



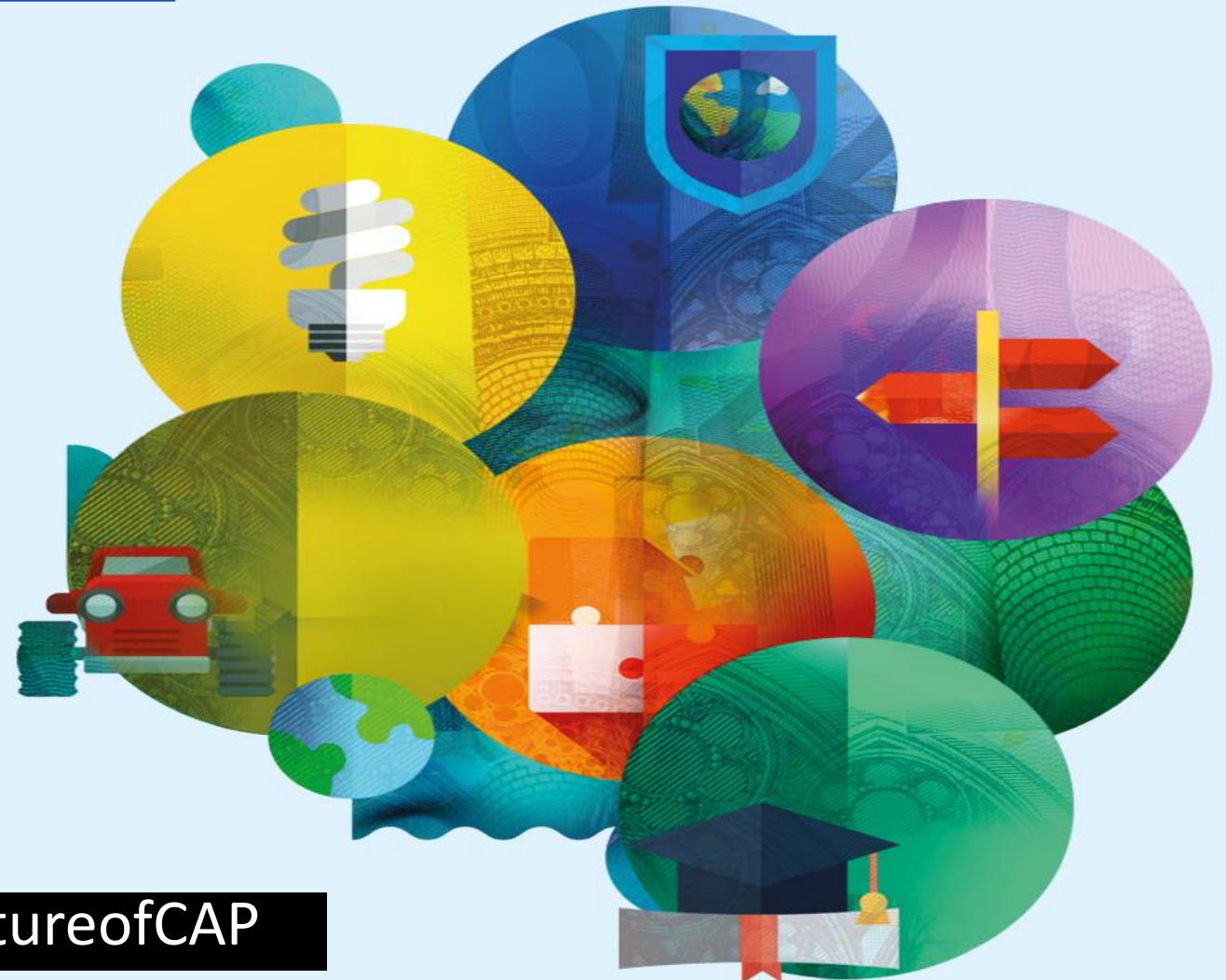
COMMON AGRICULTURAL POLICY

Post-2020

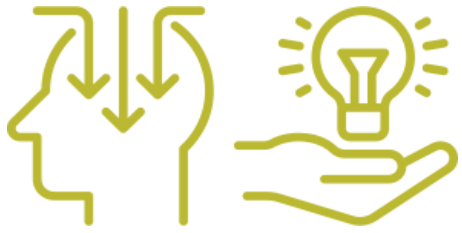
*EIP AGRI and perspectives for
AKIS in the CAP post 2021-2027*

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#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**.

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!

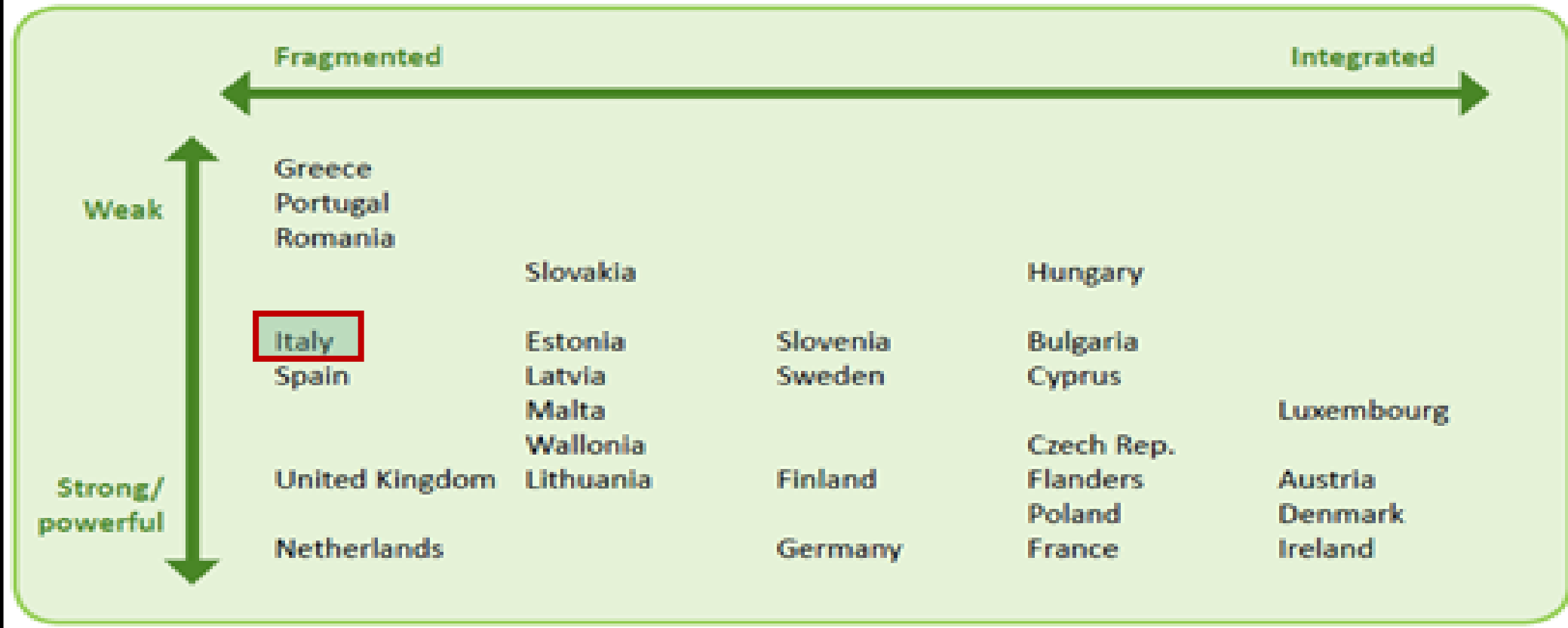
Why: The aim is to create a **regional/national innovation ecosystem** by enhancing **knowledge flows** between the AKIS players as well as strengthening links between research and practice.

EIP OGS

PROAKIS study: Characterising MS' AKIS



An overview (as of 2014)



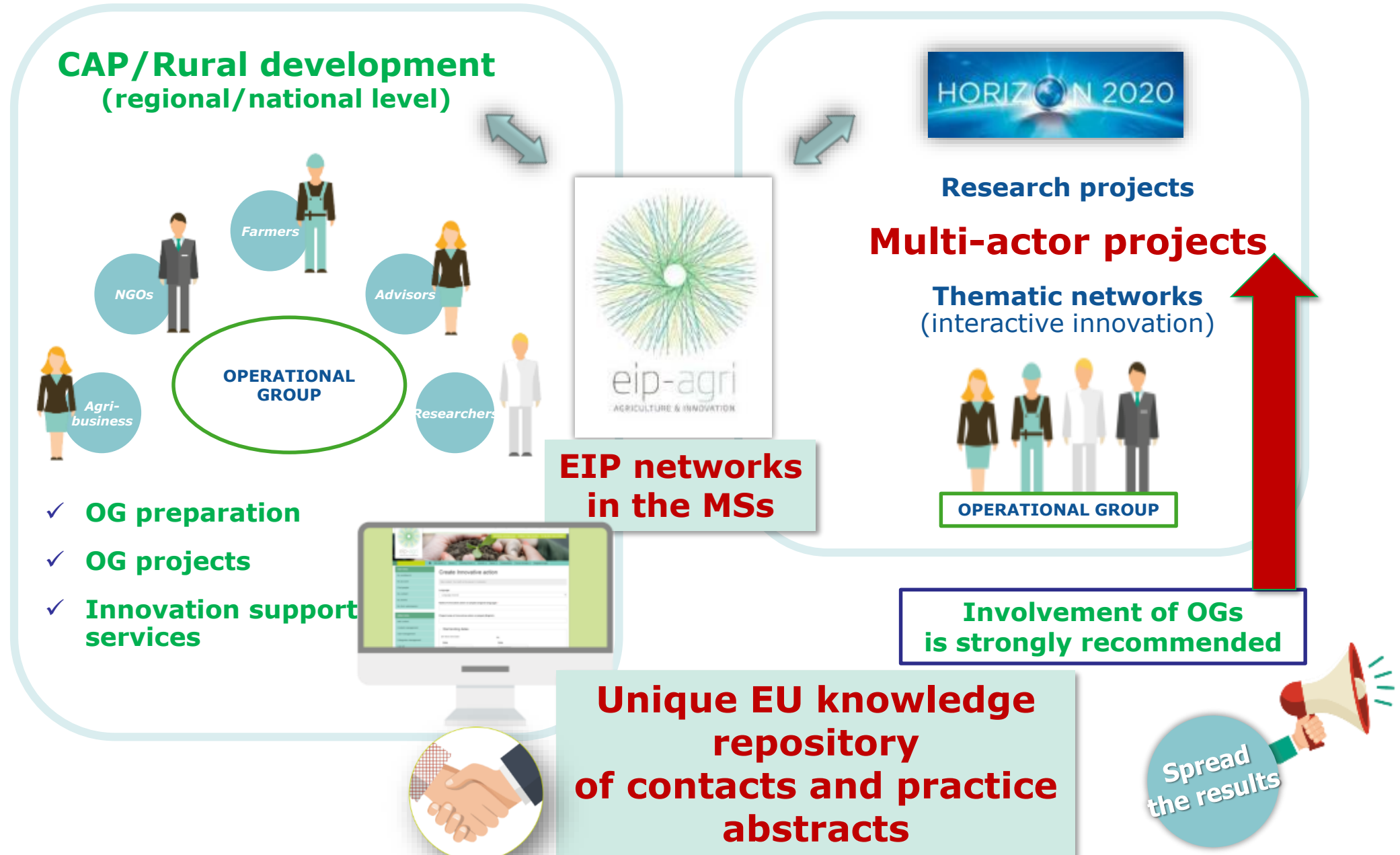


- 2010: European Innovation Partnerships want to speed up innovation through **cooperation and linking** existing policies and instruments
- EIP "Agricultural productivity and sustainability" launched in 2012: "more and better from less", "ideas put into practice with success", impact by end-users becoming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

Connecting policies: the bigger EIP picture



EIP-AGRI – Where are we in this period 2013 - 2020?

- ✓ *27 Member States, 98 rural development programmes implementing the EIP*
- ✓ *Around 3 200 OGs in RDPs 2014-2020; around 1500 OGs running or finished, many more planned (2021 + 3)*
- ✓ *Around 180 H2020 multi-actor projects, including 34 thematic networks*
- ✓ *A growing and thriving network*

An increasing volume of practice-oriented knowledge !

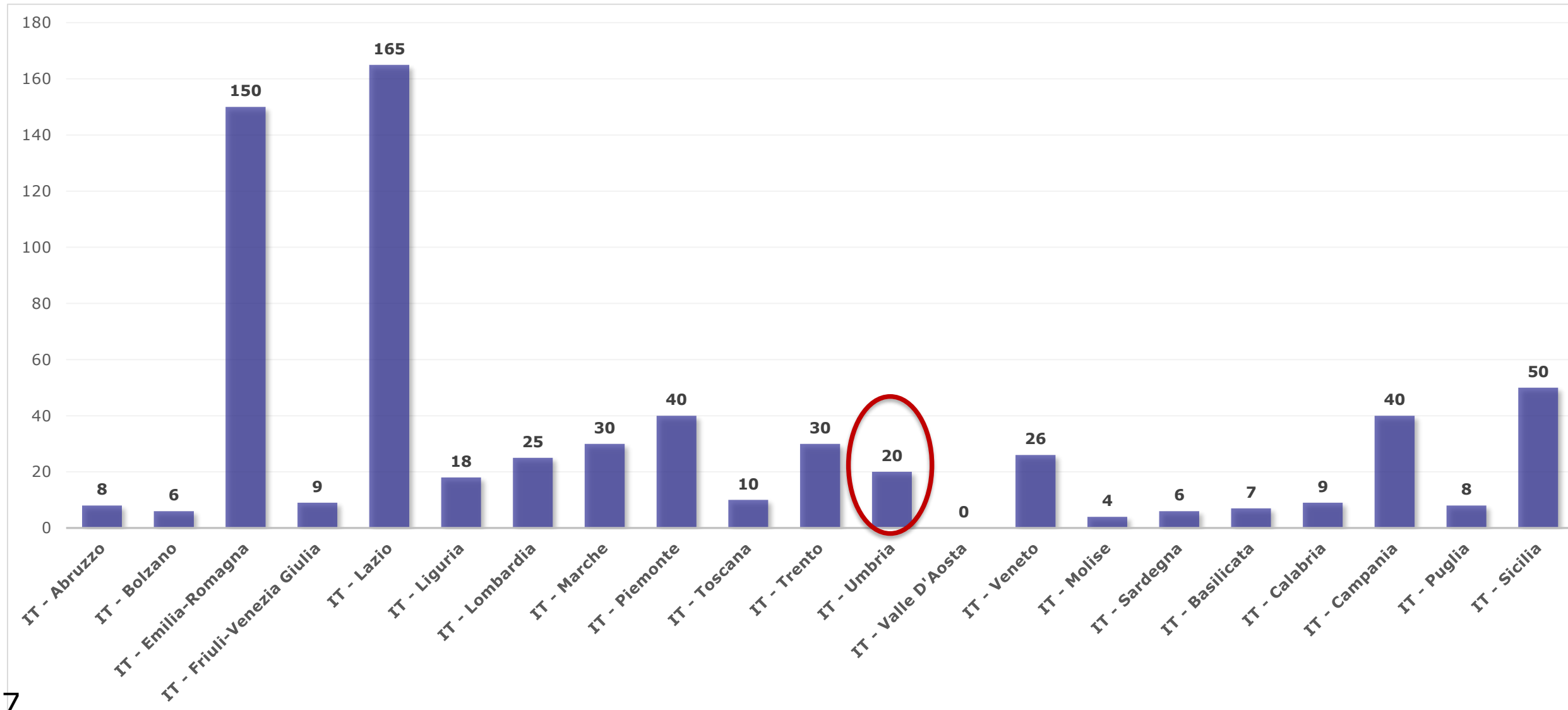


www.eip-agri.eu

EIP OGS in Italy

Source: RDPs as updated December 2019

661 OGS in Italy,
Tackling farmers/foresters' needs
611 mio Euro in M16





**Conclusions external OG assessment study
finalised Feb 2019**

<https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-operational-groups-assessment-2018>
includes a list with 600 OGs

Conclusions

- OGs focus on **tackling farmers' needs** in a practical and collaborative way
- ▶ OGs prove a **unique, versatile and flexible framework** to address various concrete bottom-up farmers' challenges/needs
 - ▶ OGs do connect the farmer's community with **complementary external expertise** to help solve these challenges in variety of partnership compositions
 - ▶ OG partnerships are indeed set up to co-develop new/adapted methods, tools, solutions, **directly applicable by farmers**

Conclusions

Confirmed **great interest** in the EIP-AGRI OG framework and instrument

- ▶ **91% of OGs are positive** about their experience and **would recommend** other actors/organisations to become involved in an OG project
- ▶ Some MS launch a set of OG calls, both open and thematic aspects
- ▶ OG partners highlight such projects **could not have been realised with other national or European funding frameworks** (*focus farmers' needs & co-creation is unique*)

Conclusions

Partnership and project structures in three circles help connecting and disseminating to farmers' communities

- ▶ OG partnership usually consist of a few **core partners**, complemented by group of partners for practical parts of the project (2nd circle)
- ▶ Regular interaction and involvement of **wider target group** built into project structure through testing & demo activities
- ▶ **3rd circle of up to 100 farmers/end-users not formally part of the partnership**, testing new solutions in real farming practice and providing direct feedback
- ▶ This structuring ensures **efficient project coordination** while providing **practical feedback mechanism and dissemination channels** to farmers' community

• *Conclusions*

Outcomes and dissemination

- ▶ OGs devote substantial attention to **dissemination in a variety of ways** throughout the project
- ▶ OGs interestingly **link rural-agricultural community with other sectors and industries**
- ▶ OGs can **test** and prepare the field and motivate beneficiaries **for agri-environmental measures in the next RD programme**

Support

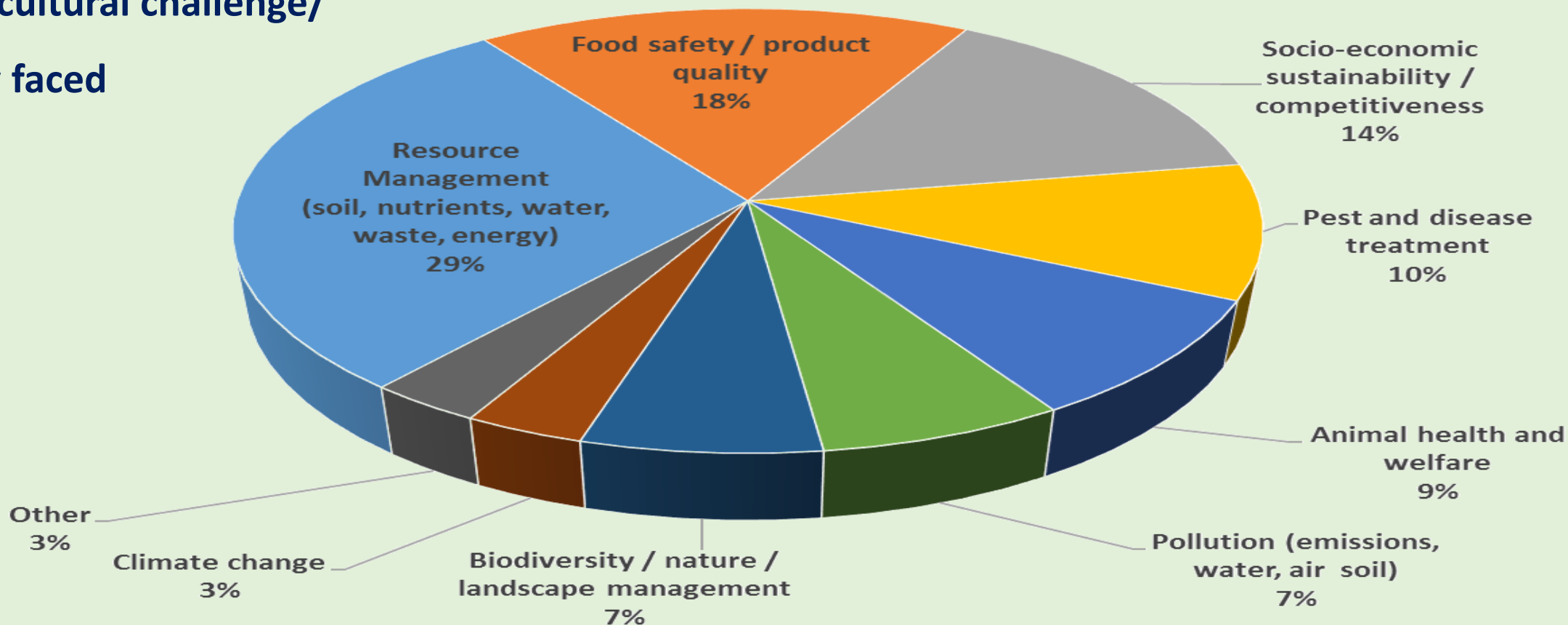
- ▶ OGs **satisfied with administrative support** received: useful advice from Managing Authorities
- ▶ **Innovation support services also important** in setting up the right partnership structure and preparing the application (12%)

*Conclusions: OGs as **vehicles to connect** to other (rural) innovation initiatives and actors*

- ▶ OGs are **now discovering the collaboration potential** beyond the scope of the **own OG**, and interested to explore further, even if no priority in current period yet
- ▶ 90% of OGs **established relations with organisations outside the partnership** or intend to do so, even though the current funding framework cannot cover all the costs for this
- ▶ **Need to better facilitate this**, e.g. by more structured and accessible information on the themes and approaches of OGs
- ▶ OGs would welcome **more pro-active support** for this by national/regional support structures (Innovation support!)
- ▶ Discover the importance to **communicate** about OGs in a timely and complete way
 - ▶ making information available via SFC (EIP Common format) to make connections outside the OG possible (other OGs, H2020 projects, etc), ...

600 OG - 14 MS EIP OGs assessment – clustering analysis (data Feb 2018)

Type of agricultural challenge/
opportunity faced



Provisions on knowledge and innovation in the CAP Plan Regulation post 2020

**Funding innovative projects (EIP reloaded).....
...integrated in a whole innovation ecosystem
=> (improving AKISs)**

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.***



THE 9 COMMON OBJECTIVES

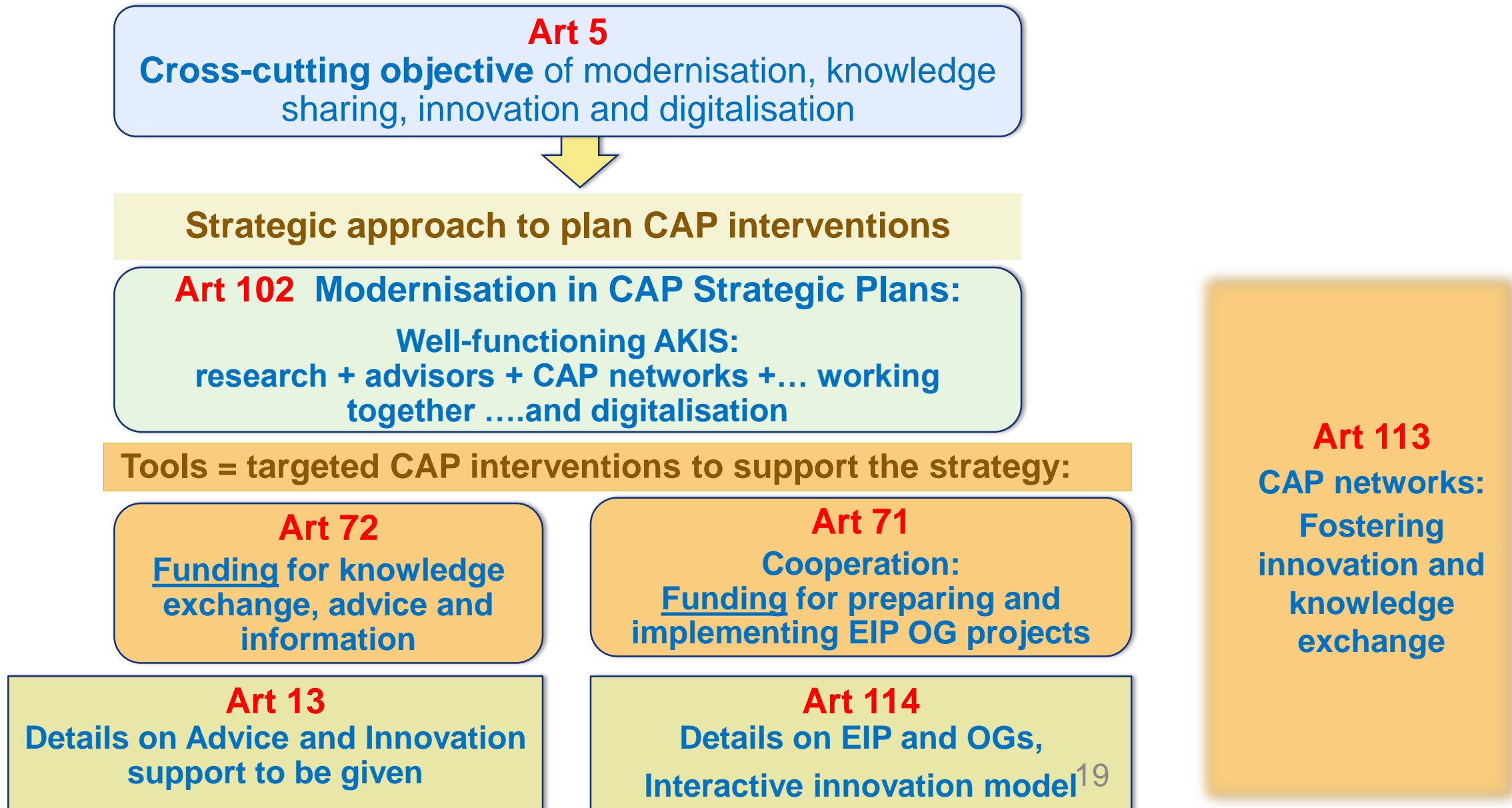


Cross-cutting objective KNOWLEDGE & INNOVATION

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



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



CAP Strategic AKIS Plans (Art.102 on modernisation)

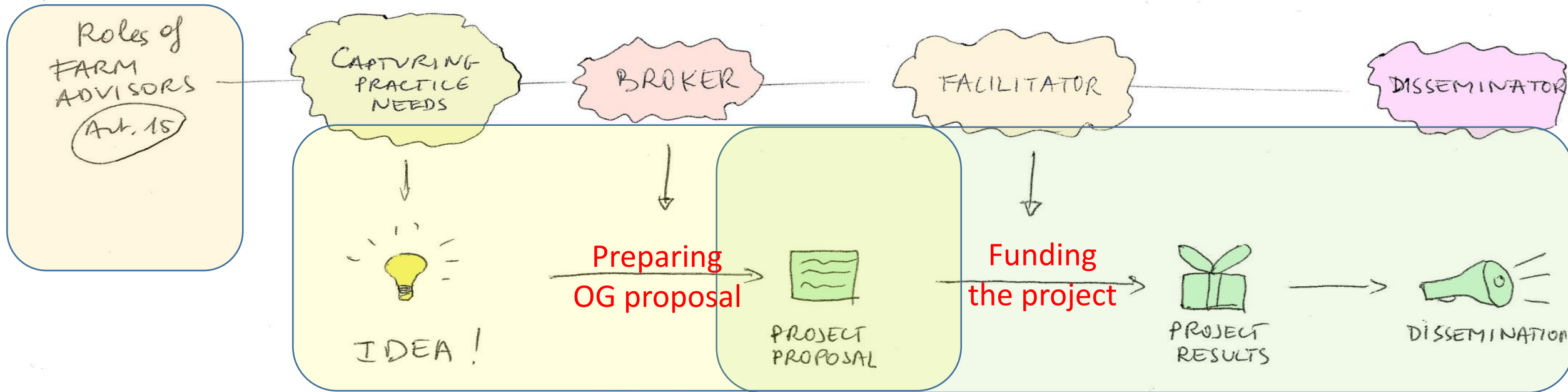
The CAP Strategic Plans shall contain:

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

Art 72 and 13: Farm advice now organised within the AKIS structures through CAP AKIS 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*
- ✓ *Obligation for advisory services 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
- +

How will 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 for practice** 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**

CAP post 2020 – AKIS, advice and innovation – state of play negotiations (1)

Council Working Party: discussions ongoing under FI presidency:

MS are overall happy with Commission proposal, including:

- Continuation of support for preparing and implementing OG innovative projects, as well as for EIP networking

Principles of interactive innovation (same as in EIP guidelines): detailed in Art 114

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

⇒ Do not underestimate the entrepreneurial creativity of end-users in innovation projects

(Idem Horizon 2020 WP page 9-11, and Horizon Europe)

- Higher than normal EU co-funding for OG projects (**up to 80%**), OGs in average 150-200.000 euro
- Possibility of **advance payments** for OG projects (**up to 50%**)

CAP post 2020 – AKIS, advice and innovation – state of play negotiations (2)

- **Obligation to integrate and update advisors within the AKIS (Art 13)**
- **Obligation and funding to provide innovation support (Art 13)**
- Broad support for types of knowledge exchange and advice (Art 72)

A number of further improvements since June 1018:

Art 3: definition of AKIS

Art 72: linking the **support for advice with coherent AKIS plans**

Art 113: introduction of the **possibility for existing OGs to cooperate**,
funded by Technical Assistance or Art 72 => CROSS-FERTILISATION

Art 114: introduction of **funding for cross-border OG projects**

European Parliament: voted compromise amendments on 2/4/2019: no substantial changes

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



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,...

Handover AKIS4 report to Commissioner Hogan on 26 Sep 2019



Phil Hogan
@PhilHoganEU

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

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

We should involve all actors, from farmers to researchers, in developing knowledge and innovation. This is the only way we can meet today and tomorrow's challenges!
[#FutureofCAP](https://twitter.com/FutureofCAP)



Building AKISs

Inspirational AKIS4 Report available at: https://ec.europa.eu/info/news/knowledge-and-innovation-unlocking-potential-food-and-farming-2019-sep-26_en

(paper copies can be asked to Inge.Van-Oost@ec.europa.eu)

*Read in particular sections 1.2 to 1.5 and **chapter 4** on the post 2020 approach for advisory services*

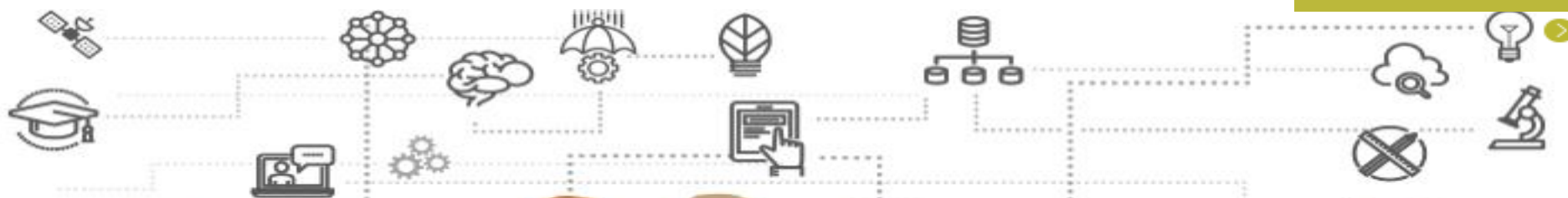
***Speed up creativity and
practice application***

***Better connectivity and
quicker circulation of
information***



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)

Future post 2020 - Further info and context

Brief "What is AKIS": https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key_policies/documents/building-stronger-akis_en.pdf

- **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

Thank you!

The AKIS4 report will help....

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

**See in particular sections 1.2 - 1.5 (What is AKIS & possible actions for
CAP AKIS Strategic Plans)
and chapter 4 (advisors and advisory instruments and functions)**

Inge.Van-Oost@ec.europa.eu