



COMMON AGRICULTURAL POLICY

Post-2020

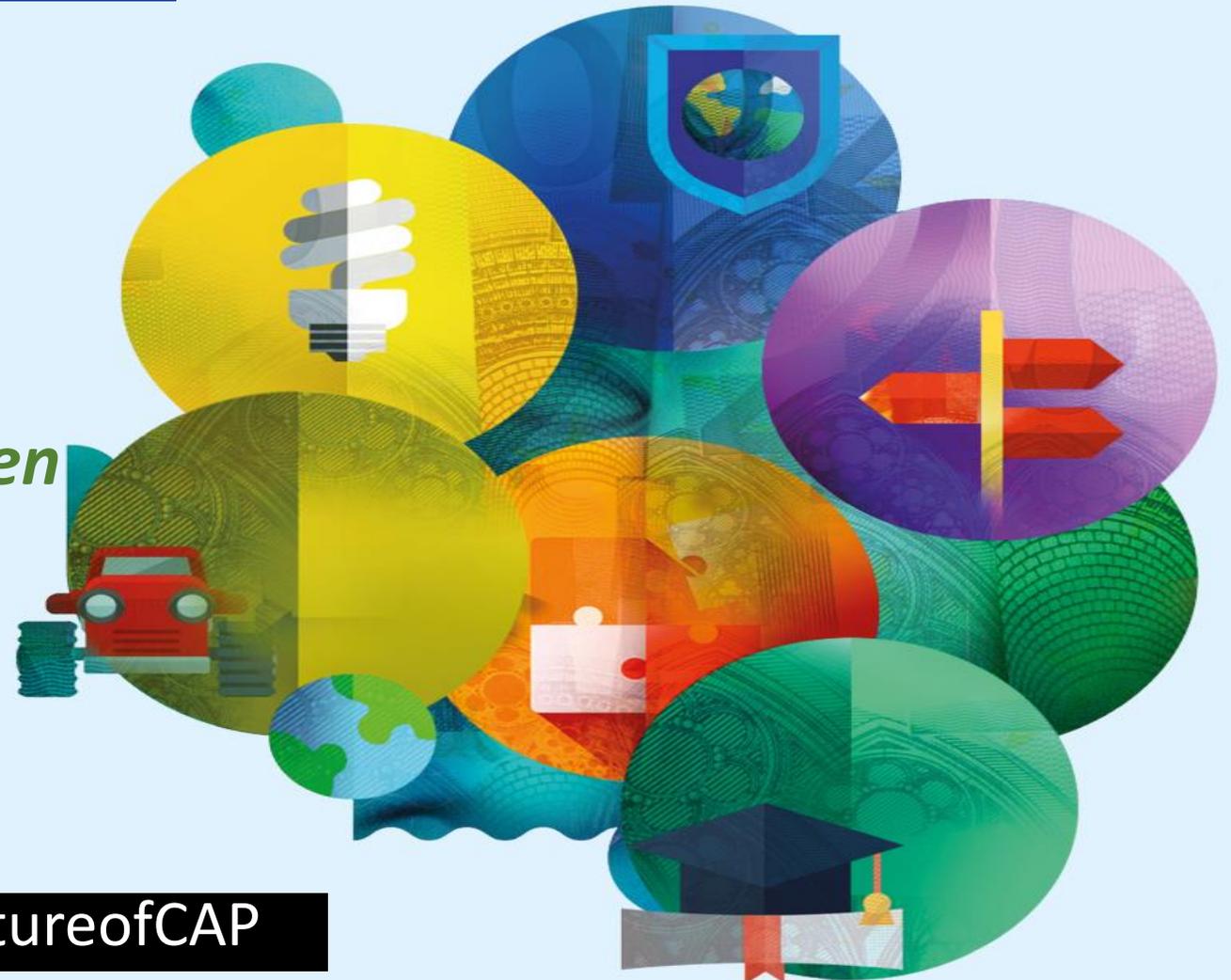
*Wat kan EU AKIS support betekenen
voor kennis ontwikkeling &
kennisverspreiding in Nederland?*

Inge Van Oost

DG AGRI - Unit D.1

24 Maart 2022 - AKIS webinar 2

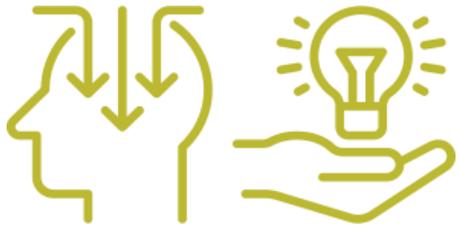
Nederland



#FutureofCAP

1. AKIS strategiën in de GLB plannen





What is een Agricultural Knowledge and Innovation System (AKIS)?

Wat: *AKIS is de organisatie en interactie van personen, organisaties en instellingen die kennis en innovatie voor landbouw en aanverwante gebieden gebruiken en produceren. (definitie)*

Wie: *De belangrijkste actoren in de AKIS zijn: boeren/bosbouwers, adviseurs, onderzoekers, (boeren)organisaties, NGO's, netwerken, onderwijs, retailers, media, diensten, verschillende ministeries,....*

Waarom: *Het doel is om een regionaal/nationaal innovatie-ecosysteem te creëren door de kennisstromen tussen de AKIS-actoren te vergroten en de banden tussen onderzoek en praktijk te versterken*

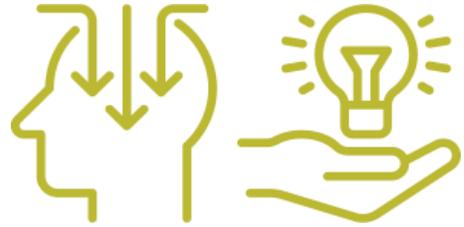
Brief "Wat is AKIS": https://ec.europa.eu/info/sites/info/files/food-farming-fisheries/key_policies/documents/building-stronger-akis_en.pdf

AKIS is het hart van het landbouwinnovatie-ecosysteem =>

Transversale GLB-steun om systematisch kennis en innovatie in landbouw en plattelandsgebieden te delen, **inclusief alle**

landbouw- en plattelandsactiviteiten die er automatisch

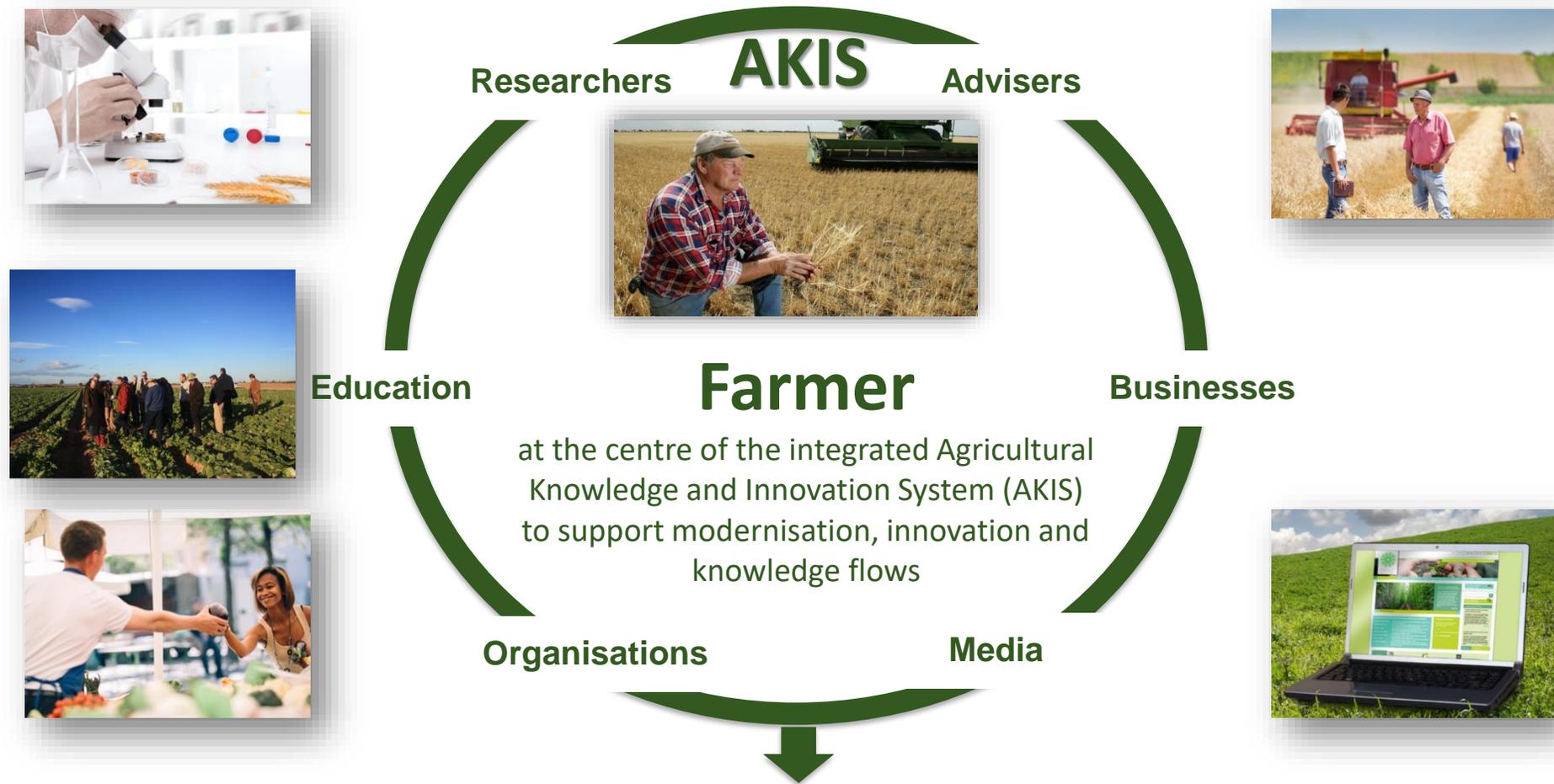
betrekking mee hebben (= milieu, klimaat, biodiversiteit, landschap, bos, consumenten en burgers , voedsel- en non-food systemen, inclusief transformatie- en distributieketens, enz.)



Waar komt de **AKIS** policy vandaan?

*In hun verklaring van 2008 stelden de onderzoekers van het Permanent Comité voor Landbouwkundig Onderzoek (SCAR) dat **het klassieke lineaire onderzoeksmodel niet meer functioneert om echte impact te hebben bij de eindgebruiker**. Het huidige CAP AKIS-beleid en zijn interventies maken gebruik van de ervaringen van lidstaten. Experts van ongeveer 24 lidstaten van de SCAR Strategic Working Group verzamelden deze in het AKIS4-rapport en baseerden het rapport op hun discussies en eigen praktijkervaringen. In het rapport wordt veel over AKIS in al zijn aspecten toegelicht en een lange reeks mogelijke acties en concrete voorbeelden gegeven. Het rapport is beschikbaar op de Europa "Future CAP"-website en heet "Preparing for future AKIS in Europe". Je kan het hier downloaden: <https://ec.europa.eu/info/food-farming-fisheries/key-policies/common-agricultural-policy/future-cap#innovation> of een papieren versie vragen*

Waarom AKIS? IMPACT! Een versterkt AKIS verbindt alle AKIS-actoren en zorgt voor kennisstromen binnen lidstaten zowel als over de grenzen heen



AKIS-coördinatie en -structurering zullen de actoren op een gestructureerde en regelmatige basis samenbrengen, waardoor continue interactie ontstaat om kennisuitwisseling, kennisstromen, innovatie en vooral: implementatie in de praktijk te versnellen

EIP-AGRI in het kort: dezelfde principes in AKIS: we hebben elkaar nodig

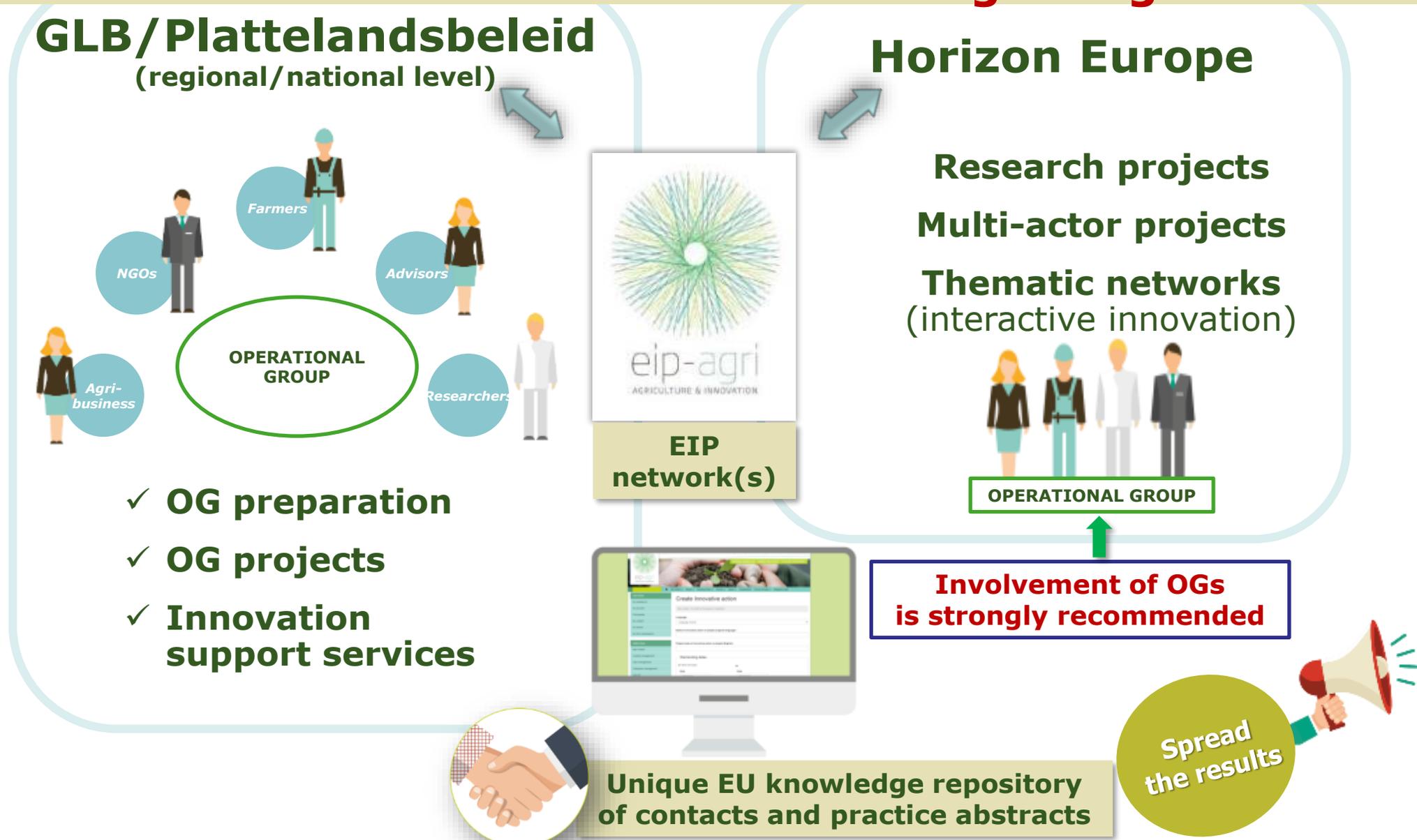


- EIP-AGRI werkt met "*Open innovatie*" door het gebruik het "**interactive innovatie model**" (in RD Operationele Groepen and Horizon Europe Multi-Actor projecten):

Samenwerking tussen verschillende **relevante** actoren om **complementaire soorten kennis** (wetenschappelijk, praktisch, organisatorisch, enz.) optimaal te benutten met het oog op **co-creatie en snelle verspreiding** van oplossingen/kansen die **klaar zijn om in de praktijk te worden geïmplementeerd.**

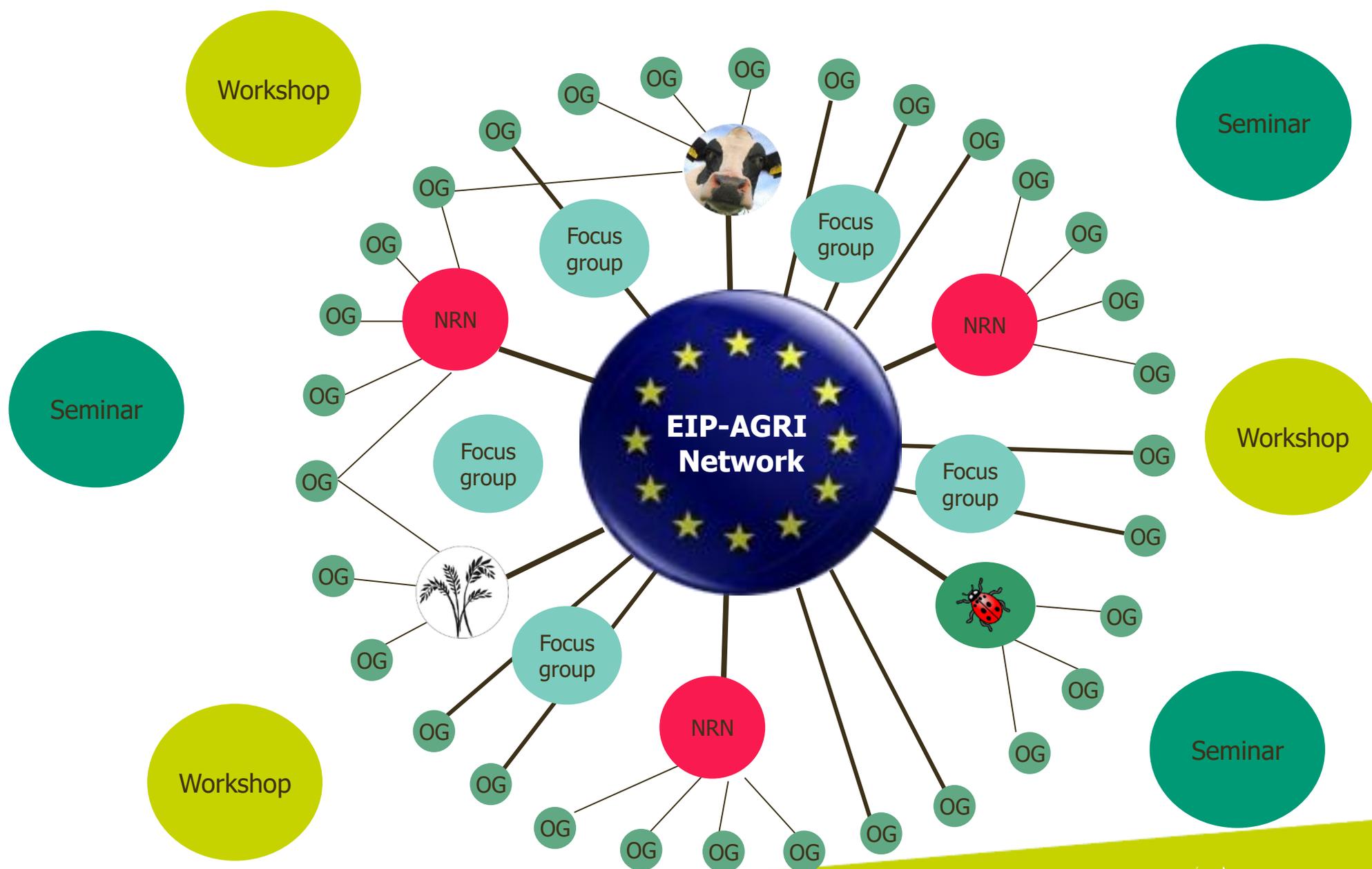
- **Het EU EIP network en de nationale EIP netwerken** connecteren actoren: communication, partnering, dissemination, knowledge flows and collecting practice needs (*Open science*)

Het hele EIP plaatje zorgt voor synergie tussen onderzoeks- en landbouwpolitiek: **Hoe vind je elkaar? => AKIS is nodig en de adviseurs moeten er ook in worden geïntegreerd**



EIP-AGRI SF ondersteunt AKIS op EU-niveau

- AKIS actoren samenbrengen in netwerk events over heel Europa
- De nationale CAP netwerken en AKIS contact punten:
 - Peer to peer werking
 - Inspirerende voorbeelden delen
 - Thematische inbreng and inspiratie van Focus Groepen, workshops en seminars
 - Cross-border uitwisseling van Operational groepen faciliteren
 - Brokerage activiteiten
 - En meer (bv Horizon Europe synergieën verzorgen)



funded by



European
Commission



eip-agri
AGR CULTURE & INNOVATION

Voorbeelden van Focus groep rapporten:



EIP-AGRI Focus Group Reducing emissions from cattle farming

FINAL REPORT
SEPTEMBER 2017



EIP-AGRI Focus Group Nutrient Recycling

FINAL REPORT
November 2017



EIP-AGRI Focus Group Profitability of permanent grassland

FINAL REPORT
12 APRIL 2016



EIP-AGRI Focus Group Precision Farming

FINAL REPORT
NOVEMBER 2015

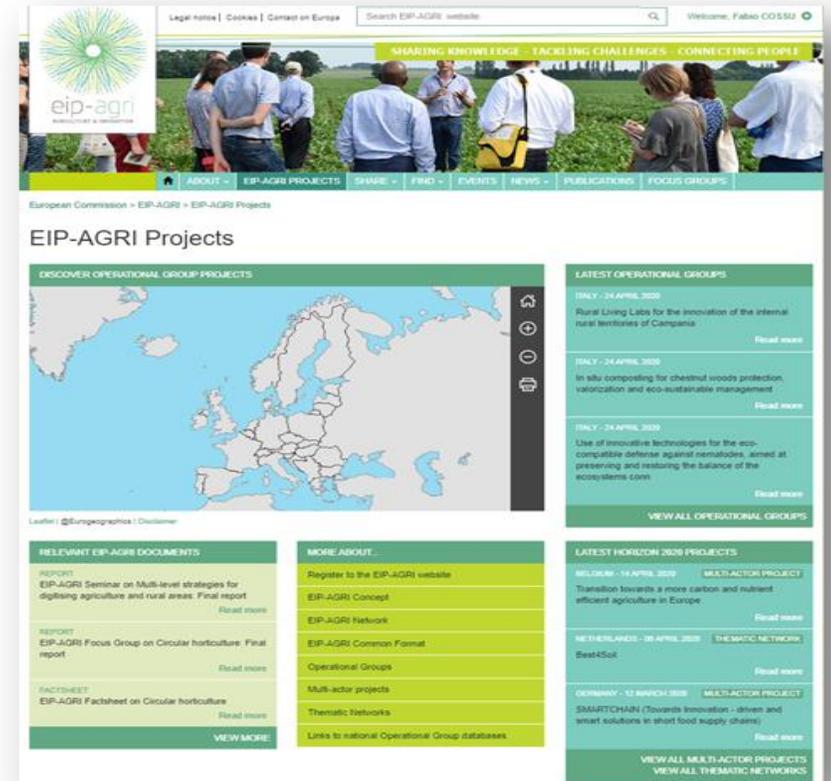
Landbouw wordt steeds kennis intensiever



EIP-AGRI – Waar staan we nu?

- ✓ 26(27) lidstaten, 98 plattelands programma's passen EIP Operationele Groep "innovatieve projecten" vrijwillig toe
- ✓ Ongeveer 3 200 OGs waren aanvankelijk gepland in **de eerste 7 jaar** vanaf 2014 (nu al 4000); meer dan 2500 OGs zijn klaar of zijn nog aan het werk (ze hebben nog bijna 4 jaar) + **plannen 6500 OGs voor de volgende 5 jaren**
- ✓ 190 multi-actor projecten onder Horizon 2020 (2/3 van alle AGRI projecten) voor 1 miljard Euro
- ✓ Een groeiend en bloeiend netwerk, maar ook

Een steeds stijgend volume praktijk georiënteerde kennis die georganiseerd moet worden!



www.eip-agri.eu

EURAKNOS & EUREKA have prepared the 'FarmBook' project, an EU wide knowledge reservoir for practice (Aug 2022 - 2029)



Categories ▾

Search

About Help

LOG IN

EN ▾

RETURN TO OVERVIEW

554 likes 0 comments

The title of this interesting article

January 12, 2018

By Joseph Stevens, Katherine Youth and Forest advisment Smart-Akis

>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Enim neque volutpat ac. Curabitur blandit tempus porttitor. Donec id elit non mi porta gravida at eget metus. Aenean lacinia bibendum nulla sed consectetur.



More info

Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit.

Related links

Link one

Link two

Link three

Slimme zoekfuncties (AI)

FORESTRY X

CROP FARMING X

LOG IN

EN ▾

meertalig

Educatie
materiaal

Quantificeer-
baar (Likes)

554 likes

0 comments

Commentaar
mogelijk

Related links

Link one

AKIS Interactie in practice communities

2. Horizon Europe Cluster 6

9 miljard € for 7 years, de helft zijn MA projecten met synergiën met EIP OG innovatie projecten



AKIS & EIP-AGRI – bereiden een EU knowledge reservoir voor de praktijk voor dat de back-offices van adviseurs zal helpen voor innovatie steun en competent advies, en ook de innovatie activiteiten van het GLB network

- ✓ **FARMBOOK:** Lidstaten plannen of hebben nu al **kennis databanken**, we moeten ervoor zorgen dat ze interoperable worden, dat niet elk land iets maakt wat het volgend land dan weer herhaalt – kosten sparen door samenwerking!
- ✓ **MODERNAKIS** project (2022-2029) helpt lidstaten leren van elkaar hoe je een goed AKIS opbouwt en wat goede steunmaatregelen kunnen zijn (ervaringen uitwisselen en nieuwe actoren trainen)
- ✓ **ATTRACTISS** project (2022-2027) helpt de uitbouw van innovatie steunpunten over heel Europa en deelt de kennis erover



AKISs over de hele EU bouwen en linken:

***Creativiteit en toepassing
in de praktijk versnellen***

***Beter geconnecteerd zijn om
information vlugger te delen***

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.

<https://ec.europa.eu/eip/agriculture/en/event/preparing-cap-strategic-plans-role-innovation>

Speeding up knowledge exchange and innovation 2.0



Dank voor jullie aandacht

Inge Van Oost – DG AGRI Unit D.1 – Research and Innovation

Inge.Van-Oost@ec.europa.eu



European
Commission

Questions?

The SWG SCAR 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 What is AKIS?, 1.3 Multi-actor projects, 1.4 thematic networks, 1.5 possible actions for CAP AKIS Strategic Plans) and chapter 4 (Advisors and advisory instruments and functions)



Summary CAP post 2020 –in force on 1/1/2023

- **The CAP Strategic Plans regulation provides many new or improved tools for AKIS** under the Cross-Cutting Objective:
 - **Farm advice**: 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 events, including for advice, demo and training, **thematic and cross-sectorial events**
 - Obligation to provide **innovation support for OGs** - from grassroots ideas
 - **CAP networks** (Art. 113): will connect existing OGs & interact with **Horizon Europe NCPs** (seminar June 2021 on EIP website)
 - EIP Operational Groups (Art. 114): **80% cofinancing instead of 43%**
 - **Advance payments up to 50%**
 - **State Aid derogation till 350.000 Euro project**
- **CAP Strategic Plans** to be submitted formally to the Commission by 1/1/2022



COVERING ALL THE 9 COMMON CAP OBJECTIVES



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**

Interaction of CAP networks within 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 **CAP innovation networking with Horizon Europe National Contact Points**: a monthly encounter could be useful
2. **Promote and make MA & OGs visible**: database with all OGs & MA projects in the MS + contacts + thematic categorization. Useful for HE Thematic networks and MA projects as well as for cross-border OGs
3. **Follow the yearly Horizon Europe calls and be pro-active**: present the MA topics to OGs, make a brokering event MA-OGs, advisors and researchers, think about cross-border events around specific topics in a topic where OGs could join. Horizon consortia should better enabled to find the OGs they would like to have in their project thanks to better functioning AKISs, in which good linkages are constructed.
4. Also when **Horizon projects are running, OGs or their partners should still be invited** to events of their interest, and vice versa: give them support (NCPs)

2 main instruments for future AKIS:

- 1. Innovation support service –**
"Innovation hub" (which model? One-stop
"out of the box" –hub taking care of cross-cutting
issues + interacting with sector specialist hubs?)
- 2. Back-office for advisors –**
"knowledge hub"

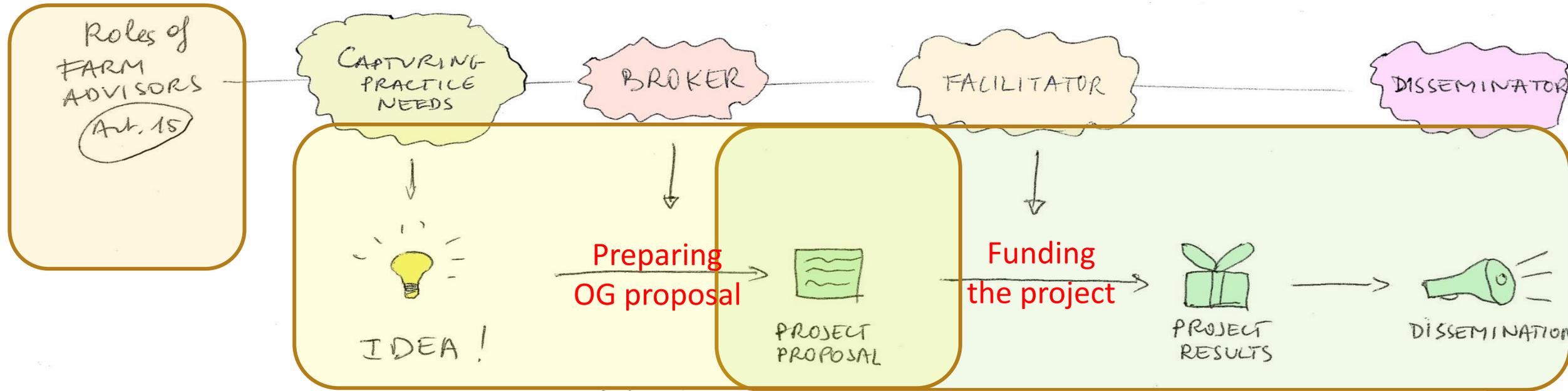
section 4.2 of the SCAR AKIS 4 report

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
- Brochure on innovation support services:
<https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-brochure-innovation-support-services>



New roles for farm advisors in interactive projects, e.g. EIP OGS



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
- **Bridge** between CAP and Horizon programmes as innovation support service?

Innovation brokering function - How to capture ideas?

- **Capturing bottom-up ideas from the grass-roots level**
- **Helping to formulate Practice abstracts and web tools/pages**
- **Getting an innovation project ready to start** by acting as a go-between: helping single actors which might have difficulties in finding the adequate partners.
- **A close connection with and understanding of agriculture is important.**
- **A cross-cutting approach** beyond existing sectors, regions, initiative and institutes brings added value
- Different approaches may be useful e.g. vouchers etc ("**simplified cost**") for easier use and reduction of administrative burden – **Art 77**

Innovation Support Service functions

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

1. **Brokering** function: **OBLIGATORY**
2. Coordination and **facilitation** of projects as an intermediate between partners: **OBLIGATORY**
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*

Skills for Innovation brokers

1. Be able to **listen** to understand exactly the problem/opportunity and the context
2. Be capable to **analyse** the problem/opportunity: how can it be tackled in the best possible way (costs, actors, funding source etc)?
3. Have a good **network to find** people and information
4. Have **intermediating skills** to seek compromises where needed
5. Be **quality orientated**: plans made have to work out eventually, responsibilities taken, don't create audit problems
6. Where useful, **think out of the box** and do not defend your own position/research

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

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”



COMMON AGRICULTURAL POLICY

Post-2020
Legislative proposals

*Designing CAP Strategic Plans to
improve the structuring of AKIS:
Summary of ideas for interventions have
been collected in the SWG SCAR AKIS 4 report*

#FutureofCAP



Interventions related to AKIS strategy and digitalisation

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,...

Examples and ideas for CAP AKIS Strategic plans of MSs (SCAR AKIS members) , as collected in the AKIS 4 report

section 1.5 of the SCAR AKIS 4 report



1.5.1 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 – role for advisors?**
- **Funding:** Technical Assistance fund & Art 72 for actions and national funding, re-organisation of tasks within research bodies.

1.5.1 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, advisors and networks into one building**(+education, farmers' organization, food cluster, etc.): co-location is cheap, efficient and informal

1.5.3 Incentivize interactive innovation projects

- Involvement of education and young people in OGs (use ERASMUS project to share your summer school results, try to influence also the regular courses in universities and high schools)



- 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

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

Main AKIS action points in post 2020 CAP plans by MS :

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 by MS :

- 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 calls**” (e.g. OGs on bottom-up grassroots ideas + on specific environmental challenges, on piloting digital tools & measures, on social innovation). Also initiate **cross-sectorial** and **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 + provide training to advisors**. **The AKIS system must integrate all** advisors, public and private: no more silos or separated Farm Advisory System. Holistic and interactive advice, **mobility** budget for advisors.

Main AKIS action points post 2020 CAP by MS :

5. **A substantial 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, and with **innovation support services**
 - National and **EU advisory networks**
 - **Public digital advisory tools** reducing maintenance costs: e.g. 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
 - An **AKIS coordination body**, (inter)acting as the **spider in the AKIS web of the country, interconnecting all key AKIS influencers**