

The European Innovation Partnership (EIP) „Agricultural Productivity and Sustainability“

Moving Innovation in Agriculture Ahead !



SWG SCAR AKIS 4 – Warsaw– 26 June 2018

Inge Van Oost - DG Agriculture and Rural Development

1. EIP Workprogramme activities

Focus groups 2013-2018

- 31 Focus Groups (FG) finished/ongoing
- Last 2 Focus Groups starting up activities now:
FG 32 – Non chemical weed management in arable cropping systems
FG 33 – Pests and diseases of the olive tree

<https://ec.europa.eu/eip/agriculture/en/content/focus-groups>

FOCUS GROUP 32:

Non chemical weed management in arable cropping systems

Context

- Dependency on the use of pesticides, notably herbicides, which has helped boost productivity.
- Seek to reduce use of pesticides due to potential impacts on the environment, animal and human health.
- Need to assess alternative preventive and curative management techniques as well as risk perceptions in weed strategies.

Question:

- ➔ What are the options for non-chemical weed management in arable cropping systems?

Main issues addressed

- **Inventory** and clustering of non-chemical weed management practices;
- Challenges and opportunities regarding their **implementation**, notably in terms of reliability and cost effectiveness;
- **Drivers and barriers** related to the adoption of these practices by farmers;
- **Interaction** with other issues (carbon sequestration, nutrient losses, soil degradation, biodiversity, etc.);
- **Collect good practices and success stories**, also based on OGs and previous EIP and research activities;
- Inspiration for future OGs and innovative projects;
- Identify outstanding R&I and other needs



FOCUS GROUP 33:

Pests and diseases of the olive tree

Context

- Several insects, diseases, nematodes and weed pests affect olive trees, and the number of those occurrences have dramatically increased over the last years, causing serious damages to the overall olive production.
- Recognizing and understanding the nature of these pathogens and understanding the interactions between crop, climate, environment and pathogens are essential to minimize crop losses and economic damage.
- Explore more sustainable farming practices, including using non-chemical pesticides tackling the whole cycle of diseases and pests in olive production: their prevention, detection, management and control.

Question:

- ➔ How to increase the sustainability of olive growing taking into account the risks brought by pests and diseases?

Main issues addressed

- **Inventory** of the main pests and diseases affecting the olive trees, including their distribution and economic impact.
- Summarise **how expected climatic changes are likely to impact** the distribution and occurrence of such pests and diseases as well as their impact on olive growing.
- **Take stock of good farming practices** across different regions in Europe regarding the whole cycle of diseases and pests in olive production, including IPM strategies and organic olive production.
- **Explore potential solutions** to manage pests/diseases based on agro-ecological principles such as biodiversity.
- Highlight both existing **drivers and barriers** in pest/disease management in olive production, including the socio-economic dimension.
- Identify needs from practice and possible gaps in knowledge which may be solved by further research.
- Suggest innovative solutions and provide ideas for EIP-AGRI Operational Groups and other innovative projects.

EIP-AGRI Focus Group		Main question	State of play
1	Organic farming – Optimising arable yields	Why do yields vary so much between organic farms; how can this yield gap be minimised?	Final report Factsheet Brochure
2	Protein crops	What does the feed sector need in terms of protein? Why is EU farming not able to deliver? Why is EU farming in protein crops not competitive? How can this be remedied?	Final report Brochure
3	Animal husbandry - Reducing antibiotic use in pig farming	How to enhance animal health and welfare to reduce the need for antibiotics? What are the alternatives to antibiotics? How to change human habits, attitudes and behaviour in order to reduce the use of antibiotics in livestock production?	Final report Brochure
4	Genetic resources – Cooperation models	What are the bottlenecks that limit cooperation between the different types of stakeholders? How can cooperation between the different types of stakeholders be promoted?	Final report Factsheet Brochure
5	Soil organic matter content in Mediterranean regions	How can we improve soil organic matter content in the Mediterranean region in a cost-effective way? What new solutions for securing soil functionality and soil fertility can be proposed in this regard?	Final report Factsheet Brochure*
6	IPM for Brassica	What cost-effective IPM solutions are there for Brassica? What other solutions can be proposed?	Final report Factsheet Brochure
7	High Nature Value – Farming profitability	How to make HNV farming more profitable without losing the HNV characteristics?	Final report Factsheet
8	Mainstreaming precision farming	How to organise the data capture and processing to mainstream the application of precision farming for an optimisation of inputs and yield?	Final report Factsheet
9	Profitability of permanent grassland	How to manage permanent grassland in a way that combines profitability, carbon sequestration and biodiversity?	Final report Factsheet
10	Fertiliser efficiency – Focus on horticulture in open field	How to use innovative fertilisation and nutrient recycling to solve the conflict between the need for crop fertilisation and legislative requirements regarding water quality?	Final report Factsheet
11	Optimising profitability of crop production through Ecological Focus Areas	How can EFAs, more specifically landscape features and buffer strips and their management, contribute to the profitability of crop production?	Final report Factsheet
12	Innovative short food supply chain management	How to stimulate growth of short food supply chains in Europe, both in terms of numbers of producers involved and volumes traded, to increase farm income?	Final report Factsheet

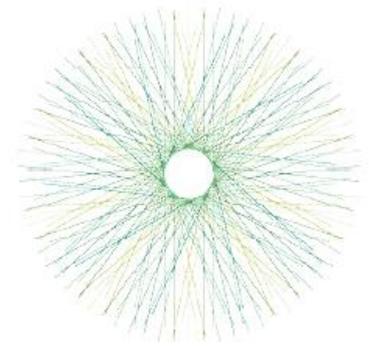


EIP-AGRI Focus Group		Main question	State of play
13	IPM practices for soil-borne diseases	How to suppress soil-borne diseases (fungi and nematodes) in vegetables and arable crops and how to enhance cross-fertilisation between different crops and agricultural systems?	Final report Factsheet Brochure*
14	New entrants into farming	Which patterns characterise new entrants in farming and what can be learnt from them to foster innovation and entrepreneurship in agriculture?	Final report Factsheets
15	Water & agriculture	What farm level adaptation strategies exist or can be developed to deal with water scarcity?	Final report Factsheet Brochure
16	Mixed farming systems: Livestock/cash crops	How to develop livestock / cash crop interactions and promote their benefits as a sustainable alternative to farm or territorial specialisation?	Final report Factsheet
17	Benchmarking farm productivity and sustainability performance	How can farmers and advisers use benchmarking data and process to improve productivity and sustainability performance?	Final report Factsheet
18	Livestock emissions – Reducing emissions from cattle farming	How to reduce cattle livestock emissions in a cost-effective way for farmers?	Final report Factsheet
19	Nutrient recycling	How to improve the agronomic use of recycled nutrients (N and P) from livestock manure and other organic sources?	Final report Factsheet
20	Sustainable mobilisation of forest biomass	How to improve the sustainable mobilisation of biomass from our forests in the EU?	Final report Factsheet
21	Robust and resilient dairy production systems	How to create good conditions for dairy cattle husbandry in different production systems?	Final report Factsheet
22	Agroforestry: introducing woody vegetation into specialised crop and livestock systems	How to develop agroforestry as a sustainable farming system which can boost agricultural productivity and profitability?	Final report Factsheet
23	Diseases and pests in viticulture	How can we increase resilience of grape vines to pests and diseases and support the productivity of the sector in sustainable ways?	Ongoing 2 nd meeting held
24	New forest practices and tools for adaptation and mitigation of climate change	Which new practices and tools can improve the climate mitigation and adaptation potential of EU forests?	Ongoing 2 nd meeting held
25	Grazing for carbon	How to increase the soil carbon content from grazing systems?	Ongoing 2 nd meeting held
26	Carbon storage in arable farming	Which cost-effective farm management practices and tools could foster and ensure long-lasting carbon storage in arable farming contributing to climate change mitigation?	Ongoing 1 st meeting held
27	Circular horticulture	How to increase circularity in protected horticulture?	Ongoing 2 nd meeting held
28	Enhancing production and use of renewable energy on the farm	How to enhance production and use of renewable energy on the farm?	Ongoing 2 nd meeting held
29	New feed for pigs and poultry	Which are the promising new sources and strategies to reduce pressure on natural resources while feeding or producing feed for pigs and poultry?	Ongoing 1 st meeting to be held in June
30	Protecting fruit production from frost damage	How to protect fruit from frost damage?	Ongoing 1 st meeting to be held in June
31	Reducing food loss on the farm	Which new on-farm practices and technologies can limit food loss?	Ongoing 1 st meeting to be held in September

EIP-AGRI workshop
"Enabling Farmers for the digital age"
Jurmala, 26-27 April 2018

Event webpage:

<https://ec.europa.eu/eip/agriculture/en/event/eip-agri-workshop-enabling-farmers-digital-age>



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WORKSHOP ENABLING FARMERS FOR
THE DIGITAL AGE: THE ROLE OF AKIS
26-27 APRIL 2018 - JÜRMALA, LATVIA



Overall aim

To explore and strengthen the role of **AKIS** (with a particular focus on advisers and rural networking), supporting the understanding and use of **digital technologies** at farm level

94 delegates from **25 EU countries**

All AKIS actors well represented (farmers, extension and advisory organisations, researchers, RDP Managing Authorities, Network Support Units, actors in the field of education and media...)

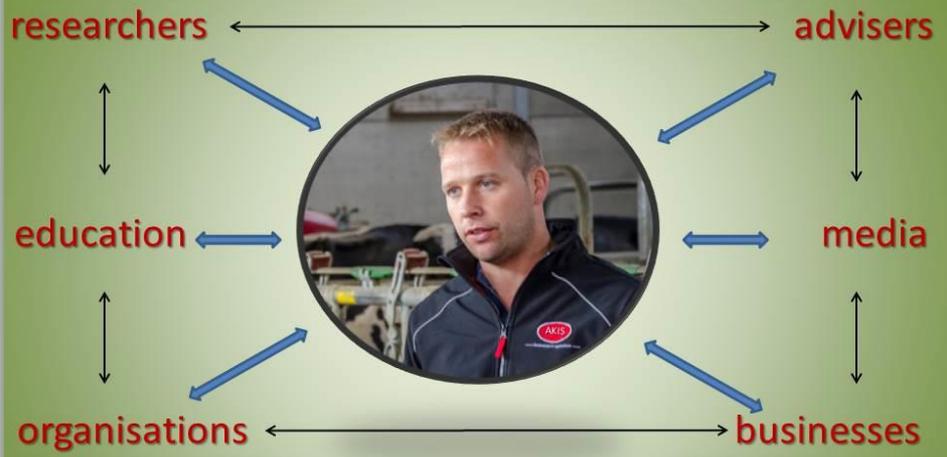
Around **20 inspiring examples** showcased – great networking opportunity!



WORKSHOP ENABLING FARMERS FOR THE DIGITAL AGE: THE ROLE OF AKIS
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What is AKIS? Actors and Knowledge flows



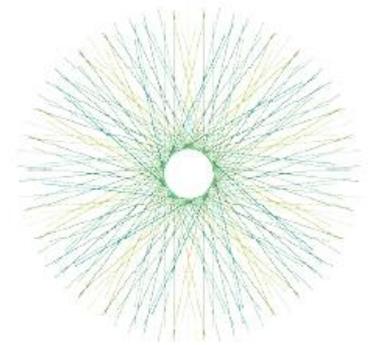
The basics: AKIS

Which actors & knowledge flows?

- Farmers at the centre
- Consumers & citizens to be considered too

Where do digital technologies bring most added value?





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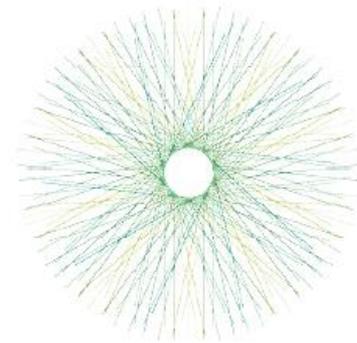


Digital technologies can improve multiple knowledge flows

- Farmers-farmers, farmers-advisers, advisers-advisers, farmers-administrations, farmers-consumers/citizens, farmers-input providers, farmers-researchers, advisers-researchers,...
- Data-related issues, trust, connectivity among the most raised attention points

Enabling farmers for the digital era requires attention to their real needs:

- **Big diversity of farmers** across Europe: multiple dimensions to be considered (geographical, sectoral, generational,...)
- What is most needed: show the **benefits** digital-based solutions bring (RoI)
- **Skills/training** paramount to take advantage of existing technologies



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Bridging the information gap

- Tailored-made information: **needs grow and change** with (digital) skills and awareness
- Diversity is a strength: more "speed-dating" is needed 😊
- Combine *analogical* and *digital*



Thank you
for having joined
EIP-AGRI workshop
'Enabling farmers
into the digital age:
the role of AKIS'
26-27 april 2018
Latvia

EIP-AGRI workshop
***"Connecting innovative projects: water &
agriculture"***
Almeria, 30-31 May 2018

Event webpage:

<https://ec.europa.eu/eip/agriculture/event/eip-agri-workshop-connecting-innovative-projects>

EIP-AGRI Workshop Connecting innovative projects: water & agriculture

30 – 31 May 2018 – Almería, Spain





Reasoning

- FG water and agriculture
- Critical nr of OGs
- thematic workshop for OGs
- linking projects under different policy areas and funding schemes agriculture, research, environment, regional
- connecting two EIPs

Who were present?

- 78 participants + organisers
- 12 countries (ESP, PT, IT, NL, DE, BE, FR, FI, SWE, LT, HU, SLO)
- 35 Operational Groups with 38 participants
- 6 H2020 projects (incl 2 TNs)
- 3 life projects
- 1 EIP-water action group
- 1 interreg project



Workshop objectives

- connect Operational Group projects with each other and to relevant H2020 research, EIP-water, life, interreg projects
- exchange good practices, experiences between the projects
- identify common challenges and explore potential solutions
- promote building new potential partnerships and continuous cooperation beyond the workshop



EIP-AGRI Workshop

'Connecting innovative projects: Water & Agriculture'

9:30 – 10:45

Part 1: The Framework

Policy background and European Innovation Partnerships

Part 2: The Projects

Interviews with EIP-AGRI Operational Groups, H2020 research, EIP-Water Action Group, LIFE and INTERREG project representatives

9:30 – 10:45

Part 3: The Discussions

Main outcomes of Focus Groups at European and National level

- Helena Gomez Macpherson, coordinating expert of **EIP-AGRI Focus Group: Water & agriculture: adaptive strategies at farm level**
- Raquel Bravo Rubio, coordinator of **Spanish Focus Group on Water management, energy and environment**

11:15– 13:00

Interactive exhibition of projects



EIP-AGRI Workshop 'Connecting innovative projects: Water & Agriculture'

DAY 2 – THURSDAY, 31 MAY 2018

9:00 – 9:30

Interactive plenary

9:30 – 11:00

Breakout sessions

- Water quantity
- Water quality
- Water re-use
- Integrated water management

11:30 – 12:30

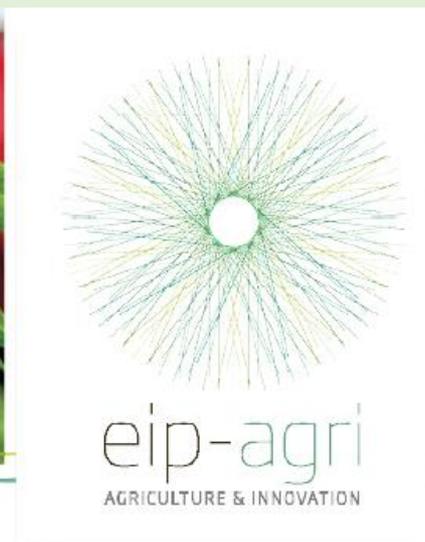
Discussions in open space

12:30 – 13:00

Plenary session: Main outcomes and next steps

Seminar 17-18 October 2018:

“EIP-AGRI: From Operational Group project to impact Building the innovation ecosystem for the future”



EIP-AGRI SEMINAR

EIP-AGRI: FROM OPERATIONAL GROUP PROJECT TO IMPACT

17-18 OCTOBER 2018 - SPOLETO, ITALY

General overview of the seminar



- Overall aim (in keywords) - share & learn; existing experiences & practical approaches; supporting OG projects & promote the uptake of their results by practitioners
- CAP strategic AKIS plans: Conclusions from the seminar will serve **EIP-AGRI programming in MS/regions post-2020**
- The seminar mainly targets RDP Managing Authorities (MA), Network Support Units from NRNs (NRN) and Paying Agencies (PA). Partners from **OG projects** and others such as advisers, innovation support services, farmers and researchers, who can bring in expertise to **improve the output from OG projects**, will also be invited
- Interpretation for the plenary sessions will be available from/to English, Italian, French, German and Spanish



Specific objectives for this seminar

1. **Exchange experiences and practices** among RDP Managing Authorities (MA) and Paying Agencies (PA) in rolling out RDP support to OGs, focusing on approaches towards **further simplification to achieve impact**
2. **Identify approaches and tools** that are useful for MAs, PAs and NRNs for **OG project reporting and for the dissemination of project outcomes**
3. **Understand and exchange experiences** on how OGs are creating awareness on their project, and **how to make the best use of OG results**
4. **Increase the impact of OG projects** by **promoting the networking and collaboration among OGs and with other entities, the dissemination** of OG results and their uptake by practitioners

Overview (continued)

A number of themes were already covered – see **outcomes of discussions and interesting documents from EIP-AGRI Seminar "Moving EIP-AGRI implementation forward"**, 10-11 May 2017, in Athens, Greece:

- <https://ec.europa.eu/eip/agriculture/content/eip-agri-seminar-moving-eip-agri-implementation-forward>

Report:

- https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_seminar_moving_eip-agri_implementation_forward_final_report_2018_en.pdf



Rough structure of the seminar

Before the event	Visit to Assisi and welcome dinner (incl. walk Spoleto)
Day 1 - morning	Setting the scene & EIP-AGRI programming post-2020 Simplification and reporting
Day 1 - afternoon	Field visits (OGs and innovative projects)
Day 1 - evening	Gala dinner (incl. walk Spoleto)
Day 2 - morning	Dissemination, networking and collaboration of OG projects

Hosts:

Umbria Region, Italian NRN and the Italian Ministry of Agricultural, Food and Forestry Policies (MiPAAF)



Questions

Are you aware of any concrete/relevant cases where:

- a. OG projects are taking up action to create awareness about their own project and /or to disseminate their results (either intermediate or final)?
- b. OG projects are collaborating with other OGs or other projects, like for instance H2020 multi-actor projects?
- b. Concrete tools or approaches set up to support OGs in creating awareness and /or disseminating their results?

Preparation AWP 2019

Clustering exercise in 4 areas

Innovation in
Agricultural
Products and
Practices

Natural Resource
Management &
Crop Protection

Business Models
and Digital
Transformation

Networking for
Innovation and
Capacity Building

Innovation in agricultural products and practices

Nr.	Topic	Format	Source
1.	Explore crop diversification and crop rotation to improve the resilience of the farm; including enablers and drawbacks of arable crop diversification	Focus Group	SOI
2.	Immaturity of new clusters like mushroom production (efficiency), aromatic and medicinal plants (competitiveness and sustainability)	Focus Group	SOI Web form
3.	Plant breeding and crop improvement for sustainable and organic maize farming; including smart use of partner and cover crops in maize	Focus Group	Web form
4.	Promising crops for marginal lands	Focus Group	Web form

Innovation in agricultural products and practices

Nr.	Topic	Format	Source
5.	Competitiveness of the wool sector	FG, Field trip	SOI
6.	Animal power /animal traction	Focus Group	Web form
7.	Antimicrobial resistance in poultry	Focus Group	Left over
8.	`Salty agriculture` How to deal with higher salt content of water and soil as a consequence of climate change?	Focus Group publication	SP
9.	Beekeeping/Pollinators and biodiversity	Focus group	SOI

Natural resource management & crop protection

Nr.	Topic	Format	Source
10.	Economics in applying good agricultural practices; and reducing pesticide use ; Non chemical alternatives for pesticides	Seminar Focus group Publication	SOI
11.	Changes in plant protection following neonicotinoid ban	Workshop	SOI
12.	How to preserve agricultural soils from contamination / pollution by land-applied products/nutrients as part of the circular economy?	Focus group	SOI
13.	Recycling of only nutrients in mineral form (N, P, K) from urban organic waste and manure	Workshop	SOI
14.	Nature inclusive farming and making smart use of functional biodiversity	Focus group Field trip Publication Workshop	SOI SP

Business models and digital transformation

Nr.	Topic	Format	Source
15.	New business models and digital solutions to enhance environmental performance (circular approach- including forestry and monitoring of agri-environmental schemes...)	Focus Group Workshop	SOI SP
16.	Skills development for the digital transition	Seminar Workshop	SOI
17.	The internet of things and its uptake and application in agriculture	Seminar Workshop	SOI
18.	Blockchain technology in improving rural businesses	Focus group Seminar Workshop	SOI

Business models and digital transformation

Nr.	Topic	Format	Source
19.	Innovative solutions for small farms , and access of small farms to new technologies	Focus Group Workshop Seminar Publication	SOI
20.	Future family farm business models and What does the farmer of the future look like? What support is needed?	Seminar	SOI
21.	Digitisation tools to improve forest management	Workshop	SOI
22.	Cooperation with industry to build resilience and ability to cope with adverse weather events linked to climate change	Workshop	SOI

Innovation networking and capacity building

Nr.	Topic	Format	Source
23.	Boosting networking/exchange on operational groups on specific themes like soils, forestry, Mediterranean orchards	Workshop	SOI
24.	Cross border inspiration from other sectors	Workshop	SOI
25.	EIP-AGRI Operational Group management and performance	Seminar	SOI
26.	Future of EU innovation funding and networking in MS and EU	Workshop Seminar	SOI SP
27.	Raising awareness on farm demonstration activity	Workshop	SOI

2. Rural Development

Programme modifications ongoing

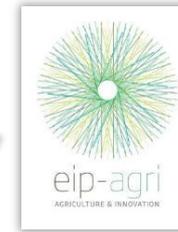
often resulting from better understanding of the OG measure, e.g. use of preparation funding, deletion of obligation of legal entity, payment to lead-partner, (non-) combination of measures, use of simplified costs etc

EIP-AGRI Operational Groups Updates (SFC data)



OG info available in SFC: state of play

414 projects from **12 MS**



N° of OG per *submission status*

MS	Open	Partially	Total	Target 2014-20
AT			13	50
BE			0	33
			9	202
				943
				10
				297
				22
				625
LT				7
LV				15
NL			1	60
UK	4		10	176
Total SFC	19		322	414

Data to be improved

Member State	Approved OGs	Already in SFC
Czech Republic	9	
France (31.3.15)		
Poland		
Sweden		
UK – E	13	/

OGs not yet reported via SFC

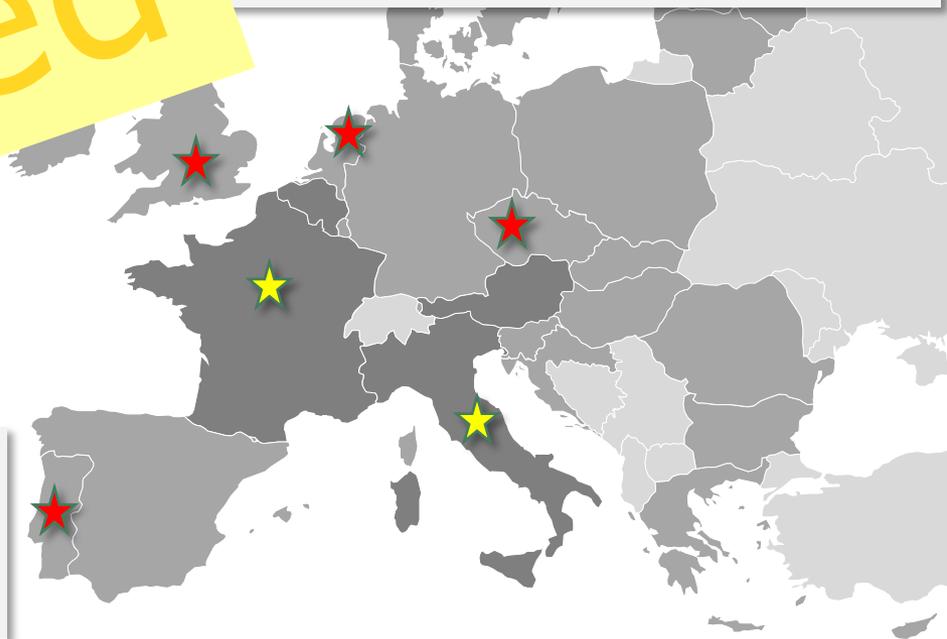
Based on information available – May 2018

Over 600
OG projects
running !
(more)

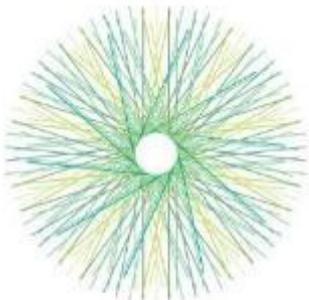
Data to
be
improved

Not including calls open/just closed in

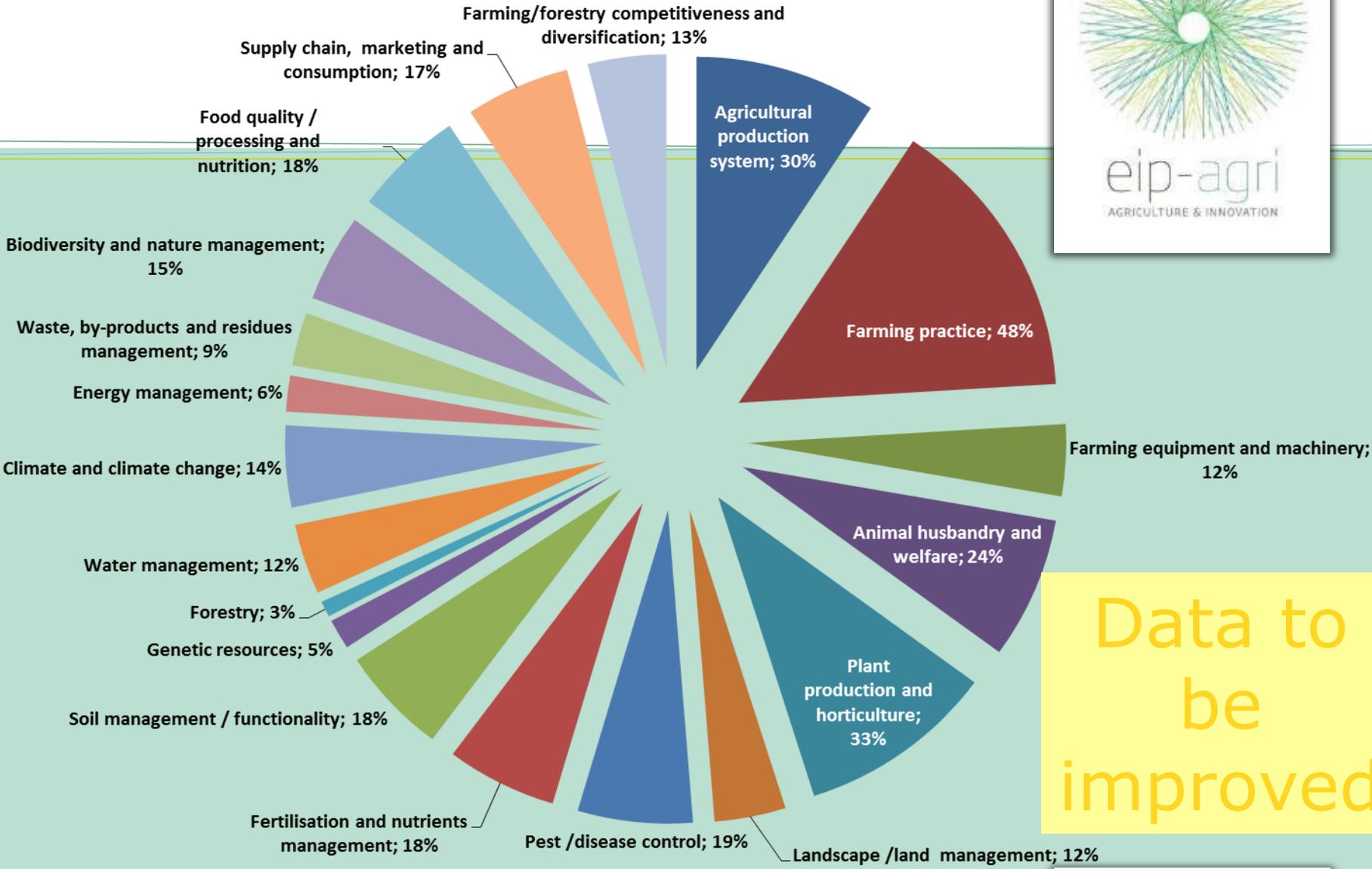
(CY, RO, HU, PL, SI, EL, EE, SE, ...)



Scope of OG projects



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Data to be improved

Source: SFC, May 2018 – N.B. one project can fall under several categories



Operational Groups: Budget

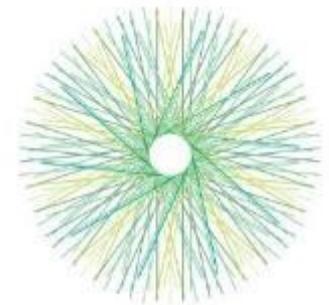
Data to
be
improved



Average OG project budget per MS

MS	Total Budget	Number of OGs	Average OG project budget
AT	4.797.251,00	13	369.019,31
BE	329.765,00	10	32.976,50
DE	57.794.211,44	109	530.222,12
ES	10.861.446,54	56	193.954,40
FI	1.496.407,00	5	299.281,40
FR	16.331.827,28	27	604.882,49
IE	37.064.633,00	13	2.851.125,62
IT	23.568.267,36	96	245.502,79
LT	2.929.704,00	5	585.940,80
UK	1.926.607,00	7	275.229,57
Total	157.100.119,62	341,00	460.704,16

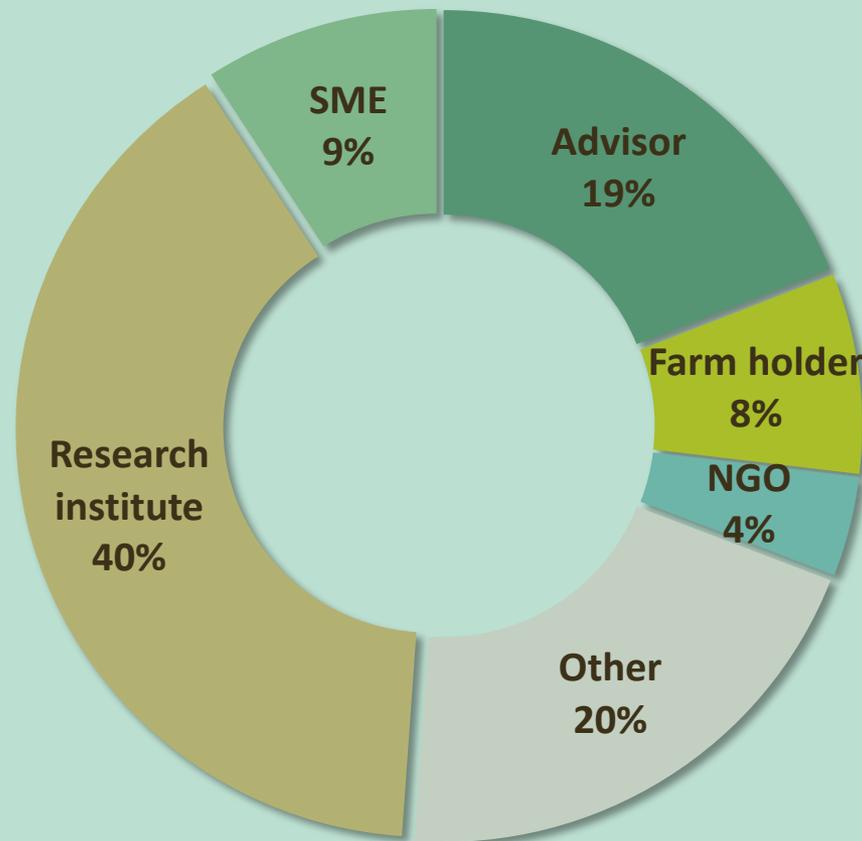
Source: SFC, May 2018 - Only projects with status= 'sent' and 'ready to send'



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OG projects: Lead partner

Typology of lead partner



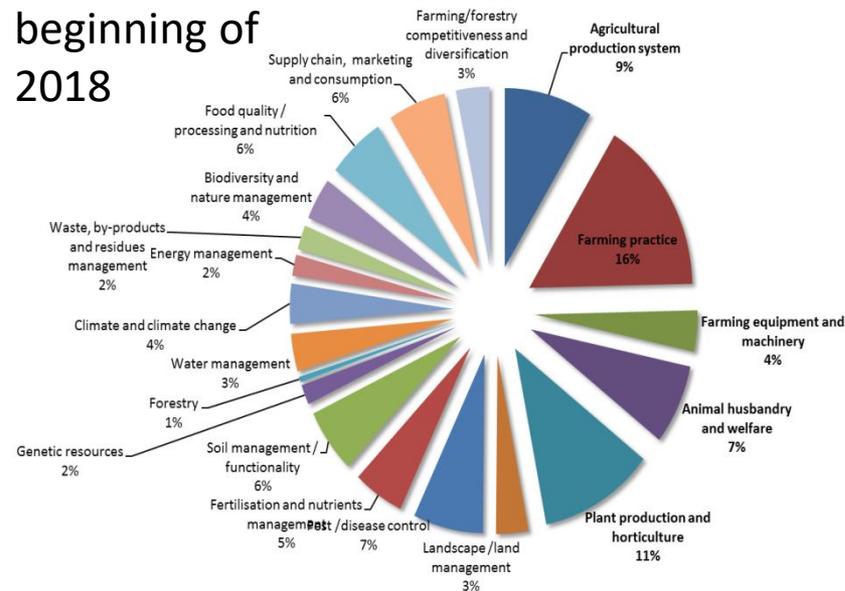
Source: SFC, May 2018

New OG study ongoing by IDEA

611 OG projects information, gathered from different sources:

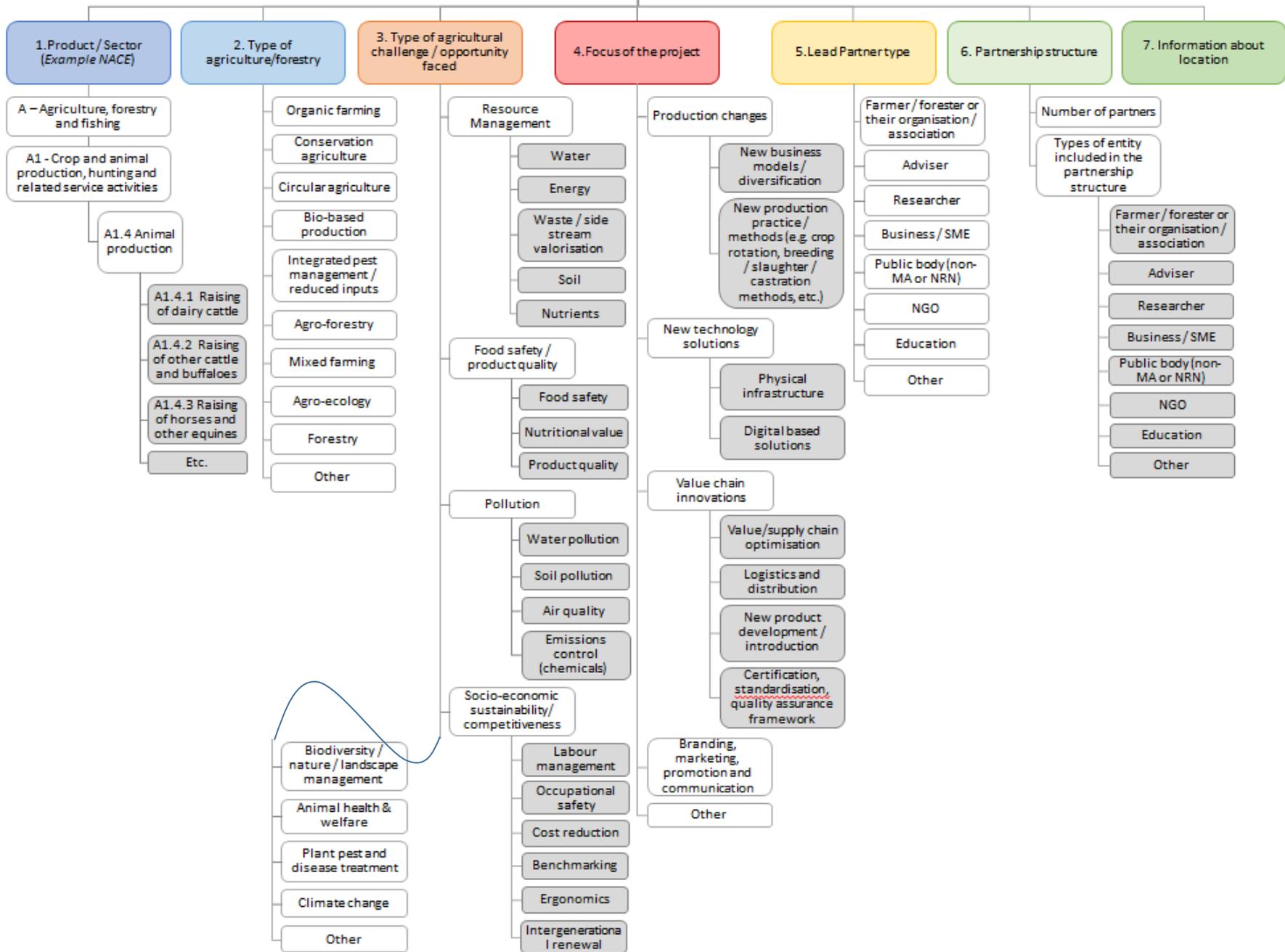
AT 13	IE 13
BE 10	IT 96
CZ 9	LT 5
DE 109	NL 48*
ES 58	PT 85
FI 5	SE 31
FR 111	UK 18*

beginning of 2018



*Some contacts missing

Identified Cluster Categorisation



New OG study ongoing by IDEA

E-mail survey to better understand the actual implementation of EIP-AGRI Operational Group actions:

28 questions concerning:

- 1 - General info about the project
- 2 - Partnership
- 3 - OG preparation phase
- 4 - Focus of the OG Project
- 5 - Collaboration with other projects, initiatives or actors
- 6 - Project results and their dissemination to farmers/foresters
- 7- Communication activities to the public in general

3. Horizon 2020 & Multi-Actor projects

Call 2018 evaluation finalised for one stage projects:

- 6 new Thematic networks (see slides for more detail)
- EU wide network of advisors on digital transition "Fairshare"
- EU platform for IPM monitoring and warning systems

- AKIS related projects from calls 2016-2018 will be **cooperating with the SWG SCAR-AKIS**, e.g. Agrilink , demo network projects Plaid, Agridemo and Nefertiti, **Nextfood, Liaison, Euraknos** etc. => possible suggestions on the development of MA projects & knowledge sharing database, and quality assurance of the practice abstract system

RUR-15-2019 – Thematic networks compiling knowledge **ready for practice**

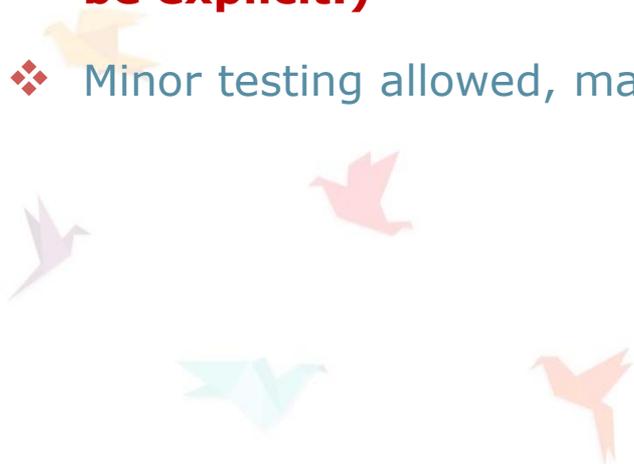
- ❖ Themes must **focus on most urgent needs of farmers and foresters** (which is not necessarily the same as policy needs!) and can be chosen bottom-up
- ❖ Show **added value** of the subject by a comprehensive description of what has been done already (state of play) – **avoid duplication**
- ❖ Much of the existing research findings and best practices stays unused, therefore more **intense cooperation needed** between research, advisors and farmers/foresters to stimulate knowledge exchange and take up
- ❖ **If duly substantiated**, proposals **may focus on widening an existing TN**, be it **content-wise** or in terms of **geographical coverage**, eg through twinning or cross-border exchange visits (take period into account **and avoid repetition**)

RUR-15-2019 – Thematic networks compiling knowledge **ready for practice**

- ❖ Projects must **summarise, share and present existing best practices and research findings** that are near to being put into practice, but **not sufficiently known or used by practitioners**. (see 4 slides listing existing thematic networks)
- ❖ In a language that is **easy to understand and is targeted to farmers and foresters**
- ❖ Using the **main trusted dissemination channels**, and also feed into education/training
- ❖ Multi-actor project

RUR-15-2019 – Thematic networks compiling knowledge **ready for practice**

- ❖ Project output should be **an extensive range of "appealing" end-user knowledge** (e.g. some 100 EIP PAs, + photos, videos, demos etc)
- ❖ Should **pay attention to cost-benefit aspects** of the solutions presented
- ❖ **Synergies sought with EIP Operational Groups** or - if useful- other ESIF project. There are 4 operational solutions, but be aware **to prepare well and be explicit!**)
- ❖ Minor testing allowed, max 20% of the budget





29 H2020 bottom-up Thematic Networks so far(1)

calls 2014-2016 – **a complementary set of themes (sectors)**

RUR 10 - 2016	CERERE	Cereals: organic/low input cereal food systems for biodiversity and quality (production, processing, marketing)
RUR 10 - 2016	Eu PiG	Pig husbandry: health management, precision production, welfare and meat quality
RUR 10 - 2016	Inno4Grass	Productive grasslands: profitability and environmental services
RUR 10 - 2016	SheepNet	Improving sheep productivity
ISIB 2 - 2014	Winetwork	Wine diseases: Grapevine Trunk Disease and Flavescence dorée
ISIB 2 - 2014	OKNetArable	Organic agriculture - arable crops
ISIB 2 - 2014	Hennovation	Animal welfare hens
ISIB 2 - 2015	4D4F	Data and sensor driven decision making on dairy farms
ISIB 2 - 2015	EuroDairy	Practice-based innovations in dairy farming: resource efficiency, Biodiversity, Animal care, and Socio-economic resilience
ISIB 2 - 2015	EUFRUIT	Fruit: cultivar development, minimize residues, storage and fruit quality, sustainability of production systems



29 H2020 bottom-up Thematic Networks so far(2)

a complementary set of themes (cross-cutting themes)

calls 2014-2016

RUR 10 - 2016	SKIN	Stimulating innovation and good practices in short supply chains
RUR 10 - 2016	AFINET	Agroforestry: sylvoarable and sylvopastural systems' design, management and profitability
ISIB 2 - 2014	Agri-Spin	Innovation brokering methods
ISIB 2 - 2015	AGRIFORVALOR	Valorization of biomass side-streams from agriculture and forest
ISIB 2 - 2015	Smart-AKIS	Smart Farming Technology: Management Information Systems, Precision Agriculture and Agriculture automation and robotics
ISIB 2 - 2015	HNV-Link	Support HNV farmlands through knowledge and innovation
WATER 4B - 2015	FERTINNOWA	Optimize water and nutrient use efficiency: dbase on innovative technologies and practices for fertigation of horticultural crops



Call 2017 H2020 bottom-up Thematic Networks so far(3) another complementary set of cross-cutting themes

ENABLING	Upscaling biomass production and pre-processing for bio-based value chains
INCREDible	Non Wood Forest Products: Cork, Resins and Edibles in the Mediterranean basin
NEWBIE	New Entrant netWork: Business models for Innovation, entrepreneurship and resilience
OK-Net EcoFeed	Organic Knowledge Network on Monogastric Animal Feed (pigs, broilers, hens)
PANACEA	Non-food Crops' penetration path
INNOSETA	Spraying Equipment best management practices



Call 2018 H2020 bottom-up Thematic Networks so far(4) another complementary set of cross-cutting themes

DISARM	Reduction of antibiotic resistance in livestock farming
NUTRIMAN	Best practices for N/P nutrient management/recovery from un-exploited resources of raw materials (CE)
SuWaNu Europe	Re-use of treated wastewater in agriculture
BEST4SOIL	Best practices for the control of soilborne diseases
EURAKNOS	Widening existing thematic network outputs – building EU Knowledge Reservoir
Legumes Translated	Innovation in grain legume-supported cropping systems



H2020 bottom-up Thematic Networks

How? Learn from experience calls 2014-2018

A short film explaining how a thematic network can work (Hennovation):

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

RUR-16-2019 – Fuelling the potential of advisors for innovation

- ❖ Advisors have key impact on farmers' decisions + big potential to link science and practice
- ❖ The EIP-AGRI Evaluation study recommends that more advisors need to be involved in interactive innovation projects to fuel cross-fertilisation and implementation of results
- ❖ In the past the term "advice" referred to **linear** knowledge transfer, giving unilateral recommendations
- ❖ **Advisors now need skills to take a more interactive role** (EIP-AGRI evaluation study – new CAP policy post 2020 with **CAP strategic AKIS plans**)
- ❖ **Link to CAP post 2020 proposals: https://ec.europa.eu/info/food-farming-fisheries/key-policies/common-agricultural-policy/future-cap_en**



RUR-16 Fuelling the potential of advisors for innovation

- ❖ A network of advisors can promote these new **forms of interaction and fuel knowledge exchange and co-creation of innovation**
- ❖ Ultimately to **improve knowledge flows in national and regional AKISs**
- ❖ First **expand and update the inventory of all public and private advisors** started in the PRO-AKIS project: (impartial)
- ❖ Identify and showcase best practices from **practical cases of advisory services across the EU supporting advisors on how to capture grass-roots innovative ideas from farmers/foresters** and develop them into innovation projects
- ❖ Output: Practice Abstracts, educational material, training for advisors (e.g. cross-visits)

RUR-16-2019 – Fuelling the potential of advisors for innovation

- ❖ Develop **peer-to-peer learning** for active and future advisors
- ❖ Develop advisors' skills for mediating, managing and participating in interactive innovation projects
- ❖ Seek **synergies with EIP Operational Groups** (wide resource of practice already existing)
- ❖ Coordinate with the SCAR-AKIS Strategic Working Group to connect with main MS AKIS actors
- ❖ Multi-actor project with **EU wide coverage of all public and private advisors** as actors



RUR-17-2019 – Reinforcing the EU agricultural knowledge database

- ❖ Since 2014, a large number of AKIS related projects, OG innovative projects, H2020 RIAs and CSAs were funded, which delivered **much end-user material** beyond the EIP-AGRI practice abstracts only: knowledge databases, videos, framework of thematic networks (EURAKNOS) etc
- ❖ The challenge is to favour the **longer-term and wider use of this practical knowledge** in as many geographical regions and agricultural sectors as possible
- ❖ **To enable updating and consolidating of that knowledge**
- ❖ **And help connecting to regional and national AKISs**
- ❖ **Multi-actor project:** engage all players in regional and national AKIS and also the OGs and multi-actor projects

RUR-17-2019 – Reinforcing the EU agricultural knowledge database

- ❖ Therefore, analyse the practice oriented projects' activities and outputs and the effectivity of the **communication and dissemination channels used in countries and regions to reach out to end-users**
- ❖ Drive future knowledge sharing systems to the most efficient solutions, by learning from practice through participatory activities with partners of MA projects
- ❖ Explore feasibility and added-value of developing **joint tools, joint platforms and/or (e-)infrastructure integrating** existing outputs into an **EU wide open source and data system connecting** with countries and regions' AKIS systems

RUR-17-2019 – Reinforcing the EU agricultural knowledge database

- ❖ Recommending on **greater interoperability and integration of EU and MSs' knowledge bases** for practitioners, proposing structures and connections
- ❖ Maximising impact beyond the end of the projects: find **solutions for the longevity of the material**
- ❖ Coordinating with the SCAR-AKIS Strategic Working Group, to improve long-term access to practical knowledge

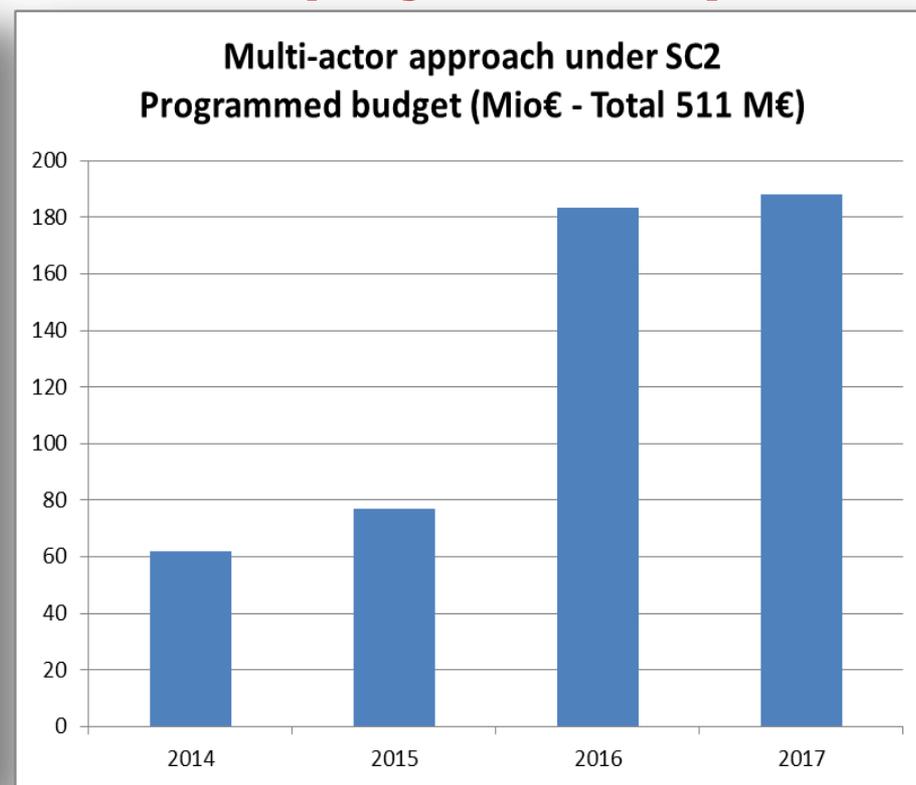
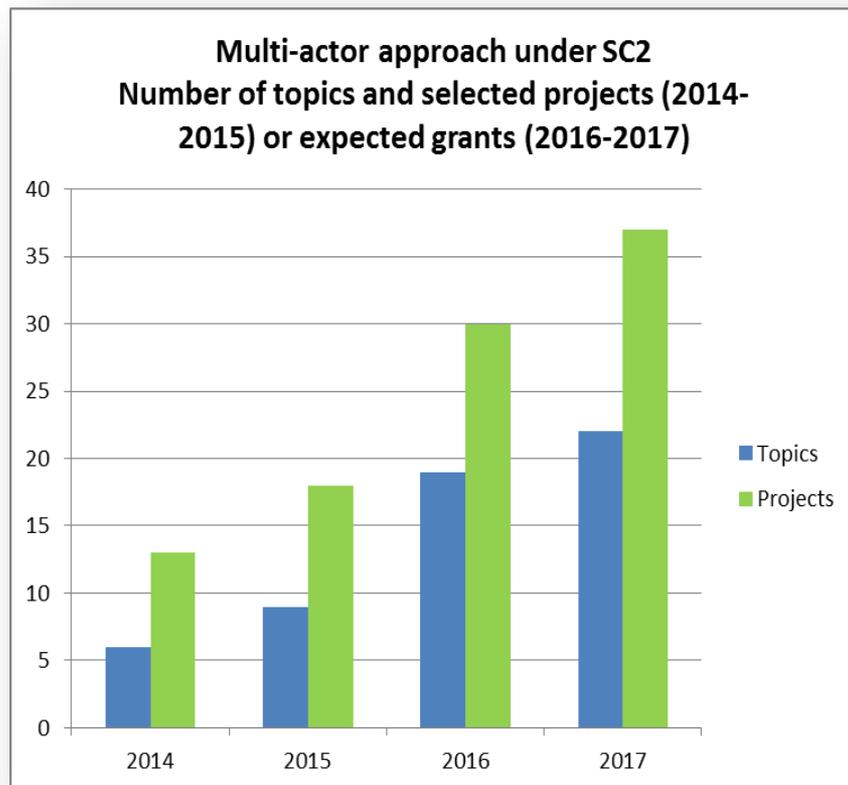


WPs 2014-2017: 500 mio Euro – 80 Multi-actor projects

WP 2018-2020: More multi-actor topics/projects

500 mio Euro – another 100 MA projects (incl TNs)

In total 1 bio Euro H2020 Multi-actor projects in 7 years



Post 2020 R&I proposals “Horizon Europe”: Synergies and complementarity CAP - R&I policies

*The future EU Research and Innovation Framework Programme (Horizon Europe) will make available **€ 10 billion** for research and innovation in **food, agriculture, rural development and the bio-economy.***

*The **EIP-AGRI** will continue to ensure the links and pool **funding sources** from Horizon Europe and rural development to foster competitive and sustainable farming and forestry.*

Four main strands to link OGs (etc) to H2020 Multi-actor (MA&TN) projects

If partners from an OG project participate in an H2020 project (e.g. participate in workshops), could they receive funding?

- 1) The **full OG** can be a partner (=“beneficiary”) or a third party of the MA consortium if the OG is constituted as a legal entity.
- 2) **One OG partner**, established as a legal entity, can be included as a partner or third party bringing input from the OG and/or giving input to the OG. In order to convince evaluators, such inputs **should be clearly described** in the proposal, even if not fully defined yet.

3) Without an OG or an OG partner being a beneficiary or third party in the project, another type of connection with OGs can be made. In order to support certain activities, partners (beneficiaries) from the **H2020 project can earmark budget under "other direct costs" to cover expenses for OG members to participate to project activities.**

Again, it is important to **describe the planned activity and how it relates to the OG(s) mentioned.** For instance, OGs can be invited to workshops of the MA project or can be included in cross-visits organized across countries.

4) The cooperation can also relate to support provided on a voluntary basis (with **no impact on the MA project's budget**). Such support can include activities that OGs are willing to undertake, without financial support from the MA project, to maximise the multi-actor project's impact (e.g. stakeholder mobilization, enabling/strengthening the links with and between relevant OGs, activities with OG's networks).

In this particular case, since the control will not fall under the MA project control, **strong evidence is needed that the OGs will indeed undertake these activities**. For instance, the activities may be visible in the OG project plan as approved by rural development authorities, or a bilateral **agreement** could be made as annex to the H2020 proposal.

Start building an EU AKIS



***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!