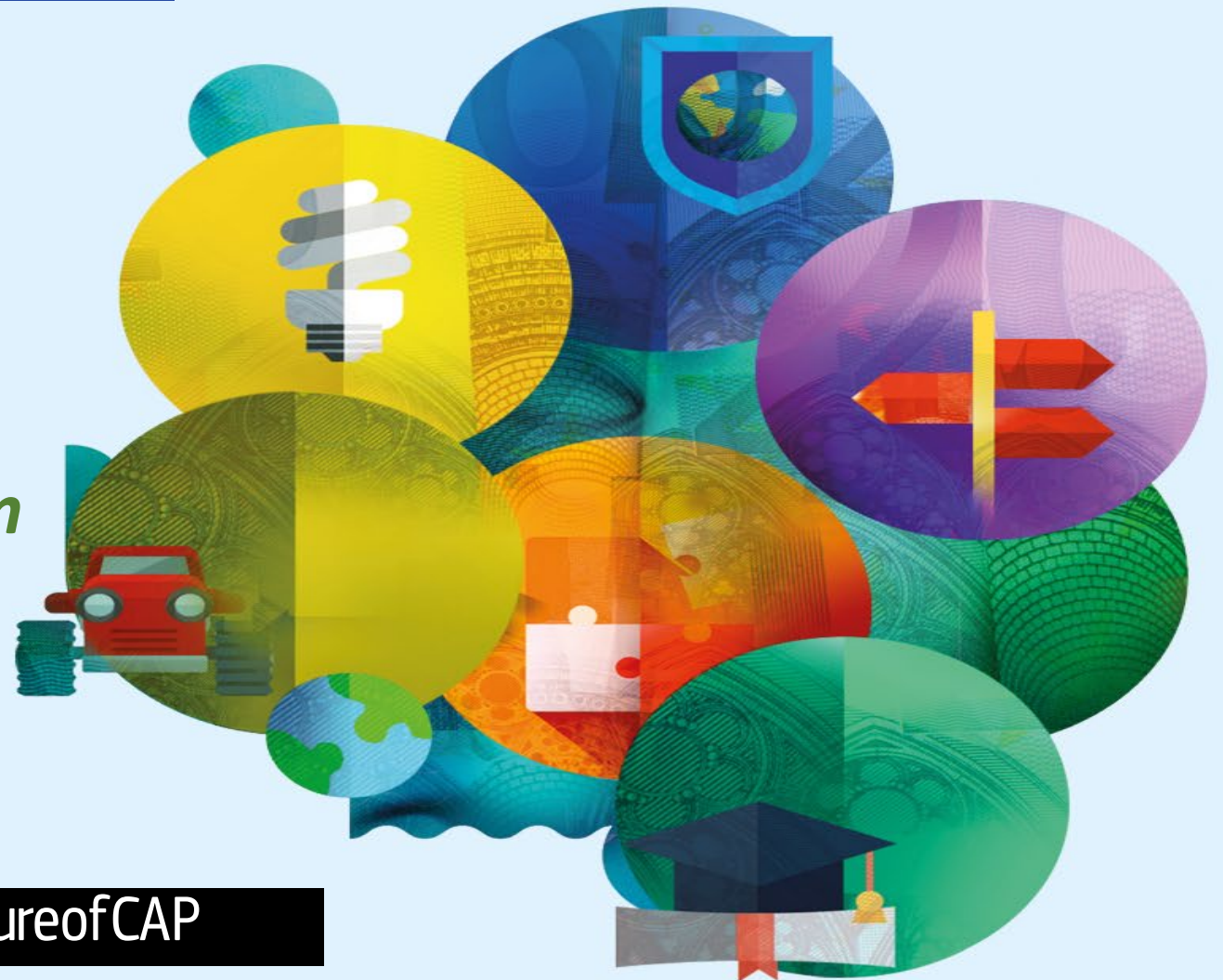
# COMMON AGRICULTURAL POLICY

Post-2020

***CAP Strategic Plans post 2020:***  
***1. Role of the CAP networks and in particular their innovation strand in the AKIS strategic approach***

Inge Van Oost - DG AGRI  
European Commission

Unit B2 – Research & Innovation  
3, 8, 10 May 2021 – EIP webinars



#FutureofCAP

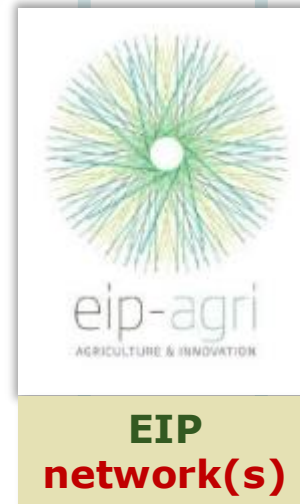


# Connecting policies: the bigger EIP picture: How to find each other? => AKIS needed

**CAP/Rural development**  
(regional/national level)



- ✓ OG preparation
- ✓ OG projects
- ✓ Innovation support services



Research projects  
Multi-actor projects  
Thematic networks  
(interactive innovation)



**Involvement of OGs  
is strongly  
recommended**



**Unique EU knowledge repository  
of contacts and practice abstracts**

**Spread  
the results**





# Summary: 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, education, trainers, media, businesses, researchers,..): training for farmers and for advisors, peer-to-peer events, demonstrations, website, e-learning, ISS etc
6. Organising **events to link and network AKIS actors** for future cooperation
7. **Start now**, already testing future interventions under current period and **brainstorm in AKIS coordination platforms**

# Further examples and ideas for CAP AKIS Strategic plans of MSs as collected in the AKIS 4 report

section 1.5 of the SCAR AKIS 4 report



## Enhancing knowledge flows within the AKIS and strengthen links between research and practice

- Further development and better funding of the EIP CAP networks: Member States' CAP networks should **filter, summarize and translate (!!!) all info relevant for their country** about OGs, H2020 MA projects, other relevant EU or national (research) projects (source: material on EIP website: practice abstracts, videos, photos, links to useful websites and projects etc.).
- Create knowledge centres, platforms and digital knowledge reservoirs
- **Specific incentives for researchers** very much needed: share results easy understandable in **dissemination channels for farmers**: make agreements with Ministry of Research or Innovation on how tasks can be shared
- **Funding**: Technical Assistance fund & Art 72 for actions and national

# Enhancing knowledge flows within the AKIS and strengthen links between research and practice

- **National thematic networks** can deliver for training and education (see 1.3), while also interlinking a mix of actors. Organise bottom-up calls and do efforts to disclose the needs of farmers, be it in group or one-to-one (role of advisors): regular **face-to-face** exchange **thematic events**,...
- **CAP networks** should organize on a regular basis meetings between research, farmers and advisors: Researchers to share their work with practice, learn researchers to work interactive
- **Soft ways** can improve knowledge flows e.g. co-location of research, advice and networks (+education, farmers' organization, food cluster, etc.): co-location is cheap, efficient and informal



# Help facilitating interactive innovation projects

- CAP networks can incentivize thematic work as well as bottom-up brokerage: very regular events if **continuous OG calls**. Adapt your approach: possibly a **set of calls**: a bottom-up call & further thematic or "suggestive" calls
- Enable support (and paying of) farmers, advisors or other **intermediate persons** (professional communicator, facilitator,..): peer to peer learning is key and facilitating between different types of actors very helpful: inform OGs
- CAP networks and knowledge reservoirs can help facilitate **cross-border OGs** (within one country and between countries): common timing and common criteria
- **Ensure a substantial budget for communication** in each project and for dissemination in various ways, **use existing channels** which are most used
- **Peer-to-peer learning**: organize cross-border visits for OGs or for specific actors who can incentivize (ISS, advisors, farmers' groups, ...)



# Further ideas to encourage interactive innovation projects

- Involve actors from education and young people/young researchers in preparatory events
- Speed dating, hackatons
- Reflect on a "before" life (platforms where actors regularly meet, funding for preparation) and an "after"-life (connect with other OG/MA projects)
- Design e.g. a specific fund for after-project communication of innovative projects. We still not share enough the results of OGs.
- Ensure sufficient coordination within MS and ensure that learning from each other (e.g. other regions!) is possible. Create AKIS networks



## Support digital knowledge exchange and interaction

- Set up **platforms to discuss how to manage** the digital **transition** to connect with research, find the most urgent needs (Austria)
- Help to organise **training on digital skills** for farmers, advisors etc
- Build **knowledge reservoirs** that are interactive, interoperable and quality checked (eg LT, EURAKNOS),
- **Use common standards and languages** across the EU (EUREKA paper)
- Organise sharing of **digital advisory tools**, reducing the maintenance cost
- Work with **social media** to inform on plans, events, outcomes of OGs
- Produce online educational material (e-learning) on innovative results of OGs and of other research sources

# Use Communication material from the EIP-AGRI at EU level: filter, translate, and spread knowledge from abroad

- AKIS animated infographic: <https://ec.europa.eu/eip/agriculture/en/news/new-animated-video-akis-building-effective>
- Updated overview of the Focus Groups: [https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/focus\\_groups\\_state\\_of\\_play\\_november\\_2020\\_update.pdf](https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/focus_groups_state_of_play_november_2020_update.pdf)
- List of EIP-AGRI Events 2013-2020: [https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri\\_factsheet\\_overview\\_eip-agri\\_events\\_2020\\_en.pdf](https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_factsheet_overview_eip-agri_events_2020_en.pdf)
- Animated infographics: [Innovation Support Services](#), [Soil Salinisation](#), [Focus Groups](#) , etc
- [Agrinnovation magazine](#) on soil – Sept. 2020
- Monthly newsletter, press articles, Brochure on climate-smart agriculture, Thematic campaigns (social media, newsletter): animal welfare, soil, forestry, Operational Groups and new farmers



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### 1.5.3 Incentivize interactive innovation projects

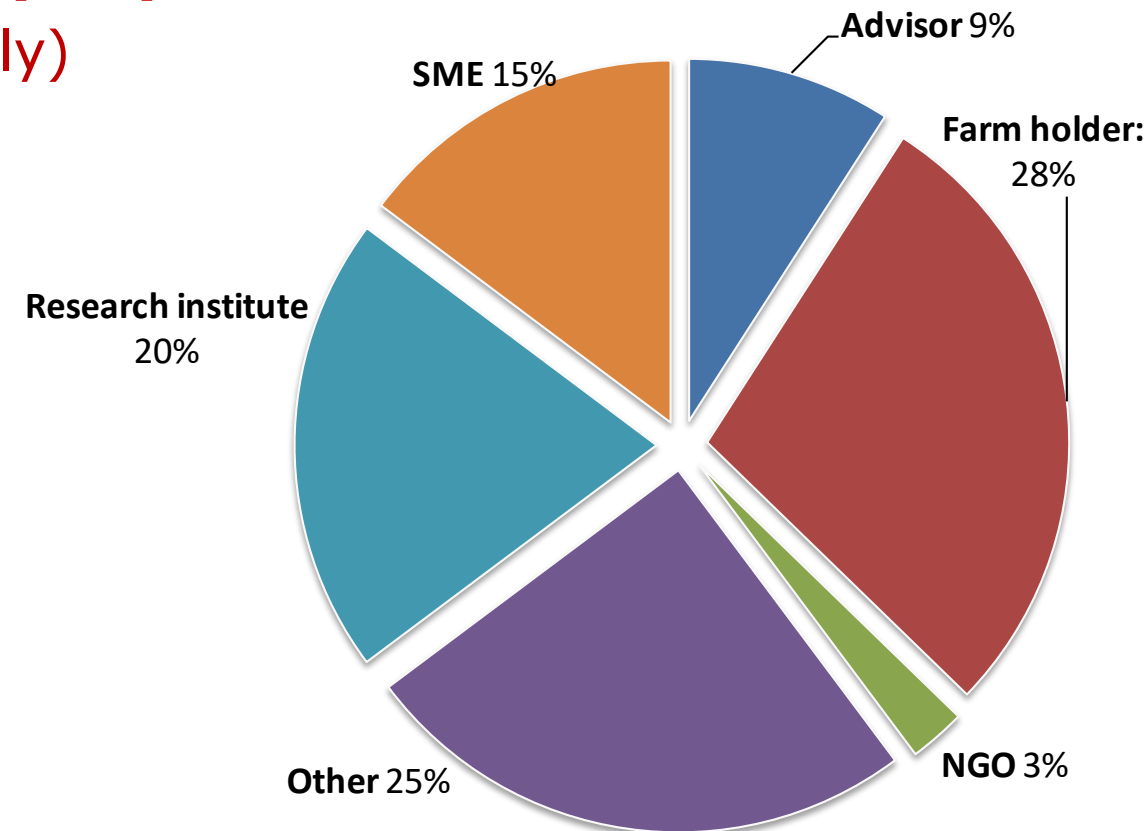
- CAP networks can organize brokerage events: very regular if **continuous OG calls**, and more thematic in case of a **set of calls** (a bottom-up call + further "suggestive" calls)
- CAP networks and knowledge reservoirs should help facilitate **cross-border OGs** (within one country and between countries): agree among countries on a similar timing and basic selection criteria (Art 114)
- **Ensure a substantial budget for communication** in each OG project for dissemination in various ways, **use existing channels** which are most trusted
- **Peer-to-peer learning**: organize cross-border visits for OGs or for specific actors who can incentivize (ISS, advisors, farmers' groups, ...)
- Ensure involvement of **advisors in EIP OGs and Horizon multi-actor** projects, and support them to take up multiple roles (see next slide)

# Main action points for OGs: CAP networks can help

**Advisors and innovation support services (ISS) should be more involved:**

now often missing in EIP OGs (9% advisors only)

Number of partners per category (% on total number of OGs):



Advisors and ISS (= inn. facilitators) can have an important role in interactive innovation processes:

- **Capture** practice needs
- **Broker** to set up OG's interactive innovation projects (obligation post 2020)
- **Facilitate** interactive innovation projects (obligation post 2020)
- **Disseminate** newly generated knowledge already during the project
- **Make bridges** between CAP and Horizon programmes as innovation support service



## 1.5.3 Incentivize interactive innovation projects

- **Involve education and young** people in building OGs: invite schools and students to the brokerage events, hakatons, ...



- Reflect on a "**before**" life (platforms where actors regularly meet, funding for preparation) and an "**after**"-life (connect with other OG/MA projects)
- Design e.g. a **specific fund for after-project** communication of innovative projects. We still not share enough the results of OGs.
- **Ensure sufficient coordination and exchange within MS** and ensure that learning from each other (e.g. other regions) is possible

## 1.5.4 Support digital transition in agriculture

- **Interlink all public data** to enable additional services, e.g. Lithuania RECAP app, Estonia GIS/LPIS based layers combining soil fertility, erosion zones, spreading harmful organisms etc, irrigation needs
- Set up **platforms to discuss how to manage** the digital transition, find the most urgent needs (Austria)
- Finance OGs on useful free of charge **digital applications and make them publicly available**, e.g. for pest management, recognising weeds, etc
- Organise **training on digital skills** for farmers, advisors etc
- Build **knowledge reservoirs** that are interactive and quality checked (eg LT, EURAKNOS), and **use common standards** as much as possible
- Share **digital advisory tools**, reducing the maintenance cost

# Building and linking AKISs across the EU

*Speed up creativity and  
practice application*

*Better connectivity and  
quicker circulation of  
information*



# Speeding up knowledge exchange and innovation 2.0



**Thanks for your attention**

Inge Van Oost – DG AGRI Unit B.2 – Research and Innovation

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# Questions?

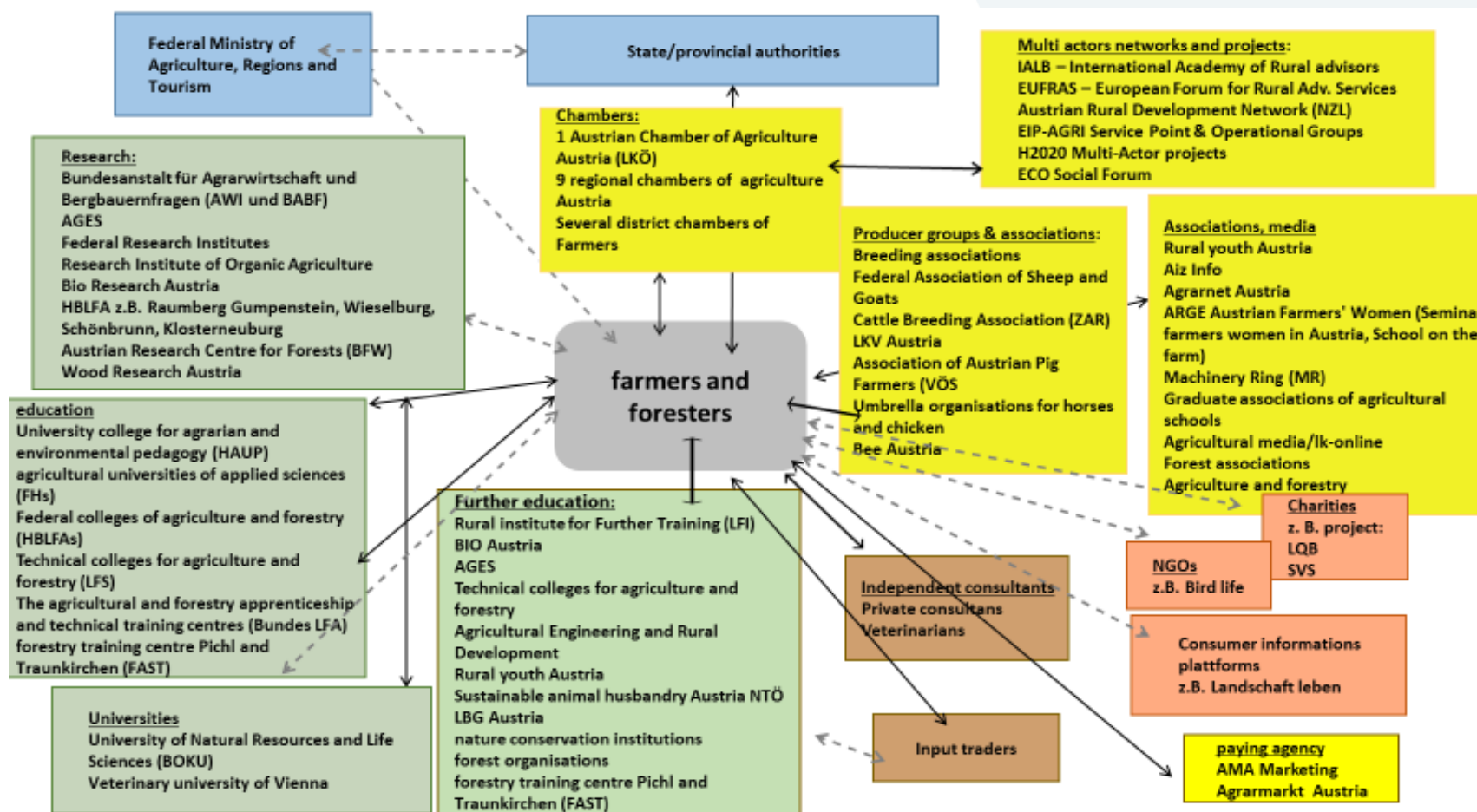
# Preparing the CAP Strategic Plans

## AKIS in Austria

*“Experiences, current situation & first considerations for the future.”*

Michaela Schwaiger  
BMLRT  
Vienna, June 2021

# AKIS – Austria (current structure, overview)



# SWOT-Analysis (Cross Cutting Objective/AKIS)

## Strengths

- + **The Austrian AKIS** is functioning rather well;
  - + Improvements still possible
- + **Well known participants** (farmers & their associations, Chambers of Agriculture – advisory service, agricultural research and education, universities, federal ministry and regional administration, National Rural Network, EIP-AGRI, paying agency, private advisors,...)
- + Frequent and regular **interaction**
  - + Meetings, seminars/webinars, further training
  - + Annual work programme (research institutes of the ministry)



# SWOT-Analysis (Cross Cutting Objective/AKIS)

## Weaknesses

- Little **integration** of research institutes
  - Established research and testing – access for farmers is possible, but needs better organisation
- Difficulties in disseminating recent **scientific developments**;
  - „translation“ of study results for practical purposes is needed
- **Exchange** with farmers regarding pending questions in need of scientific solutions
  - Regular exchange between farmers and scientists to raise specific questions (bottom up approach)

**Conclusion** (needs assessment): better structured and organised **cooperation**

## Planned Interventions

- Article 71 (Cooperation)
  - **Innovation:** continuation of existing measure taking into account new developments/elements (e.g. rural innovation systems); slightly different approach regarding applications and selection criteria (simplification, art. 114); keep the „**innovation broker**“
- Article 72 (Knowledge Transfer)
  - **Farm Advisory System:** modification of the existing system established through Agricultural Chambers; integration of private advisors („advisory checks“; cooperation models for specific questions – e.g. horticulture)
  - Knowledge exchange, agriculture: projects and studies **targeting farmers**
  - Knowledge transfer, rural enterprises: off-farm projects **targeting rural population**

## CAP network for innovation and AKIS

- Several options for establishing the future **CAP network** → no final decision for the National Rural Network yet
- **AKIS**
  - Based on SWOT-analysis and needs assessment: possible projects under Art. 72 interventions
  - Aim: develop the **existing structures**, work on **better integration** of all participating groups, find one (or more) platform/tool/interface for regular and **coordinated exchange** to improve cooperation
  - Several **workshops** with the key stakeholders and partners are ongoing, organised by the current National Rural Network (NRN); gathering **ideas** and covering all positions and views
  - Still work to be done on Chapter 8 (modernisation, AKIS and digitisation) of the CAP strategic plan

## The future?



- innovative
- solid
- well structured
- connecting
- room for interaction

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Michaela.schwaiger@bmlrt.gv.at





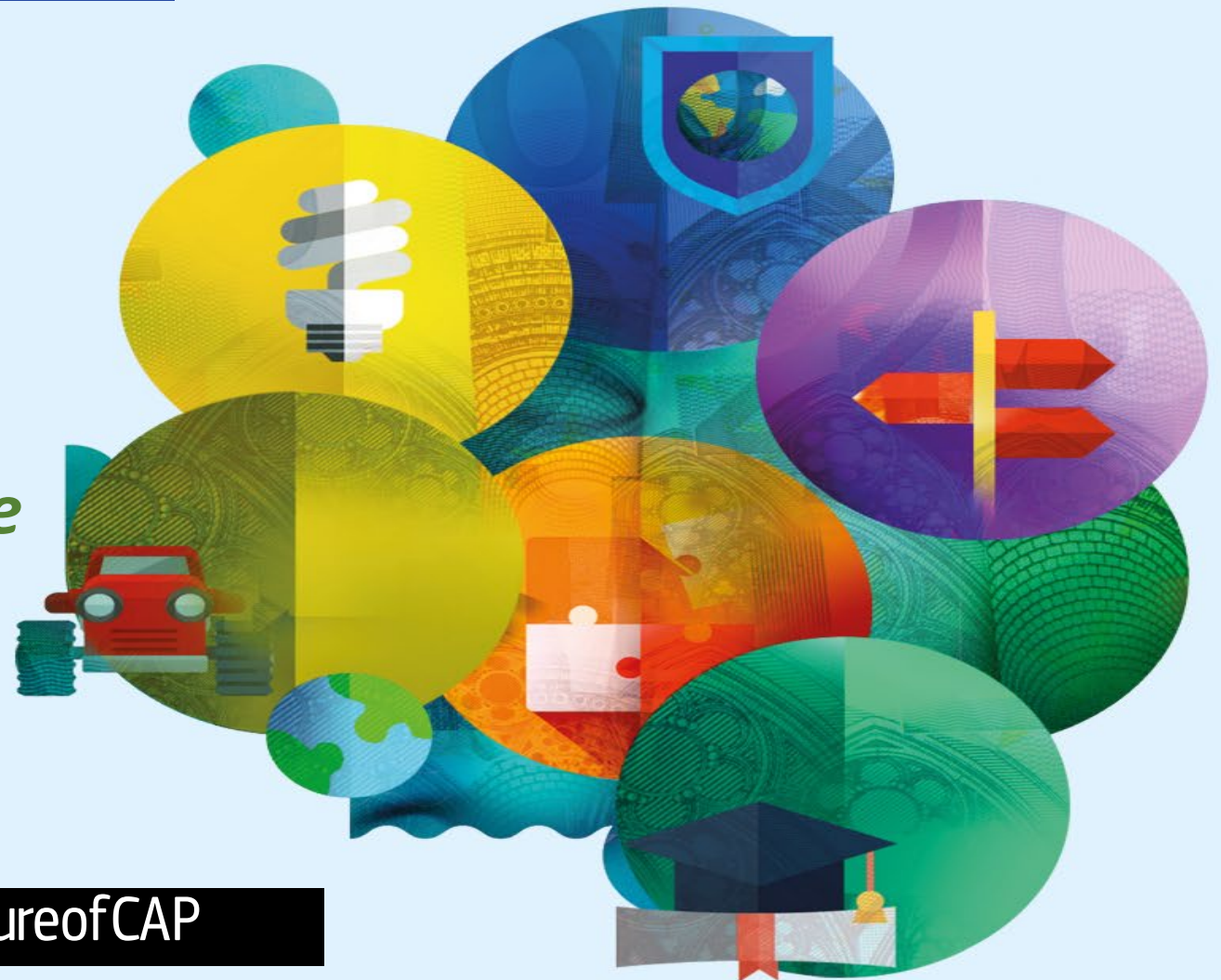
# COMMON AGRICULTURAL POLICY

Post-2020

***CAP Strategic Plans post 2020:  
2 How can CAP networks facilitate  
the integration of all advisors  
(public & private) into the AKIS ?***

Inge Van Oost - DG AGRI  
European Commission

Unit B2 – Research & Innovation  
3, 8, 10 May 2021 – EIP webinars



#FutureofCAP

# Art 13 and 72: Farm advice organised within the AKIS structures in CAP Strategic plans

✓ *Advising farmers and other beneficiaries of CAP support to be included in the CAP plans*

✓ ***All advisors shall be integrated within the AKIS in an inclusive way, to be able to cover economic, environmental and social dimensions and to deliver up-to-date technological and scientific information developed by R&I***

✓ *Advisors must be impartial and be able to provide Innovation support, in particular for preparing and implementing Operational Group projects of the EIP AGRI*



# Examples and ideas for CAP AKIS Strategic plans of MSs as collected in the AKIS 4 report

section 1.5 of the SCAR AKIS 4 report



# Strengthening farm advisory services within the AKIS

- 95% still understands advising as linear knowledge "transfer": make clear that advising should also be **listening and interactive**
- Make sure that **field "advisor"** delivers **holistic advice targeted to the farm's and farmer's context**
- No public procurement of advisors: there is no real market working
- participating in and sharing knowledge from **OG innovative projects**
- **Advisors' training** (specific amount of days obligatory per year), especially on innovative techniques and outcomes of OGs/MAA and soft skills
- Develop **tools for innovation support and advising** (e.g. digital)



# Strengthening farm advisory services within the AKIS

- Advising should be **listening and interactive**
- Deliver **holistic advice targeted to the farm's and farmer's context**
- **Advisors' training:** sufficient amount of days obligatory per year, as for other professions, especially on innovative techniques and outcomes of OGs/MAA and soft skills; make it attractive and qualitative, e.g. use of common advisory tools, back-office support for all advisors
- **Enable farmers to find the advisor which can help him best:** public registers with info on education, experience, continuous professional development, cross-border exchanges, various thematic focus, membership of advisory platforms, etc
- Invest in **tools for advising** (e.g. measurements, digital)

# Strengthening farm advisory services within the AKIS

- Linking different forms and methods of advisory work (individual advice, group advice, discussion groups, provide training, workshops, demonstration, etc.)
- Thematic or cross-cutting events to update advisors' knowledge,
- After the privatization wave, give advisory services again a public role.
- Strengthen support from the AKIS for advisors (e.g. back-office)
- Cross-visits (learning peer-to-peer from other advisors / abroad)
- Freedom for new advisory themes and instruments (e.g. whole value chain approach, bio-based chains, dialogue with society,...)
- Spend time with entrepreneurs and researchers: link innovative investments or research facilities to advice (e.g. food pilot)

## Strengthening farm advisory services within the AKIS

- **Region/country/EU wide advisory networks for all advisors** to share newly generated knowledge e.g after visits abroad (thematic networks can help)
- Support advisors' **internships and placements** in experimental research centres and training facilities, in cooperation with (inter)national partners
- **Dedicated actions to involve private advisors:** not only training but other information flows e.g. use of common advisory tools, back-office support for all advisors public and private.
- **Support digitization of advisory work:** fund establishment and maintenance cost of an IT knowledge platform, containing knowledge reservoirs, to be shared by several advisory bodies even across borders
- **Simplify** administration and avoid dense control systems, rather manage the quality of advising

## CAP networks can help integrating farm advisors within the AKIS

- **Innovation support must** be available: advisors acting as innovation brokers/facilitators, capturing needs and sharing outcomes
- **Regular interaction with researchers**, e.g. in workshops, (bi-) annual meetings, exchanges during on-farm demo, being located in the same building helps informal contacts
- **A back-office with specialist advisors** who have thematic focus (not only sectorial focus!) is the best investment to support field advisors
- Ensure regular participating in and sharing knowledge from **OG innovative projects**
- **Region/country wide advisory networks for all advisors** to share newly generated knowledge e.g from innovation projects, including from visits abroad



# Strengthening farm advisory services within the AKIS



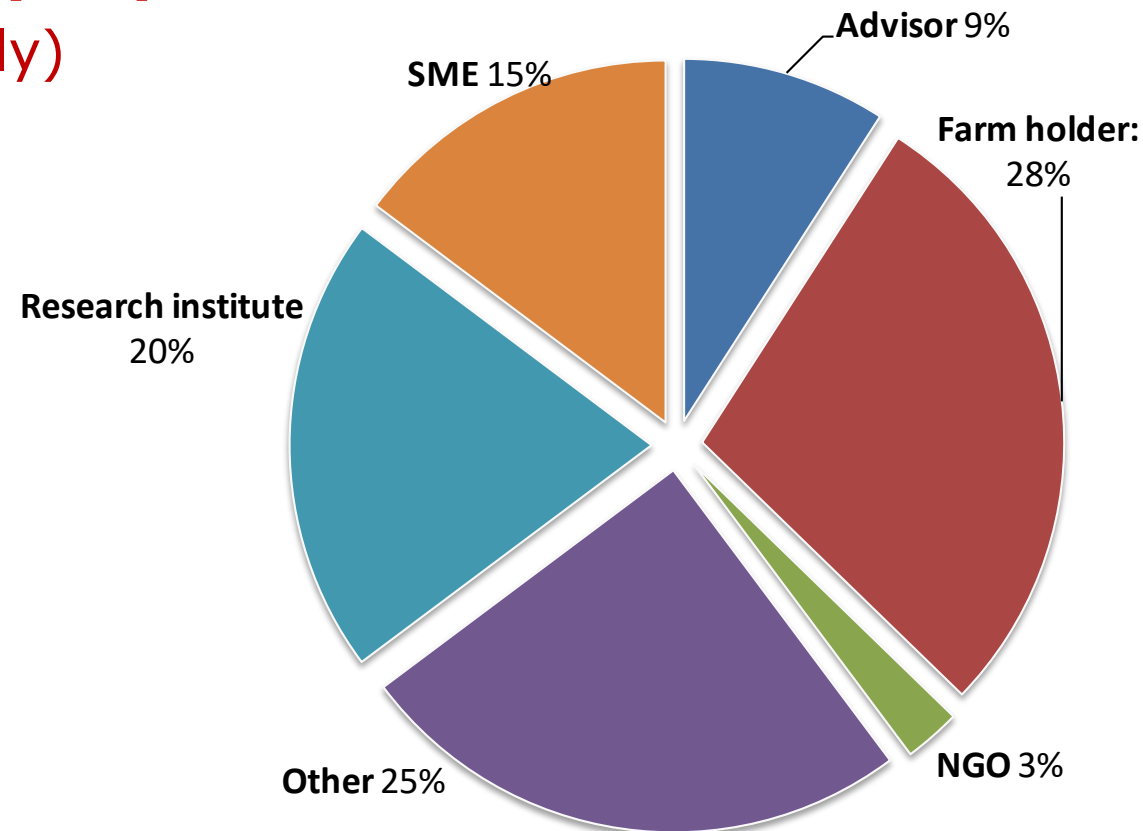
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# Main action points for innovation support

**Advisors and innovation support services (ISS) should be more involved:**

now often missing in EIP OGs (9% advisors only)

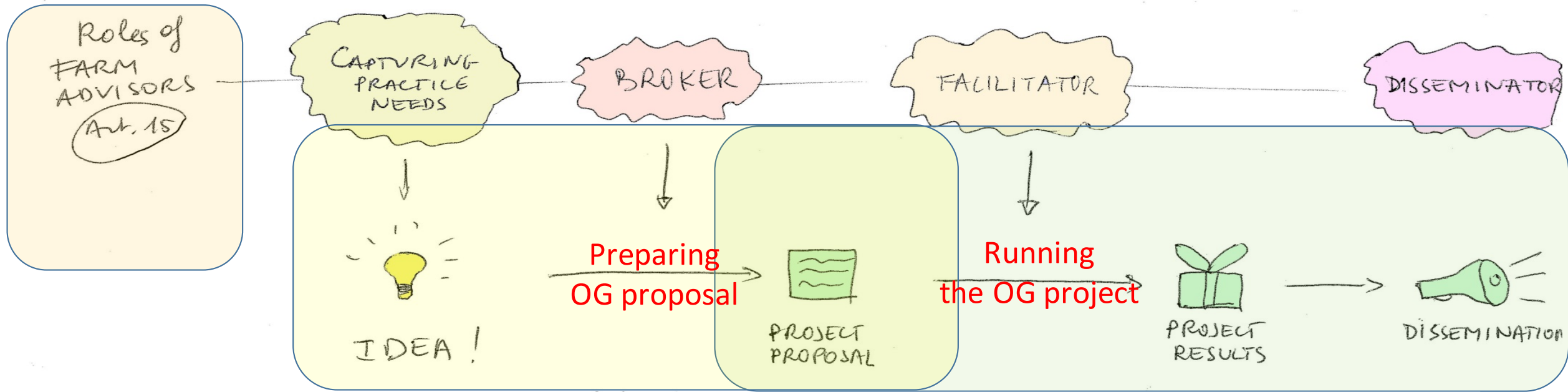
Number of partners per category (%  
on total number of OGs):



Advisors and ISS (= inn. facilitators) can have an important role in interactive innovation processes:

- **Capture** practice needs
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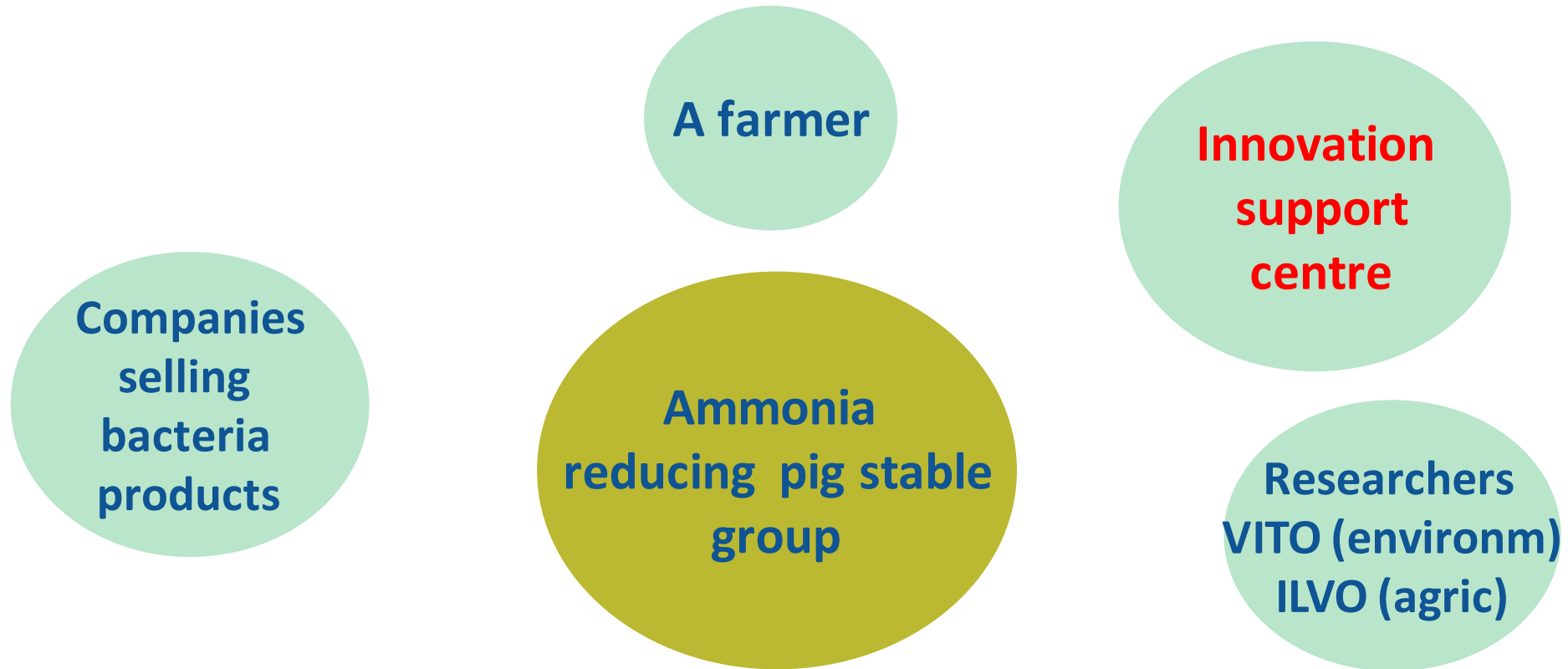
# New roles for farm advisors in interactive innovation projects



## 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
- + .....

# Example of an Innovation Support Service: one to one innovation brokering



*Project objective: develop a pig stable reducing ammonia emissions by 50 % in a more cost-efficient way than existing stable systems (idea from a farmer, brokered by the Innovation Support Centre)*



# Innovation Support Service functions

<http://www.innovatiesteunpunt.be/en/projects/agrispin-innovation-brokership>

1. **Brokering** function
2. Coordination and **facilitation** of projects as an intermediate between partners
3. Innovation **promotion** and **awareness** raising
4. Coaching farmers towards innovation (individual advice)
5. **Brainstorming** events and thematical animation
6. Biannual **innovation prize**: 150 candidates, 10 final prizes, one winner - and a lot of communication in the farm journals promotes innovation
7. **Dissemination** of innovative results
8. Connect with SMEs and other innovation services and funding bodies  
(see example of innovation project "Distrikempen" **video** from **Agrispin H2020 project**)  
<https://www.youtube.com/watch?v=fbiAGzlf3IA> *logistic innovation short supply chain*

# Integrating advisors within the AKIS: some examples...(1)

## **CAP networks can help providing info or organising events for many of these interventions/tasks**

- ✓ *Advisor giving **holistic on-farm one-to-one advice** on economic, environmental and social dimensions, capable of delivering up-to-date technological and scientific information developed by R&I (very broad scope)*
- ✓ ***Specialist advisor** on a certain theme, on-farm or off-farm*
- ✓ *Provide **individual innovation support**: capture grassroots innovative ideas and accompany the preparation and implementation of an EIP OG (CAP networks can bring innovation brokers together to learn from each other)*
- ✓ ***(Obligatory yearly) training of advisors** on themes, or learning new approaches and skills (eg social farming, digital, short chains, ...)*
- ✓ ***Advisors can provide training** farmers, farm workers etc (eg IPM)*

## Integrating advisors within the AKIS: some examples...(2)

- ✓ Advisors **joining/organising knowledge exchange events** with researchers, farmers etc, making workprogrammes, exchanging practical needs, Advisors writing in agricultural journals, websites, social media, newsletter, EIP event coordinator
- ✓ Advisors leading a **multi-actor thematic network** (e.g. RMT) at national/regional level
- ✓ Advisor **organizing a farm demonstration**, a fair, another type of event
- ✓ Advisor as **partner in** a research project, communication event,...
- ✓ Advisor going abroad to learn and come back to train and disseminate new knowledge ("**advisor mobility budget**")

⇒ **Result: advisors are integrated within the AKIS system (in a fully integrated manner, serving and making use of all kind of interventions)**

## Examples of interventions contributing to R.2 result indicator

### Knowledge exchange and information under rural development (Art 72):

	R.1	R.2	R.3	R.24
<b>Examples of interventions contributing to integration of advisors within the AKIS (R.2)</b>	Modernisation Farm	<b>Number of advisors integrated within AKIS</b>	Digitisation Farm	Env/clim performance through knowledge
<b>1. Training of advisors (O.29)</b>	✓	✓	✓	✓
<b>2. Back-office work (=specialist support collecting practice knowledge) by advisors (O.29)</b>	( ✓ )	✓	( ✓ )	✓
<b>3. Advisors' mobility budget (O.29)</b>	✓	✓		( ✓ )
<b>4a. Providing innovation support for OG on social care farming (O.2 or O.1)</b>	✓	✓		
<b>4b. Providing innovation support for OG on short supply chains in HNV areas (O.2 or O.1)</b>	✓	✓	( ✓ )	✓
<b>5. Advisors leading thematic networks compiling knowledge for practice (O.29)</b>	( ✓ )	✓	( ✓ )	( ✓ )
<b>6. Advisors leading on-farm demonstration events (O.29)</b>	✓	✓	( ✓ )	( ✓ )



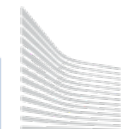
# Speeding up knowledge exchange and innovation 2.0



**Thanks for your attention**

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Commission

# Questions?

# The role of innovation networking in CAP Strategic Plan in Poland

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# Rural networks and agricultural advisory services in Poland

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- The Polish Rural Network and the EIP-AGRI innovation network are coordinated by the Agricultural Advisory Centre (CDR) in Brwinów and they are implemented by the Regional Agricultural Advisory Centres (WODR) and by regional governments.
- The agricultural advisors are integrated into those networks and they play an important role in facilitating the networking among farmers, researchers, cooperatives and rural communities.



# Agricultural Advisory Service in Poland

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Agricultural advice is provided through different institutions and organizations:

- public agricultural advisory services,
- farmers' associations,
- private advisors, including:
  - processing companies, dairy and meat factories, seed companies, machinery/equipment dealers, etc.
  - private consulting services (mostly impartial).

The public agricultural advisory service is playing a dominating role in Poland. It is available for all farmers through **Agricultural Advisory Centre (CDR) in Brwinów** and by **16 Regional Agricultural Advisory Centres (WODR)**. In general the advice is for free.

# PUBLIC AGRICULTURAL ADVISORY IN POLAND



- **CDR Brwinów**
- **CDR Branches in Poznań, Kraków, Radom and Warszawa**
- **WODR Headquarters in 16 regions**
- **WODR Branches**

# The tasks of the NRN and EIP networks

- **Identifying stakeholders** (farmers, entrepreneurs, researchers, advisors and other actors) for creation of a networking system.
- **Exchanging knowledge**, farmers' needs and good practice among all members of the network.
- **Offering a wide range of tools and services** (webpages, databases, publications, distribution of infomaterials, etc.) that facilitate networking activities and support dissemination of information to foster cooperation through seminars, workshops, conferences with intensive use of social media.
- **Encouraging all stakeholders** into different activities and **joint actions** that may encourage to start projects for instance: on-farm demonstration, Operational Groups, study tours and working/thematic groups.

# NRN and EIP AGRI networks specifics

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- **The Polish Rural Network** is running an annual small grant competition for network partners to prepare events, tours, conferences, seminars, festivals, etc....
- The NRN further carries out its own networking activities, currently focusing on Smart Villages, agri-tourism and women in rural areas.
- **The EIP-AGRI Innovation network** is focused on assistance in building partnerships and starting up national innovation projects, and in the creation of OGs.
- The implementation is dependent on innovation brokers experienced in working with farmers, entrepreneurs and researchers. The most important step was to create and then maintain a group of brokers who work in each region.



# The new CAP network post 2020

- The networking system exists but it requires transformation !
- The creation of a network integrating agriculture innovation, rural development as well as CAP Pillar I.
- Building a clear organisational structure using the benefits of the existing networks such as:
  - organisational potential and nationwide structure,
  - experienced and impartial staff, including innovation brokers,
  - contacts with all farmers and rural inhabitants,
- Creation of consultative and support bodies with all key stakeholders.
- **Supporting the AKIS strategic approach.**

# Integration of advisors - challenges

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- The system of agricultural advisory services is well developed but it requires improvement;
- A group of well qualified people, understanding the need for integration and innovation;
- Advisors acting more as facilitators (not instructors);
- Balance between public and private advisory providers - impartiality (not only economic but environmentally and social issues);
- Motivation for advisors and other partners to actively participate in networking activities (cooperation on OGs, HORIZON Europe and other projects). The outcomes of OGs need to be broadly shared across the country.
- The international dimension is not a goal on itself but will help to capture knowledge that can be shared in Poland

# The role of innovation networking in CAP Strategic Plan in Poland

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THANK YOU, DZIĘKUJĘ ZA UWAGĘ

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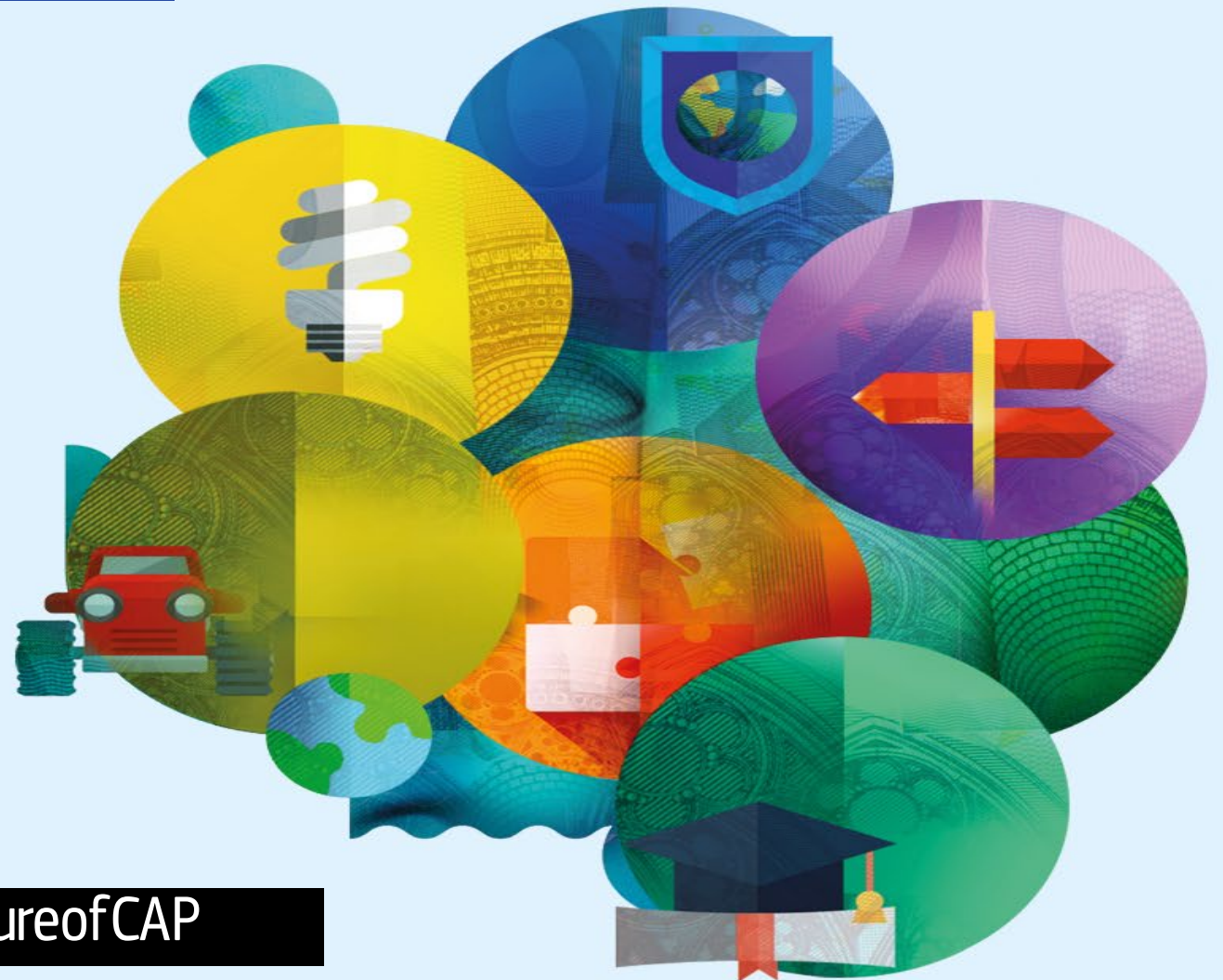
# COMMON AGRICULTURAL POLICY

Post-2020

## ***CAP Strategic Plans post 2020: 3. CAP networks' innovation strand strengthening linkages with research***

Inge Van Oost - DG AGRI  
European Commission

Unit B2 – Research & Innovation  
3, 8, 10 May 2021 – EIP webinars



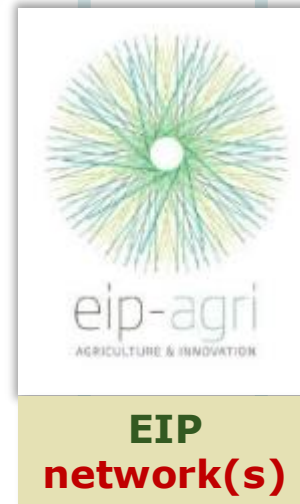
#FutureofCAP

# Connecting policies: the bigger EIP picture: How to find each other? => AKIS needed

**CAP/Rural development**  
(regional/national level)



- ✓ **OG preparation**
- ✓ **OG projects**
- ✓ **Innovation support services**



**Research projects**  
**Multi-actor projects**  
**Thematic networks**  
(interactive innovation)



**Involvement of OGs**  
**is strongly**  
**recommended**



**Unique EU knowledge repository**  
**of contacts and practice abstracts**

**Spread**  
**the results**





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

1. **Collect and share outcomes** of 3200+ EIP OGs from current CAP, and of 190 H2020 multi-actor projects + future Horizon Europe MA proj. ( + filtering & translating)
2. Make use of the EIP website + knowledge reservoirs being prepared under H2020
3. **Connect OGs with Horizon projects** = great added value. The Horizon 2020/Horizon Europe (HE) dimension of the EIP-AGRI induces the need for intensifying CAP innovation networking and **regular and efficient interaction** with Horizon Europe National Contact Points. **Keep your inventory of OGs and advisors up to date!**
4. All this **material provides great input for local AKIS actors** (farmers, advisors, education, trainers, media, businesses, researchers,..): training for farmers and for advisors, peer-to-peer events, demonstrations, website, e-learning, ISS etc
5. **Organising events to link and network AKIS actors for future cooperation**
6. **Start now**, already testing future interventions under the current period and **brainstorm in AKIS coordination platforms** (using transitional funds)

# The Horizon 2020/Horizon Europe (HE) dimension of the EIP-AGRI

1. The synergies organized between Horizon projects and EIP Operational Groups induces the need for **intensifying innovation networking with Horizon Europe National Contact Points**: a monthly encounter could be useful
2. **Promote and make OGs visible**: database with all OGs in the MS + contacts + thematic categorisation
3. **Follow the yearly Horizon Europe calls and be pro-active**: present the topics to your OGs, make a brokering event with your OGs, advisors and researchers, think about cross-border events around specific topics in the call where OGs could join. Horizon consortia mostly do not find the OGs they would like to have in their project
4. Also when Horizon projects are running, OGs or their partners may still be invited to events of their interest: give them support

# AKIS & EIP-AGRI – preparing for EU knowledge reservoir(s) for practice serving advisors' back-offices for innovation support and advice

- ✓ MS already creating **dbases (EIP-AGRI in DE, FR, NL, back-office and ISS in LT etc)**
- ✓ **EURAKNOS** project (Thematic Network of Thematic Networks, midterm Jan 2020)
- ✓ **EUREKA** project (feasibility EU knowledge reservoir for practice, kick-off Jan 2020)



**Making at EU level an increasing volume of practice-oriented knowledge easy accessible and searchable, multilingual, interactive and attractive!**

# EURAKNOS & EUREKA: The 'FarmBook'



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## The title of this interesting article

January 12, 2018

By Joseph Stevens, Katherine Youth and Forest advisment

Smart-Akis

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### More info

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### Related links

Link one

Link two

Link three

Active search filters

FORESTRY X

CROP FARMING X

LOG IN

EN ▾

multilingual

Quantifiable (Likes)

554 likes

0 comments

Comments possible

Related links

Link one

Interaction



EUREKA



EURAKNOS



# EURAKNOS & EUREKA: The 'FarmBook'

## Forestry

Search within forestry

Search

All content **Community** Experts

### Threads & discussions

SORT A-Z

Start a thread

#### Best way to implement this technique?

Joseph Stevens

3 days ago

Vestibulum id ligula porta felis euismod semper. Nullam id dolor id nibh ultricies vehicula ut id elit. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed posuere consectetur est at lobortis. Cras mattis consectetur purus sit amet fermentum.

546 likes 58 comments

What is the major difference between x and y?

#### Join the community

Do you want to share your feedback and join in on the conversation?

Sign up

## Forestry

Search within forestry

Search

All content Community **Experts**

A TOTAL OF 135 FORESTRY EXPERTS

SORT A-Z

#### Joseph Stevens

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo cursus magna, vel scelerisque nisl consectetur et...

#### Alena Donin

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo cursus magna, vel scelerisque nisl consectetur et...

#### Gretchen Saris

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo



EUREKA

Community chat

Expert database



EURAKNOS



# EUREKA: The 'FarmBook': ensure that your database is interoperable and you can receive info from the whole EU (similar standards and IT languages)

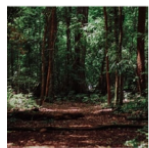
Presentation Knowledge – NEED FAIR DATA Metadata / Simple **Standard** Files / Interoperable Structured Website Platforms

RETURN TO OVERVIEW

## Search results

A TOTAL OF 135 RESULTS

SORT BY relevance



### Euismod Commodo Inceptos

FORESTRY TEXT • 12 MIN

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo cursus magna, vel scelerisque nisl consectetur et...

TAGS: SMARTAKIS EXCEL BELGIUM



### Cras Tristique

CROP FARMING TEXT • 12 MIN

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo cursus magna, vel scelerisque nisl consectetur et...

TAGS: SMARTAKIS EXCEL BELGIUM



### Nullam quis risus eget urna mollis ornare vel eu leo

#### Active filters

FORESTRY X

CROP FARMING X

#### Categories

- Forestry
- Crop farming
- Livestock
- Environment
- Society
- Economics

#### Subcategories

- Content
- Community
- Experts

Media type

Language

RETURN TO OVERVIEW

## Search results

A TOTAL OF 135 RESULTS

SORT BY relevance



### Rutrum faucibus dolor auctor

CROP FARMING TEXT • 12 MIN

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo cursus magna, vel scelerisque nisl consectetur et...

TAGS: SMARTAKIS EXCEL BELGIUM



### Vivamus sagittis lacus vel augue laoreet

FORESTRY TEXT • 12 MIN

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Praesent commodo cursus magna, vel scelerisque nisl consectetur et...

TAGS: SMARTAKIS EXCEL BELGIUM



#### Active filters

FORESTRY X

CROP FARMING X

#### Categories

- Forestry
- Crop farming
- Livestock
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- Society
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#### Subcategories

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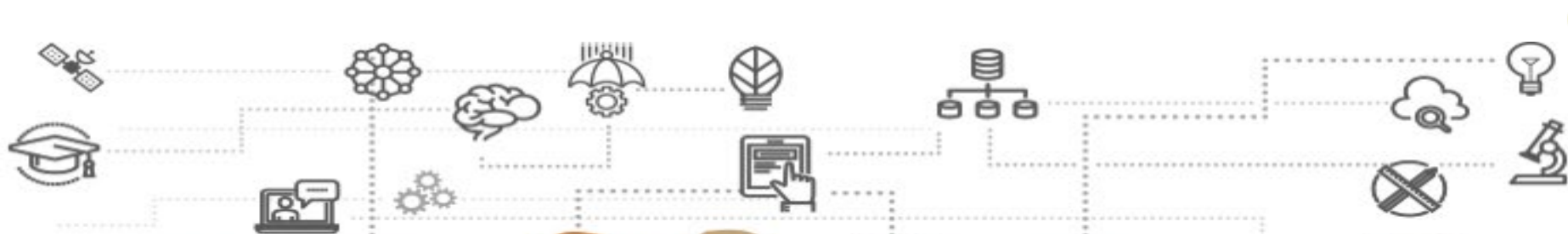
Media type

Language



# TOOLBOX FOR A KNOWLEDGE- BASED AGRICULTURE

- **Cross-cutting objective** on knowledge, innovation and digitalisation (CAP Art. 5)
- Each **CAP strategic plan** will include a section on how to stimulate the exchange of knowledge and innovation & digital technologies in agriculture (CAP Art. 102)
- **Strengthening of MSs'/regions'** Agricultural Knowledge and Innovation Systems (**AKIS**)
- **Support** for advice, training, innovation and knowledge exchange in Rural Development (CAP Art. 71,72,13,... )
- Specific budget of EUR 9 billion in **Horizon Europe** for food, agriculture, rural development and the bio-economy.



➤ Continuation of the agricultural **European Innovation Partnership** (CAP Art 113, 114)





# Horizon Europe call 2021

## State of play



# The Horizon Europe Workprogramme 2021 will provide support

*Publication: end June 2021, deadline early Oct 2021*

**Multi-actor approach now useable across the whole cluster 6: same principles kept but type of actors broadened => even more practice info will come in**

*Following destinations have been designed within Cluster 6:*

1. Biodiversity and ecosystem services
2. Fair, healthy and environmentally-friendly food systems from primary production to consumption
3. Circular economy and bioeconomy sectors
4. Clean environment and zero pollution
5. Land, oceans and water for climate action
6. Resilient, inclusive, healthy and green rural, coastal and urban communities
7. **“Fostering Innovative governance, environmental observations and digital solutions in support of the Green Deal” are useful enablers - including AKIS co-creation and networking among all MS; how to develop innovation support; finish, test, finetune and promote the EU Knowledge reservoir together with all MS’ AKIS; Thematic Networks; Thematic Networks growing from OGs; and an advisory network on short supply chain (more to come).**

# Building and linking AKISs across the EU

*Speed up creativity and  
practice application*

*Better connectivity and  
quicker circulation of  
information*



# Speeding up knowledge exchange and innovation 2.0



**Thanks for your attention**

Inge Van Oost – DG AGRI Unit B.2 – Research and Innovation

[Inge.Van-Oost@ec.europa.eu](mailto:Inge.Van-Oost@ec.europa.eu)



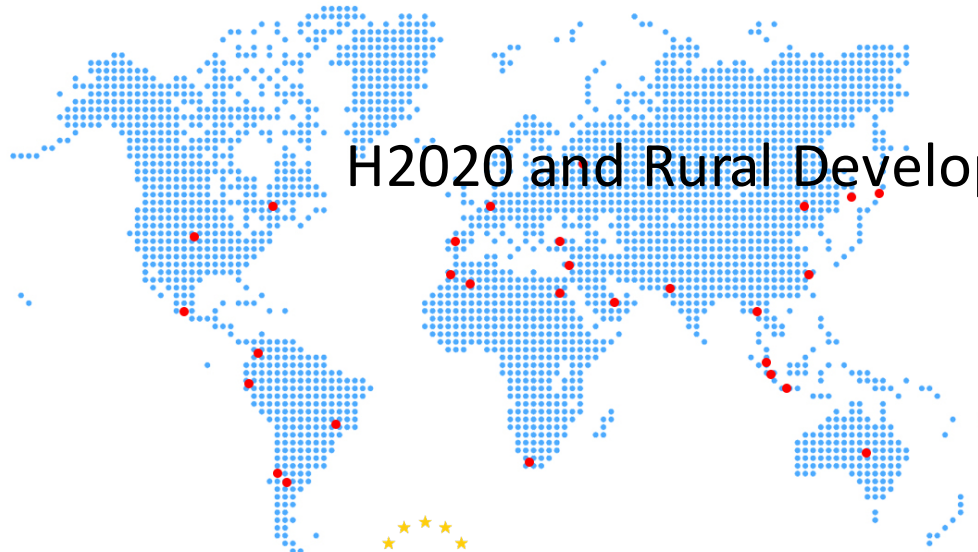
European  
Commission

# Questions?

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



@CDTIoficial



## H2020 and Rural Development Policy through EIP-AGRI

Promoting synergies

June 2021

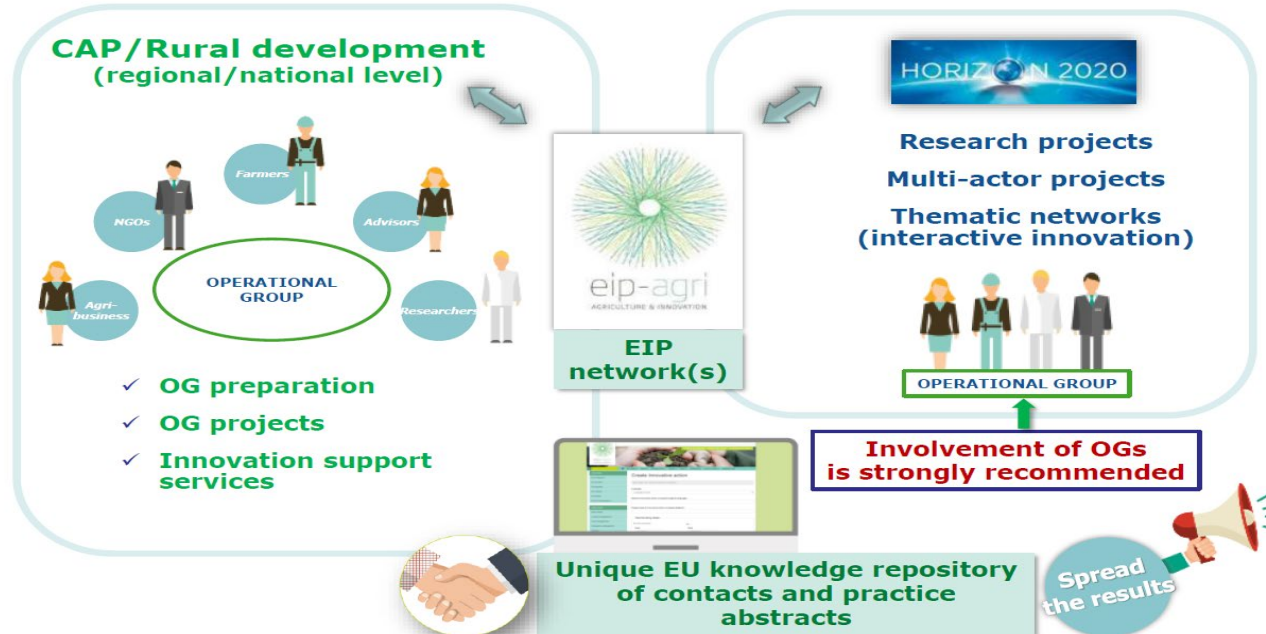
**HORIZONTE**  
**EUROPA**

@HorizonteEuropa

Marta Conde  
Horizon Europe – Cluster 6 – Spanish NCP  
[marta.conde@cdti.es](mailto:marta.conde@cdti.es)

# EIP 2014-2020 – Seven years after

## Connecting policies: the bigger EIP picture



Linking EU policies  
What in 2014 seemed a difficult task, is a reality in 2020!  
Congratulations!!

# Building bridges

- The role of H2020 - NCPs supporting applicants
- Strengthening collaboration among ministries  
MAPA - MICIN (CDTI & INIA).

*MAPA – Spanish Ministry of Agriculture, Fisheries and Food;*

*MICIN – Spanish Ministry of Science and Innovation*

*CDTI – Center for the Development of Industrial Technology – MICIN;*

*INIA- National Institut for Agriculture and Food Research – MICIN.*

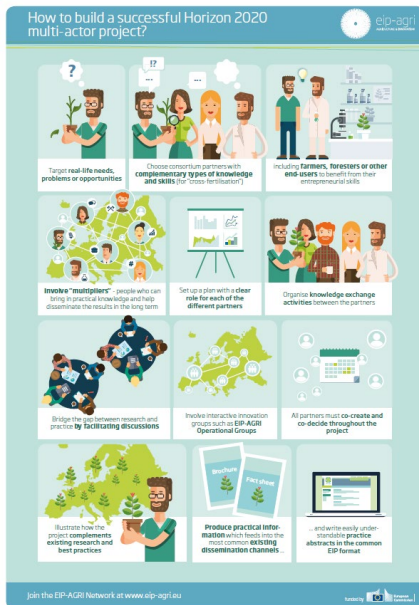


# Building bridges

- The role of H2020 - NCPs supporting applicants.
- Strengthening collaboration among ministries MAPA- MICIN (CDTI & INIA).

*MAPA – Spanish Ministry of Agriculture, Fisheries and Food; MICIN – Spanish Ministry of Science and Innovation  
CDTI – Center for the Development of Industrial Technology – MICIN; INIA- National Institut for Agriculture and Food Research – MICIN.*

# The multi-actor approach projects

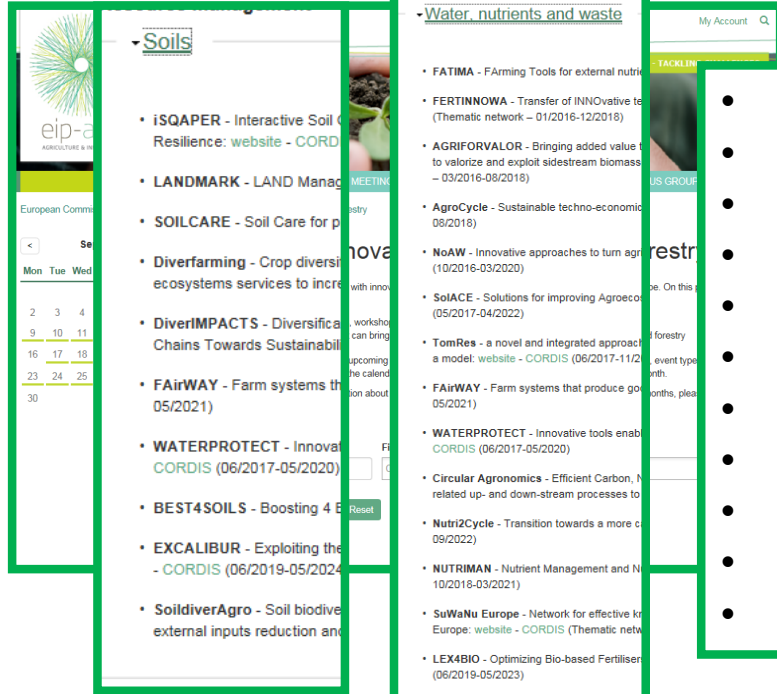


The EIP has developed very useful material for NCPs and applicants, about multi-actor approach, thematic networks, such as brochures, leaflets, videos, ...

<https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-brochure-horizon-2020-multi-actor>

# EIP-AGRI Website – a lot going on

<https://ec.europa.eu/eip/agriculture/en>



- Soils
- Water, nutrients and waste
- Sustainable cropping systems
- Animal production systems
- Plant and animal health
- Integrated ecological approaches
- Territorial dynamics - rural policies
- Provision of public goods
- Digital revolution
- Thematic networks
- AKIS - On-farm demonstrations

The EIP website has become a reference for the research community.

- Events
- Focus groups
- MAA projects on specific field
- ...

# Suggestion n°1: NCPs need continuous support from de EC

Thematic networks funded under Horizon 2020 calls 2014-2019		
Thematic network	Topic	Website
 4DAF	Data and sensor driven decision making on dairy farms	<a href="http://www.4daf.eu">www.4daf.eu</a>
 AFINET	Agroforestry innovation network	<a href="https://euraf.gau.es/afinet">https://euraf.gau.es/afinet</a>
 AGRIFORVALOR	Increasing the value of biomass side-streams from agriculture and forestry	<a href="http://www.agriforvalor.eu">www.agriforvalor.eu</a>
 AgriSpin	Innovation brokering – identifying best practices for innovation and support	<a href="http://www.agrispin.eu">www.agrispin.eu</a>
 BEST4SOIL	Promoting 4 best practices for soil health in Europe	<a href="http://www.best4soil.eu">www.best4soil.eu</a>
 BIOFRUITNET	Boosting Innovation in Organic FRUIT production through strong knowledge NETWORKS	<a href="http://www.biofruitnet.eu">www.biofruitnet.eu</a>
 BovINE	Beef Innovation Network Europe	<a href="http://www.bovine.eu.net">www.bovine.eu.net</a>
 CERERE	CErial REhabilitance in Rural Europe: embedding diversity in organic and low-input food systems	<a href="http://cerere2020.eu">http://cerere2020.eu</a>
 disarm	Disseminating Innovative Solutions for Antibiotic Resistance Management	<a href="http://www.usicamproject.eu">www.usicamproject.eu</a>
 enabling	Enhancing New Approaches in Biobased Local Innovation Networks for Growth	<a href="http://www.enabling-project.com">www.enabling-project.com</a>
 EUFRUIT	Fruit - cultural development, minimising residues, storage and fruit quality, sustainability of production systems	<a href="http://eufriut.org">http://eufriut.org</a>
 EU PIG	EU wide network for an economically viable and sustainable pig industry	<a href="http://www.eu-pig.eu">www.eu-pig.eu</a>
 EURAKNOS	Connecting thematic networks as knowledge reservoirs towards a European Agricultural Knowledge Innovation Open Source system	<a href="https://euraknos.eu/">https://euraknos.eu/</a>
 EuroDAIRY	Practice-based innovations in dairy farming – resource efficiency, biodiversity, animal care, and socio-economic resilience	<a href="http://www.eurodairy.eu">www.eurodairy.eu</a>
 EuroSheep	European Network for interactive and innovative knowledge exchange on animal health and nutrition between the sheep industry actors and stakeholders	<a href="http://cordis.europa.eu">cordis.europa.eu</a>
 FERTINNOWA	Water management in fertigated crops – water quality, water use efficiency, environmental impact	<a href="http://www.fertinnovaweb.com">www.fertinnovaweb.com</a>

## EIP-AGRI Operational Groups – basic principles

**Operational Groups** are intended to bring together multiple actors such as farmers, researchers, advisers, businesses, environmental groups, consumer interest groups or other NGOs to advance innovation in the agricultural and forestry sectors.

Watch the animated movie on EIP-AGRI Operational Groups to find out how collaborating with different partners in Operational Group projects can help farmers to find innovative solutions to challenges they are facing, and how these projects can lead to new opportunities.




Thematic networks – Closing the research and innovation divide

<https://ec.europa.eu/eip/agriculture/en/about/thematic-networks-%E2%80%93-closing-research-and>

NCPs need training and update from the EC (DG AGRI & DG RTD) on any novelty of the EIP agri website or the CAP networks, AKIS, ...  
This training could be coordinated/provided by the future NCP network of Cluster 6

# EIP-AGRI – Operational Groups

<http://ec.europa.eu/eip/agriculture/en/content/links-existing-operational-groups?stakeholder=3394>



The screenshot shows the EIP-AGRI website interface. On the left, there is a navigation menu with a search filter: "(You can filter the Operational Group by Country)". The main content area displays a list of Operational Groups categorized by country:

- Austria**
  - National
- Belgium**
  - Flanders
- Finland**
  - National
- France**
  - National
- Ireland**
  - National
- Italy**
  - Emilia Romagna
- Germany**
  - National
  - Schleswig-Holstein
  - Hessen
  - Mecklenburg-Vorpommern
  - Sachsen
  - Thüringen
  - Rheinland-Pfalz
- Portugal**
  - National

On the right side of the screenshot, there is a section titled "Spain" with a list of Operational Groups:

- National 2017
- National 2018
- Andalusia
- Aragon
- Asturias
- Basque Country
- Canary islands
- Cantabria
- Catalonia 2015-2016
- Catalonia 2017
- Extremadura
- Galicia
- La Rioja
- Madrid
- Murcia

Researchers need to easily find OG to contact them and involve them in R&D proposals.

The first years (2014-2018) it was quite difficult to find OG and to contact them.



# Suggestion nº2: OG have to be easily findable for the research community

Projects - Operational groups

Fulltext search

Contains any of these words

Geographical location

Spain x

Keywords

-beekeeping x

Search

Reset

Brevit content disclaimer

Projects found: 5

Published on	Title	Geographical location
01/06/2020	VarroaForm - Development of an effective formulation for the control and prevention of varroatois in domestic bee ( <i>Apis mellifera</i> )	Spain
09/06/2020	2016-008 - SOCIOECONOMIC STUDY on the impact of VESPA VELUTINA in the Apiculture of the Autonomous Community of the Basque Country	Spain
04/11/2019	INNOVATION IN HONEY PRODUCTION PROCESSES (INNOMIEL)	Spain
04/11/2019	PICA: INNOVATIVE PLATFORM FOR BEEKEEPING	Spain
05/04/2019	DEVELOPMENT OF NATURAL SWEETENERS WITH HEALTHY PROPERTIES FROM HONEY, JELLY AND PROPOLIS.	Spain

VarroaForm - Desarrollo de una formulación eficaz para el control y prevención de la varroatois en abeja doméstica (*Apis mellifera*)

Geographical location	Spain
Main geographical location (NUTS3)	A Coruña
Other geographical locations (NUTS3)	Gran Canaria Cunense
Keywords	Pest / disease control Food quality / processing and nutrition Farming / forestry competitiveness and diversification
Additional keywords	beekeeping bee honey bee
Main funding source	Rural development 2014-2020 for Operational Groups (in the sense of Art 56 of Reg. 1305/2013)
Project type	Operational group
Starting date	2020
End date	2022
Project status	Ongoing
Website	Launch of the project

The Databe for searching “operational groups”  
<https://ec.europa.eu/eip/agriculture/en/eip-agri-projects/projects/operational-groups>  
is indeed a useful tool for the scientific community

# Suggestion n°3: OG and MAA projects and networks working together

## Table of contents

Project type	Project name		
Innovative project	Multifunctional family fa		
Innovative project	The Essence of Mink Fa		
Innovative project	Global Eco – Inno-Eco		
Innovative project	TaReCa		
Innovative project	FoodOASIS		
Operational Group	BIOREFINERY GLAS		
Innovative project	Biogas Plant - Adding va		
Operational Group	DIGESTATE_100%		
Operational Group	SCOOTER Vegetable wa		
Innovative project	URSA Project - Alqueva		
Operational Group	Integral use of rapeseed oil cheese production		
Horizon 2020 project	ICT-BIOCHAIN		
Horizon 2020 Multi-actor project	Circular Agronomics		
Horizon 2020 Multi-actor project	TRUE- Transition Pathwa Europe		
Horizon 2020 Thematic network	AFINET		
Horizon 2020 Thematic network	AGRIFORVALOR		
Horizon 2020 Thematic network	ENABLING		
Innovative project	BIOCIRCULAR		
Innovative project	EMBRACE	Various	21
Innovative project	GreenAgri	Various	22
Innovative project	Local Economic Development	Various	23
Innovative project	MediOpuntia	Various	24
Innovative project	Sustainable Bioeconomy Guidelines	Various	25
Innovative project	WETWINE	Various	26



## EIP-AGRI WORKSHOP 'Opportunities for farm diversification in the circular bioeconomy' 6-7 February 2019 - Vilnius, Lithuania

Operational Groups, innovative projects, Horizon 2020 multi-actor projects, Horizon 2020 thematic networks and projects under the Biobased Industry Joint Undertaking represented at the workshop

update 31 January 2019



## EIP-AGRI Seminar Multi-level strategies for digitising agriculture and rural areas FINAL REPORT APRIL 2019

OGs and the scientific community working together while Horizon Europe – Cluster 6 calls are open in order to exchange ideas and build projects together may be useful. This activity could be linked to the activities of NCPs, but with the support of the EC.

# Suggestion n°4; Multiactor approach are easily findable in the EIP agri, but is there room for improvement regarding Practice abstracts?

Projects - Multi-Actor Projects

Fulltext search: Contains any of these words  
Geographical location: Choose some options  
Keywords: Choose some options

Search Reset

Projects found: 66

Published on	Title	Geographical location
09/11/2020	WeLASER-SUSTAINABLE WEED MANAGEMENT IN AGRICULTURE WITH LASER-BASED AUTONOMOUS TOOLS	Spain
16/12/2019	DiverIMPACTS - Diversification through Rotation, Intercropping, Multiple Cropping, Promoted with Actors and value-Chains towards Sustainability	France
08/02/2021	Soil Hydrology research platform underpinning innovation to manage water scarcity in European and Chinese cropping systems. Shui	Spain
23/07/2018	LIVESEED: Boosting organic seed and plant breeding	Belgium
08/02/2021	NIVA - A New IACS Vision in Action	Netherlands
17/08/2020	Pre-HLB: Preventing HLB epidemics for ensuring citrus survival in Europe	Spain
22/02/2019	COllaborative lAnd-Sea inTegrAtion pLatform (COASTAL)	Belgium
20/01/2021	Eureka	Belgium
01/07/2020	ROBUST - Rural-Urban Outlooks: Unlocking Synergies	Netherlands
13/01/2021	LIAISON: Better Rural Innovation: Linking Actors, Instruments and Policies through Networks	Germany
06/05/2020	EcoStack - Stacking of ecosystem services: mechanisms and interactions for optimal crop protection, pollination enhancement, and productivity	Italy
04/06/2018	Crop diversification and low-input farming across Europe: from practitioners engagement and ecosystems services to increased revenues and chain organisation	Spain
11/04/2019	MAGIC - Marginal Lands for Growing Industrial Crops. Turning a Burden into an Opportunity	Greece
02/06/2020	Addressing the dual emerging threats of African Swine Fever and Lumpy Skin Disease in Europe (DEFEND)	United Kingdom
09/11/2020	Confronting Obesity: Co-creating policy with youth	United Kingdom
24/11/2020	SUREFISH- FOSTERING MEDITERRANEAN FISH ASSURING TRACEABILITY AND AUTHENTICITY	Italy
01/10/2018	Designing Innovative plant teams for Ecosystem Resilience and agricultural Sustainability	United Kingdom

<https://ec.europa.eu/eip/agriculture/en/eip-agri-projects/projects/multi-actor-projects>

Practice summary

- Practice abstract 1
- Practice abstract 2
- Practice abstract 3
- Practice abstract 4
- Practice abstract 5
- Practice abstract 6
- Practice abstract 7

Regarding practice abstracts:  
Is there room for improvement?  
Are they reaching end-users (farmers)?  
Are researchers replying correctly to what it is expected? In number, in content?  
NCPs can help with this task, but need training!

# Is it clear enough for applicants how to (legally) involve OG in MAA projects and thematic networks?

1. The full OG can be a partner (=beneficiary) or 3<sup>rd</sup> party if it is constituted as a legal entity.
2. One OG partner, established as a legal entity is a partner or 3<sup>rd</sup> party.
3. Partner from the H2020 project can earmark budget under “other direct costs” to cover expenses for OG members (e.g: OGs invited to workshops, cross-visits across countries)
4. Cooperation on a voluntary basis (no impact on MA project’s budget) Very strong evidence is needed that the OGs will indeed undertake these linking activities (e.g: visible in the OG project plan as approved by rural development authorities, or bilateral agreement as annex to the H2020 proposal).

Horizon 2020/Horizon Europe applicants still need indications on how to link OG to multiactor-approach projects/thematic networks. The elaboration of leaflets, sharing good practices or organizing events, may help researchers understand what can be done.

Source: Info Day SC2 Calls 2020. 4th July. DG AGRI

# Building bridges

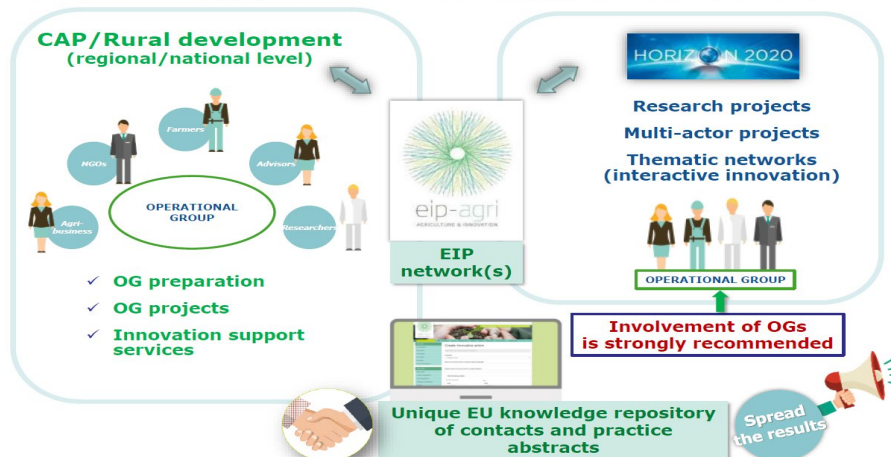
- The role of the H2020 - NCPs supporting applicants
- Strengthening collaboration among ministries MAPA - MICIN (CDTI & INIA).

*MAPA – Spanish Ministry of Agriculture, Fisheries and Food; MICIN – Spanish Ministry of Science and Innovation  
CDTI – Center for the Development of Industrial Technology – MICIN; INIA - National Institut for Agriculture and Food Research – MICIN.*



# The Spanish experience – joining forces

## Connecting policies: the bigger EIP picture



# Strengthening collaboration MAPA - MICIN

**Horizon 2020 – Societal Challenge 2**  
 Food Security, Sustainable Agriculture, Marine, Maritime and Inland Water Research and Innovation

**Infoday & Proposal Workshop on WP2**  
 Monday, 21<sup>st</sup> November 2016. CDTI, CITA, IRTA, MIA, UR

**Agenda**

9:00 – 9:30 Registration of participants.

9:30 – 9:40 Welcome and Introduction. Mr. Guillermo Álvaro Challenges. EU Programmes Division. CDTI.

9:40 – 10:20 H2020 - Societal Challenge 2 Work Programme Tatiana Tallarico. DG-AGRI. Research and Innovation

10:20 – 10:40 First outcome 2014-2016 and moving towards Delegate SC2. CDTI.

10:40 – 11:10 How to prepare a proposal. Practical information. MIA

11:10 – 11:30 The evaluation process and the vision of the ev Santiago de Compostela.

11:30 - 11:45 Questions & Discussion.

11:45 - 12:00 Break.

**12:00 – 12:30 H2020 & Multiactor approach – EIP-AGRI & Operational Groups**  
 Ms. Isabel Bombal. DG Rural Development and Forestry

**12:30 – 13:30 Success stories.** Moderator: Mr. Jesús Escudero. SC2

13:30 – 13:45 Questions & Closing session.

15:00 - 16:30 Bilateral meetings to discuss project proposals.

*For any further information and arrange bilateral meetings, please contact us on Wednesday 15<sup>th</sup> November, to [tonia.bezerra@cdti.es](mailto:tonia.bezerra@cdti.es).*

*The session may be partly held in English and no translation will be provided.*

**INTERCAMBIO DE EXPERIENCIAS ENTRE GRUPOS OPERATIVOS Y PROYECTOS CON TEMÁTICA DE AGRICULTURA DE PRECISIÓN**

24 noviembre 2020  
 10:00h – 13:00 h  
 Videoconferencia a través de GotoWebinar

Horario	Tiempo	Programa
10:00-10:40	40 min.	- Bienvenida, presentación de la jornada y contexto de las medidas de innovación en la programación de desarrollo rural (20') <i>D. Carlos Garrido (Coordinador de la Subdirección General de Innovación y Digitalización, MAPA).</i> - Programa Marco de la UE – Hacia Horizonte Europa 2021-2027 (10') <i>Dª Marta Conde (Punto Nacional de Contacto H2020-Reto social 2, CDTI, MCI).</i> - Misión Salud del Suelo y Alimentos (10'). <i>Dª Carmen Vela (Miembro del Comité de la Misión. Eurofins INGENASA).</i> <i>Dª Rocio Lanasca (Miembro español del Sub-grupo de la Misión. INIA)</i>
10:40-11:00	20 min.	<b>Temática 1: Teledetección</b> 1.1. AGROTIG: desarrollo de un servidor cartográfico web, para el seguimiento de cultivos de cereal por teledetección. PNDP. (10') <i>D. Hector Nieto (Compluteg - Universidad de Alcalá)</i> 1.2. APOLLO: desarrollo de una plataforma comercial de servicios de asesoramiento agrícola basada en datos de observación de la tierra de acceso libre y abierto. Proyecto H2020. (10'). <i>Dª María Llanos López (Servicio agrónomico AgriSat)</i>
11:00-11:20	20 min.	<b>Temática 2: Inteligencia artificial y Big Data</b> 2.1. RECOLECTA: predicción del momento óptimo de recolección mediante gestión integral térmica de cultivos. PNDP. (10') <i>D. José Luis Bustos (BrioAgro).</i> 2.2. BIHORTAFLOOR: Aplicar soluciones de inteligencia artificial y big data para la mejora de la eficiencia económica y medioambiental de las explotaciones agrarias. PDR-Región de Murcia. (10') <i>D. Adolfo García (Camposeven).</i>
<b>DESCANSO (10min)</b>		
11:30-11:50	20 min.	<b>Temática 3: Drones y Robótica</b> 3.1. Integración de datos multispectrales y agroclimáticos obtenidos a través de drones e imágenes de satélite en la gestión de un viñedo para la toma de decisiones en viticultura. PDR-Galicia (10') <i>D. Boris Hinojo (Sedata)</i> 3.2. SMART AKIS: SIG, la agricultura de precisión, y la automatización agrícola y robótica. Red temática europea. (10') <i>Dª Natalia Bellotas (INTIA)</i>
11:50-12:50	60 min.	Debate e intercambio de opiniones entre los asistentes
12:50-13:00	10 min.	Conclusiones y clausura de la jornada Subdirección General de Innovación y Digitalización, MAPA

## Collaboration MAPA- MICIN since 2016

- H2020 Societal Challenge 2 infodays.
  - Multiactor-approach projects
  - EIP AGRI
  - Operational Groups in Spain.
- Organisation of events for the Exchange of experiences between Operational Groups and H2020 projects

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+ info sobre programas y ayudas  
para la  
internacionalización de la I+D+I española



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