

COMMON AGRICULTURAL POLICY

Post-2020

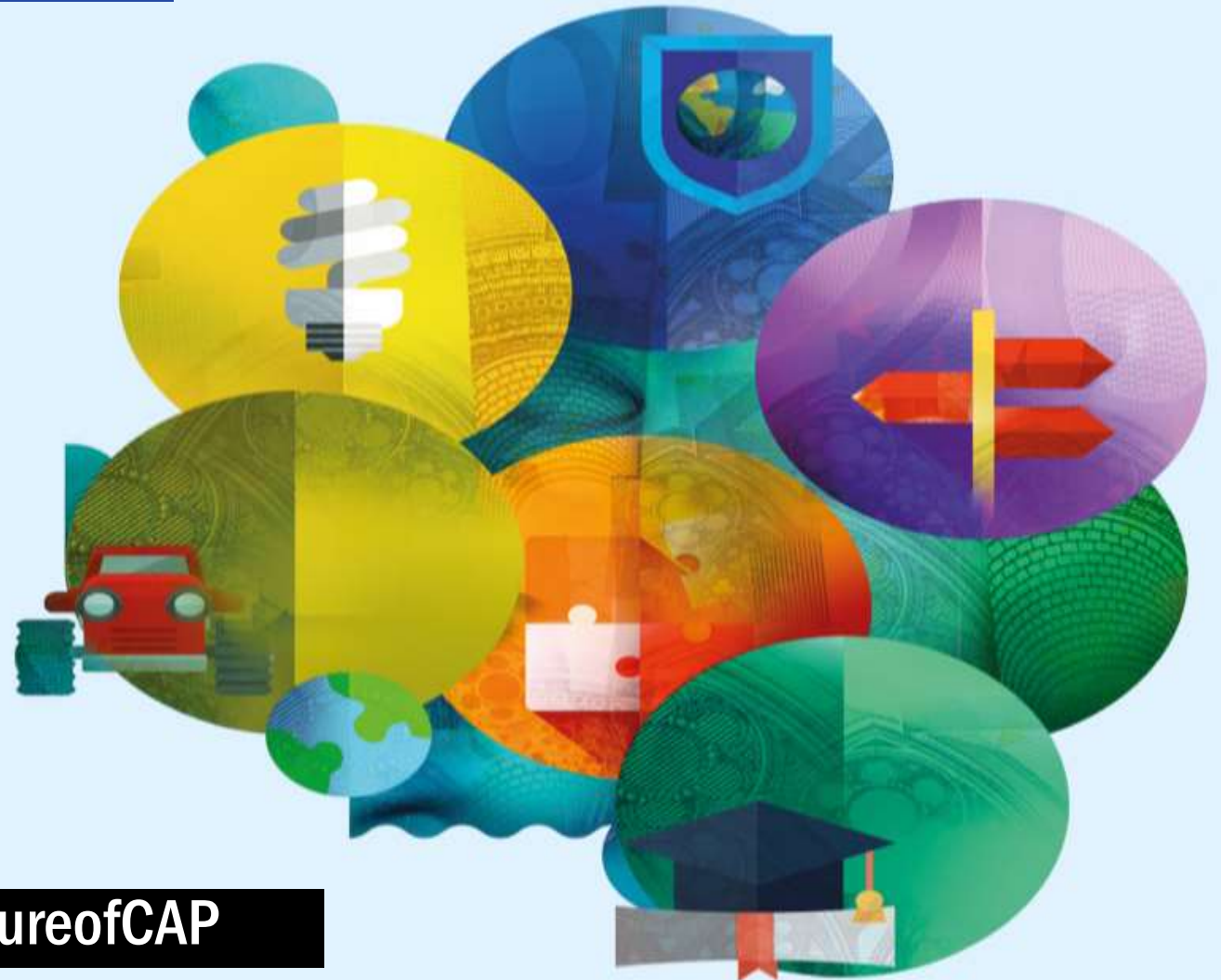
*AKIS, Farm advice
and Innovation Networking*

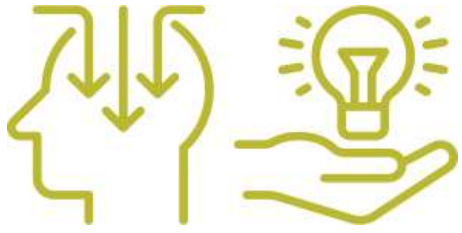
SWG SCAR-AKIS - 15 April 2019 - Dublin

Inge Van Oost

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.*

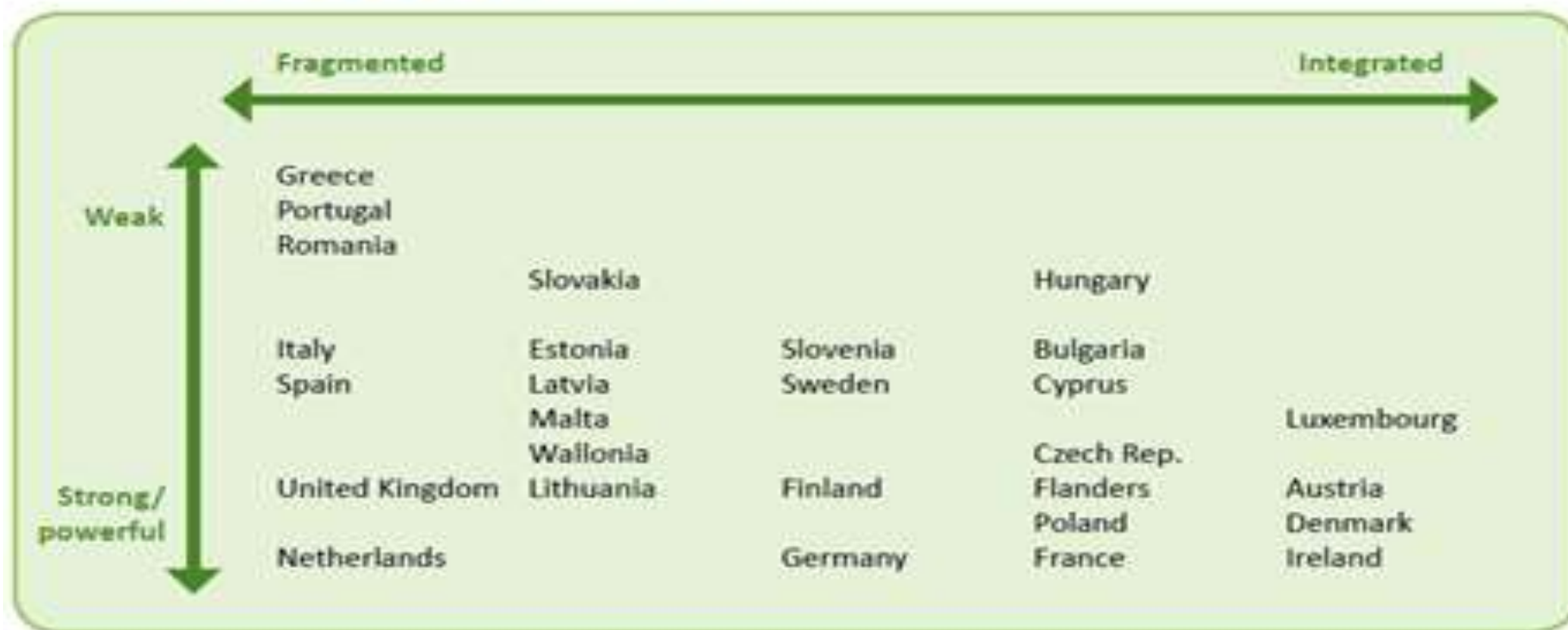
Brief "What is AKIS": https://ec.europa.eu/info/food-farming-fisheries/key-policies/common-agricultural-policy/future-cap_en



European
Commission

PROAKIS study: Characterising MS' AKIS

An overview (as of 2014)



The EIP-AGRI in short

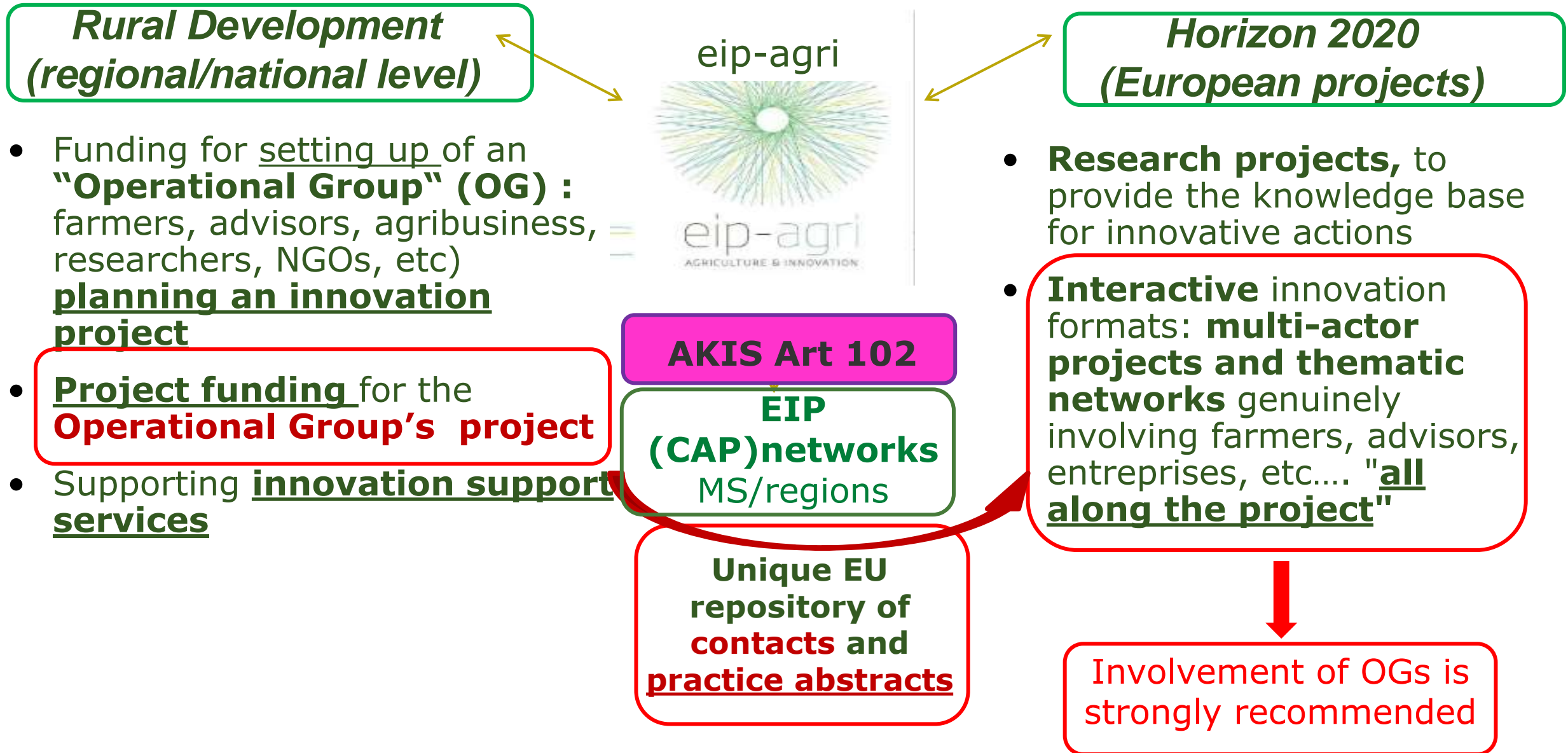


- 2010: European Innovation Partnerships want to speed up innovation through **cooperation and linking** existing policies and instruments
- EIP "Agricultural productivity and sustainability" launched in 2012: "more and better from less", "ideas put into practice with success", impact by end-users becoming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



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)*
- ✓ *Around 180 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



European
Commission

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

INCREASE COMPETITIVENESS



ENSURE
VIALE INCOME



REBALANCE
POWER IN FOOD CHAIN



CLIMATE CHANGE
ACTION



ENVIRONMENTAL
CARE



PRESERVE
LANDSCAPES
& BIODIVERSITY



SUPPORT
GENERATIONAL RENEWAL



VIBRANT
RURAL AREAS



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



THE 9
CAP
OBJECTIVES

**Cross-cutting objective
KNOWLEDGE & INNOVATION**



European
Commission

Art 71-72 are a key part of an integrated approach supporting modernisation, innovation and knowledge flows



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

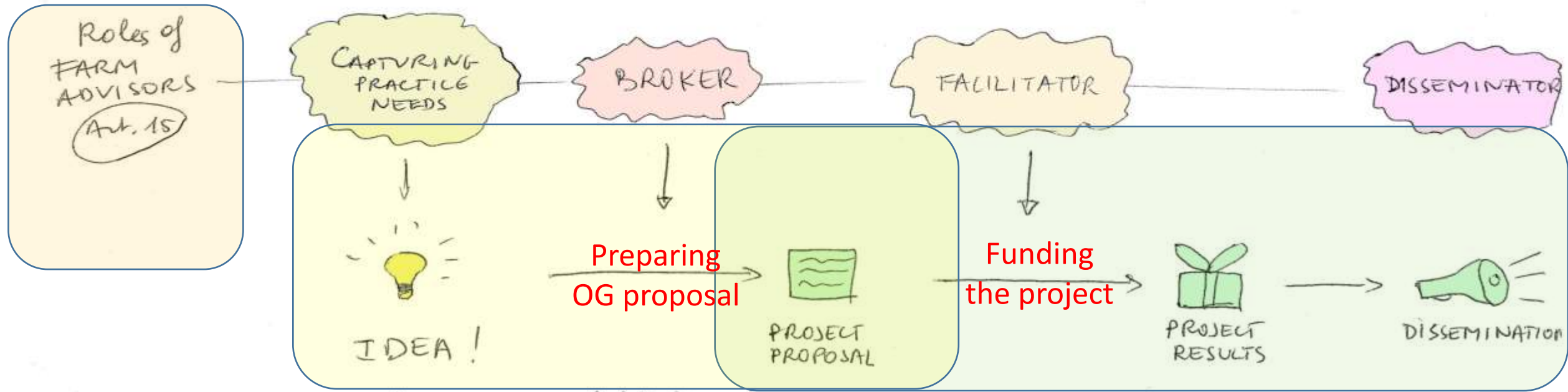
How can CAP networks help strengthening innovation and knowledge exchange on all 9 CAP objectives?

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**

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 in 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*

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
- +



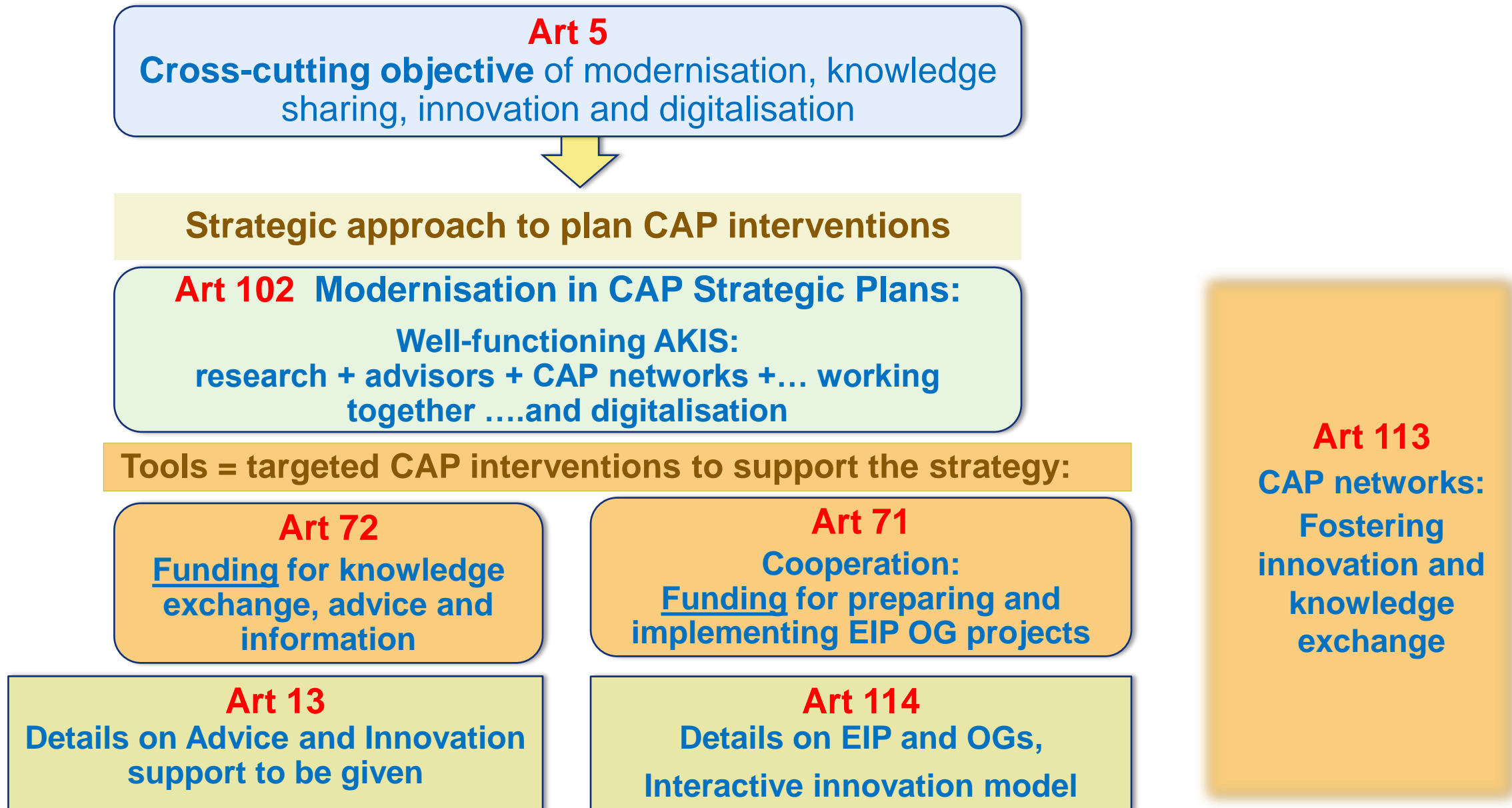
TOOLBOX FOR A KNOWLEDGE- BASED AGRICULTURE

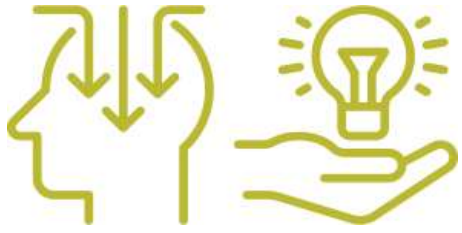
- > **Cross-cutting objective** on knowledge, innovation and digitalisation (CAP Art. 5)
- > Each **CAP strategic plan** will include a section on how to stimulate the exchange of knowledge and innovation & digital technologies in agriculture (CAP Art. 102)
- > **Strengthening of MSs'/regions'** Agricultural 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)

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





The AKIS at the heart of the agricultural innovation ecosystem

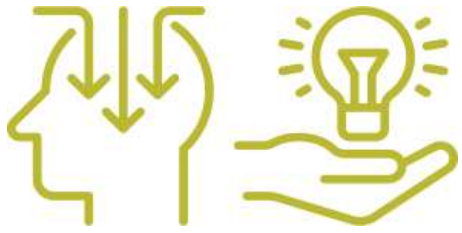
Indicators in the Commission proposal – according to New Delivery Model

Annex 1 of the Commission regulation on Strategic plans

Impact, result and output indicators (Art 7)

IMPACT - Assessment of the performance of the policy (multi-annual)

EU cross-cutting objective: Modernisation	Indicator
Fostering knowledge, innovation and digitalisation in agriculture and rural areas and encouraging their uptake	I.1 Sharing knowledge and innovation: Share of CAP budget for knowledge sharing and innovation



The AKIS at the heart of the agricultural innovation ecosystem

Indicators in the Commission proposal

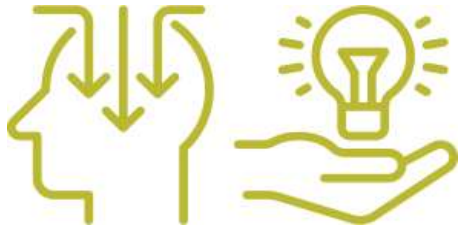
Annex 1 of the Commission regulation on Strategic plans

RESULT - Annual performance review (only based on interventions supported by the CAP)

R.1 Enhancing performance through knowledge and innovation: Share of farmers receiving support for advice, training, knowledge exchange, or participation in operational groups to enhance economic, environmental, climate and resource efficiency performance.

R.2 Linking advice and knowledge systems: number of advisors integrated within AKIS (compared to total number of farmers)

R.3 Digitising agriculture: Share of farmers benefitting from support to precision farming technology through CAP



The AKIS at the heart of the agricultural innovation ecosystem

Indicators in the Commission proposal

Annex 1 of the Commission regulation on Strategic plans

OUTPUT – Annual performance clearance (broad types of interventions)

Agricultural Knowledge and Innovation Systems (AKIS)	Output indicators
European Innovation Partnership for agricultural knowledge and innovation (EIP)	O.1 Number of EIP operational groups (Art 114 - 71)
	O.2 Number of advisors setting up or participating in EIP operational groups (Art 72)

Learn from current networking: EIP seminar 18/10/2018



- How to get useful projects up and running?
- How to support and network OGs ?
- How to improve their impact?
- How to improve further collaboration?

https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/field_event_attachments/eip-agri_sem-spoletto-2018_margarida_ambar_types_of_networking.pdf

- An overview of various approaches already used to **support the networking and improve impact** of Operational Group (OG) projects was made on Day 2
- These type of events can form **part of the CAP Strategic Plans on AKIS (Art 102)**. It is useful to engage with various authorities and organisations (Ministries of Agriculture, Research, Innovation, Environment, advisory bodies, farmers' organisation and networks etc well in advance to collect ideas and to coordinate future actions => **form "AKIS coordinating bodies", be pro-active !!**
- If indeed well planned in advance, **such events could make use of funding from the interventions under Article 72, 71 or 112 => now is the time to brainstorm and plan ahead**

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

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***

How 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,...



The European Innovation Partnership (EIP)
„Agricultural Productivity and Sustainability“
Speeding up knowledge exchange and innovation



Thanks for your attention

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