



COMMON AGRICULTURAL POLICY

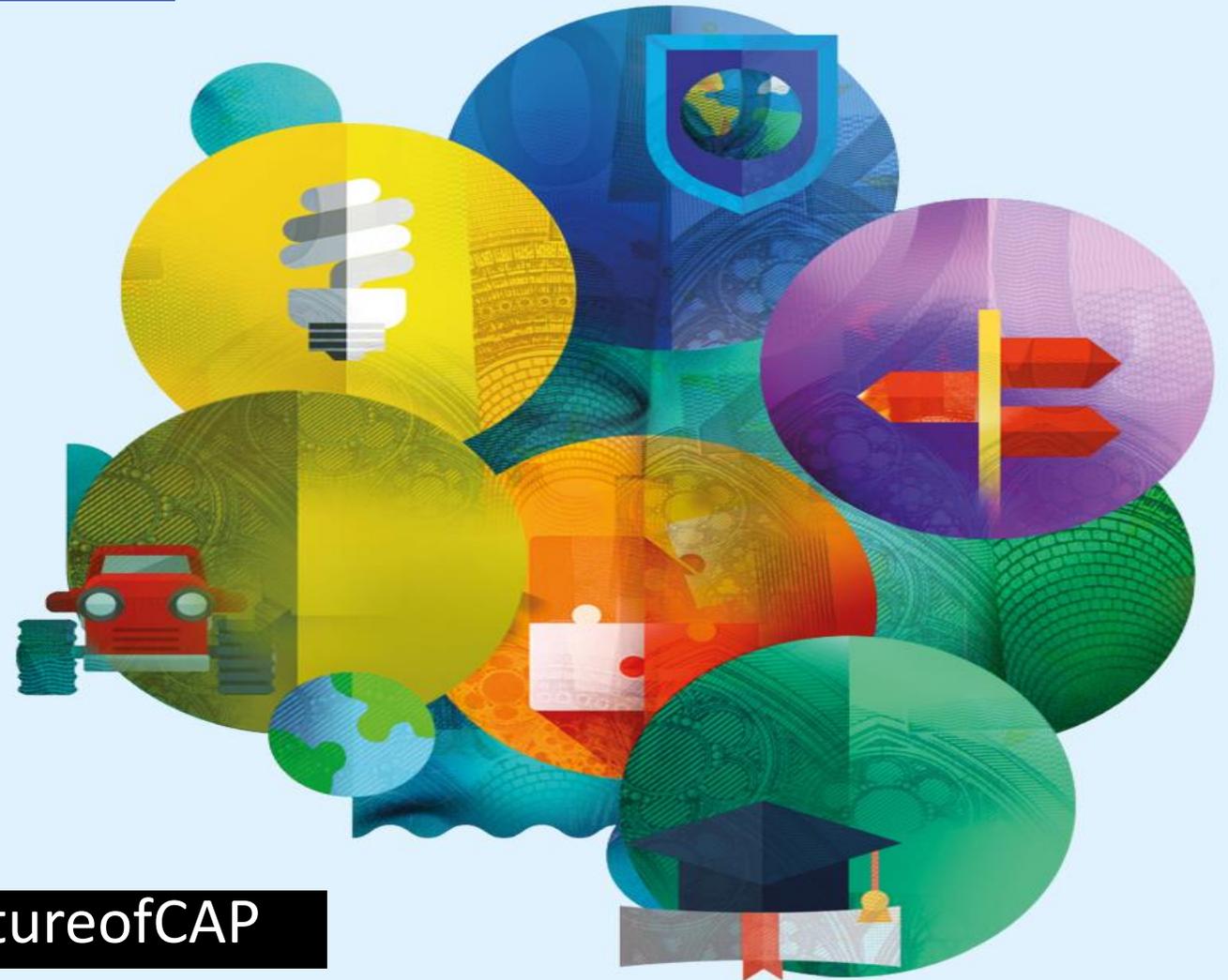
Post-2020

*AKIS, Farm advice
and Innovation Networking*

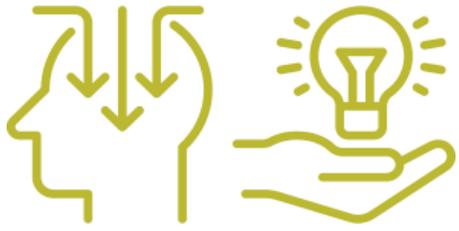
SWG SCAR-AKIS - 15 April 2019 - Dublin

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DG AGRI – Research & Innovation



#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/food-farming-fisheries/key-policies/common-agricultural-policy/future-cap_en

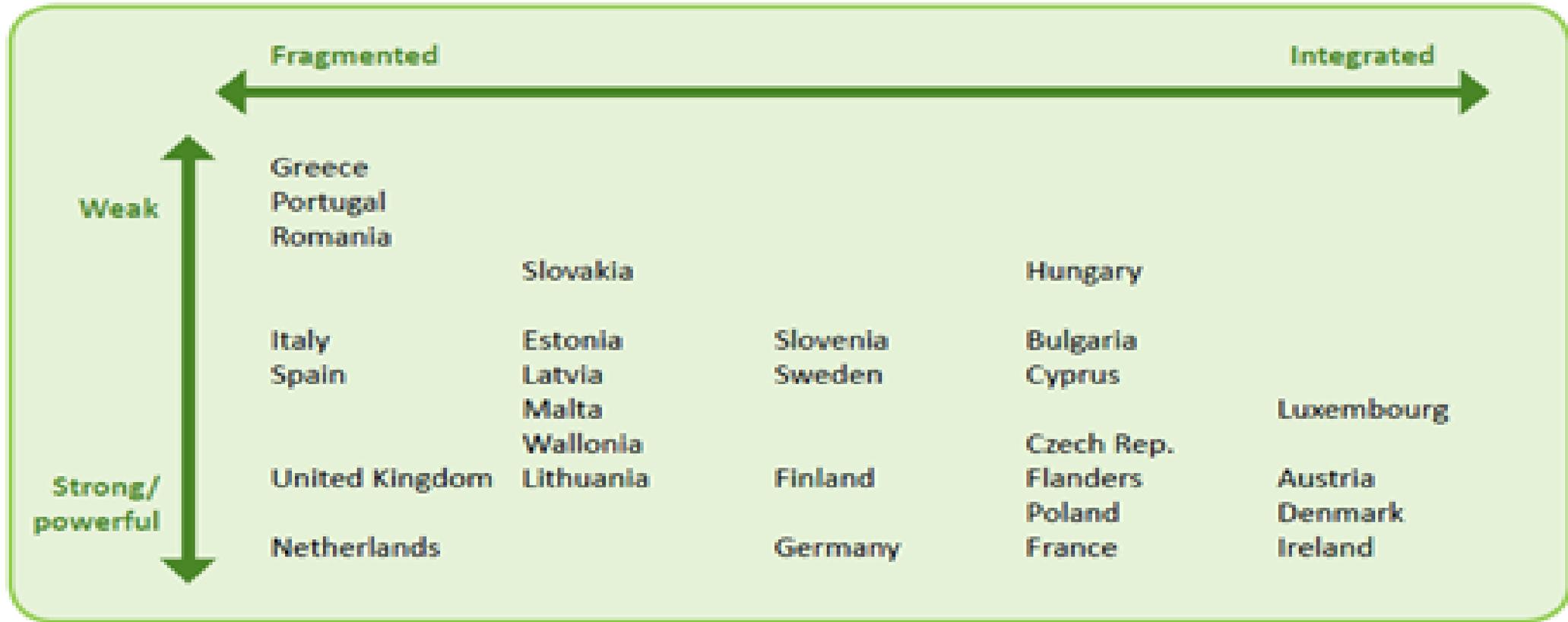


European
Commission

PROAKIS study: Characterising MS' AKIS



An overview (as of 2014)



The EIP-AGRI in short



- 2010: European Innovation Partnerships want to speed up innovation through **cooperation and linking** existing policies and instruments
- EIP "Agricultural productivity and sustainability" launched in 2012: "more and better from less", "ideas put into practice with success", impact by end-users becoming "actors" and motivated
- 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 diffusion 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 & Funding interactive innovation projects

**Rural Development
(regional/national level)**

- Funding for setting up of an **“Operational Group” (OG)** : farmers, advisors, agribusiness, researchers, NGOs, etc) **planning an innovation project**
- **Project funding** for the **Operational Group’s project**
- Supporting **innovation support services**



**Horizon 2020
(European projects)**

- **Research projects**, to provide the knowledge base for innovative actions
- **Interactive** innovation formats: **multi-actor projects and thematic networks** genuinely involving farmers, advisors, enterprises, etc.... **“all along the project”**

AKIS Art 102

**EIP
(CAP) networks
MS/regions**

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

**Involvement of OGs is
strongly recommended**

EIP-AGRI – Where are we?

- ✓ *27 Member States, 98 rural development programmes implementing the EIP*
- ✓ *Around 3 200 OGs planned in 2014-2020; around 1000 OGs already running – still 3 years to go (n+3)*
- ✓ *190 H2020 multi-actor projects, including 29 + 5 thematic networks*
- ✓ *A growing and thriving network*

An increasing volume of practice-oriented knowledge !



www.eip-agri.eu

Having potential innovative knowledge is one thing, turning it into reality is another.

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

Thomas Alva Edison – inventor of the light bulb

CAP post 2020 Commission Communication "The future of Food and Farming" on the future for advice and AKISs, explaining the rationale:

*“The European Innovation Partnership for Agricultural Productivity and Sustainability (EIP-AGRI) and the European Innovation Partnership on Water have proven their value in mobilising the agricultural sector for innovation. It has funded multi-participant pilot projects and is networking across Europe to make new knowledge generally available. Its **success depends on the combined performance** of advisors, agricultural training and educational systems, researchers and farmer organisations often referred to as the **Agricultural Knowledge and Innovation System (AKIS)** which operates very differently from one Member States to another.*

*The role of the farm advisor stands out as particularly important. **A modern CAP should support the strengthening of farm advisory services within the AKIS systems. This should become a condition for the approval of CAP Strategic plans.**”*

CAP post 2020 Commission Communication "The future of Food and Farming" on the future for advice and AKISs, explaining the rationale:

- *The rationale for these sentences is that the efficiency and effectiveness of advisory services can best be upgraded by **improving their connections within the Agricultural Knowledge and Innovation Systems and sharing knowledge and innovative applications more intensively.***
- *See SWG SCAR-AKIS Policy Brief on the Future of Advisory services on advisor's future interactive competences, interconnections and roles*
https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/policy_brief_on_the_future_of_advisory_services_scar_akis_06102017.pdf
- *To perform such an upgrade of advisory services, a transition period is needed. Therefore a **Strategic AKIS plan will form a part of the CAP Strategic Plans to be approved.***

Provisions on modernisation in the CAP Plan Regulation

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



THE 9 COMMON OBJECTIVES



CAP Strategic Plans

Member States shall draw CAP Strategic Plans, setting targets, defining interventions and allocating financial resources, in line with the specific objectives and identified needs.

Content of the plans (Art. 95)

- a) **an assessment of needs;**
- b) **an intervention strategy;**
- c) a description of elements common to several interventions;
- d) a description of the direct payments, sectoral and rural development **interventions** specified in the strategy;
- e) **target and financial plans;** (=> INDICATORS)
- f) a description of the governance and coordination system;
- g) **a description of the elements that ensure modernisation of the CAP;**
- h) a description of the elements related to simplification and reduced administrative burden for final beneficiaries.

Integrated approach for modernisation, innovation and knowledge flows: Overview of relevant AKIS provisions

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 togetherand 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

Art 113
CAP networks:
Fostering innovation and knowledge exchange

An integrated approach supporting innovation and knowledge flows



Researchers

AKIS

Advisers



Education

Farmer

Businesses

at the centre of the integrated Agricultural Knowledge and Innovation System (AKIS) to support modernisation, innovation and knowledge flows

Organisations

Media



Modernisation through CAP Strategic AKIS Plans

With respect to **modernisation** (art.102), 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:

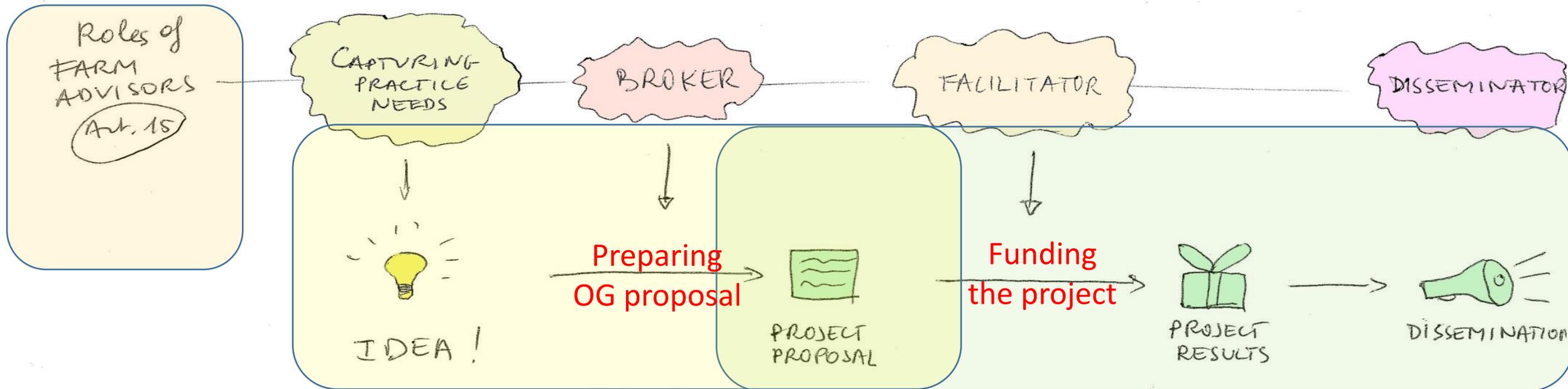
- **The organisational set-up of the AKIS (SWOT)**
- **How advisors, researchers and CAP networks will work together within the framework of the AKIS, and**
- **How advice and innovation support services are provided**

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

Art 13 and 72: Farm advice to be 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 in the AKIS in an inclusive way (no more FAS),*
- ✓ *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*
- ✓ *AKIS system must cover provision of Innovation support, in particular for preparing and implementing Operational Group projects of the EIP AGRI*

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
- +

Demonstration on farm could play a key role in each of these steps

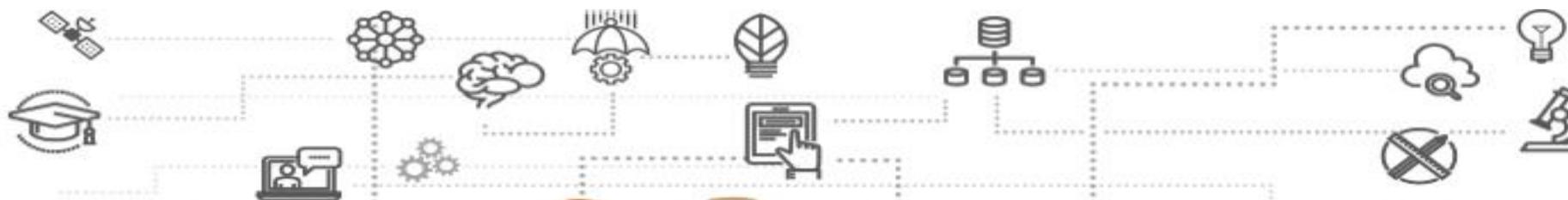
How can CAP networks help strengthening innovation and knowledge exchange on all 9 CAP objectives?

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**



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 10 billion in **Horizon Europe** for food, agriculture, rural development and the bio-economy.



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



AKIS projects in Horizon 2020, to be continued in HE...

- A great **set of AKIS-supporting Horizon 2020 projects**:
 - A variety of themes to spread existing knowledge to practice: 34 **Thematic Networks** already (see Annex)
 - 3 projects on **demonstration** of best practices & demofarm inventory (Farm Demo)
 - **2 EU Advisory networks** : Fairshare (digital tools), I2Connect (interactive facilitation)
 - Project zooming in on **multi-actor approach** (Liaison)
 - Science on **advisory approaches** (Agrilink)
 - On **knowledge reservoirs** (Euraknos, Eureka), etc....

From projects to networking and starting to deepening their work together (Thematic Networks event on 11 June 2019, ESEE) !!

**CAP 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”**

Good practices on strengthening AKISs in countries? (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,...

Future post 2020: Further info and context

Impact assessment on Modernisation

(made in preparation of the CAP Commission Proposal):

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=SWD%3A2018%3A301%3AFIN>

Document 3: encloses Annex 6 of the **CAP Impact Assessment** – promoting modernisation

Read about the 4 strands to strengthen AKIS:

1. Enhancing Agricultural Knowledge and Innovation Systems (AKIS) and strengthening links with research (page 105)
2. Strengthening of farm advisory services within the Agricultural Knowledge and Innovation Systems (page 108)
3. Enhancing interactive innovation (page 110)
4. Supporting digital transition in agriculture (page 113)

Future post 2020 - Further info and context

Brief "What is AKIS": https://ec.europa.eu/info/food-farming-fisheries/key-policies/common-agricultural-policy/future-cap_en

- **EIP seminar on AKIS:**

<https://ec.europa.eu/eip/agriculture/event/eip-agri-seminar-promoting-creativity-and-learning>

- **EIP brochure on AKIS:**

<https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-brochure-agricultural-knowledge-and>

- **SWG SCAR-AKIS Policy Brief on the Future of Advisory Services:**

https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/policy_brief_on_the_future_of_advisory_services_scar_akis_06102017.pdf

Improving national AKISs ultimately forming an "EU AKIS"

*Speed up creativity and
practice application*

*Better connectivity and
quicker circulation of
information*

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

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

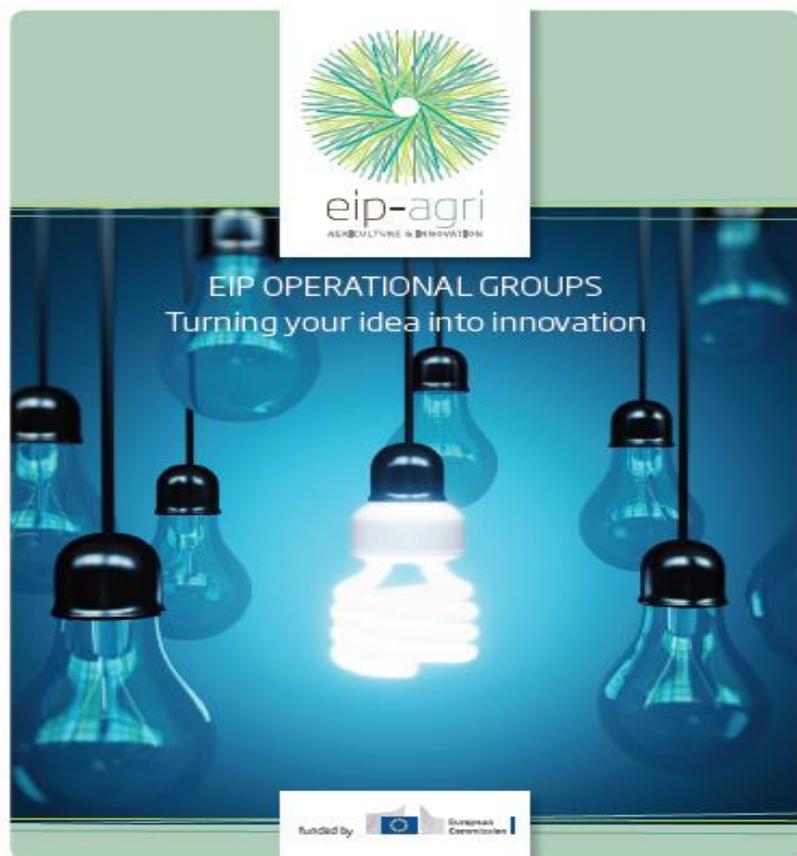
More information and events:

www.eip-agri.eu

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

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Thank you for your attention!





H2020 bottom-up Thematic Networks

How? Learn from experience calls 2014-2018

A short film:

One of our thematic networks (Hennovation) explains how the interactive innovation model works in their project

<https://youtu.be/mVsW4--ex0M>

Helps to build capacity for AKIS actors on how to innovate together