

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

## Moving Innovation in Agriculture Ahead !



SWG SCAR AKIS 4 – Brussels – 30 October 2018

Inge Van Oost - DG Agriculture and Rural Development



# Networking for Innovation now and tomorrow



# The EIP-AGRI network success story

**CAP /Rural development**  
(regional/national level)



*Funding for:*

**OG preparation**

**OG projects**

**Innovation support services**

**HORIZON 2020**  
(European projects)

- **Research projects**  
(knowledge base)
- **Multi-actor projects and thematic networks**  
(interactive innovation)



**Involvement of OGs is strongly recommended**



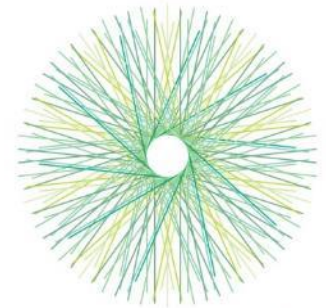
Unique EU knowledge repository  
of **contacts** and **practice abstracts**



**Spread the results**

# Networking for Innovation after 2020

## What is new?



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**New CAP  
Cross-  
Cutting  
Objective**

**Need to intensify networking activities fostering and sharing knowledge, innovation and digitalisation in agriculture and rural areas**

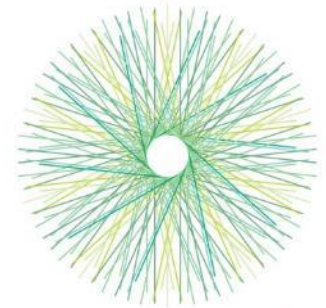
**Single CAP  
Network**

**Scope: Pillar I + Pillar II  
Streamlining and simplification without losing specialisation**

**More  
subsidiarity  
for MS**

**Increased need for peer to peer exchanges, sharing of good practices, and stakeholder involvement**

# CAP Networks are an essential part of the integrated approach on modernisation, innovation and knowledge flows

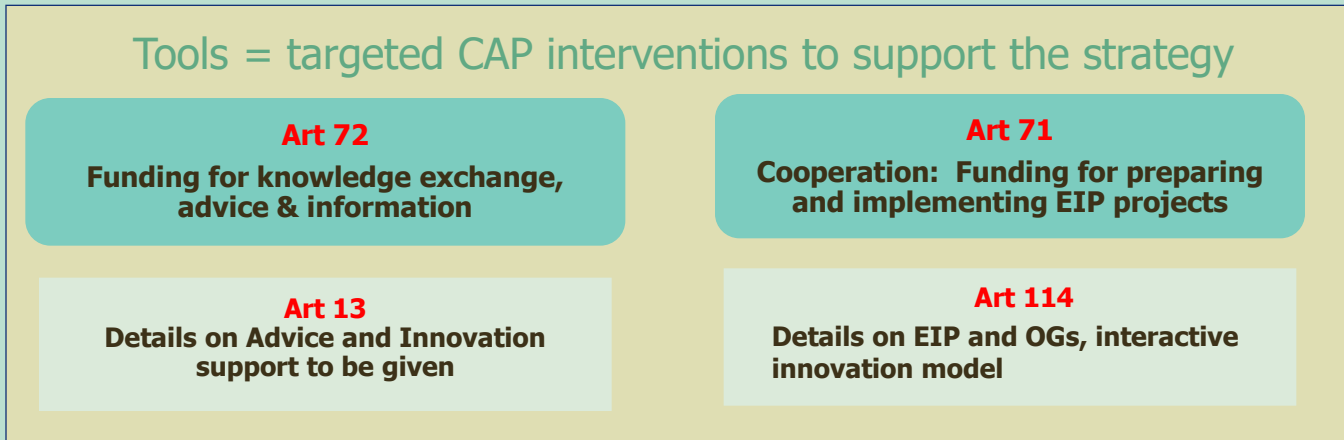


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**Art 5 Cross-cutting objective**  
modernisation, knowledge sharing, innovation and digitalisation



**Art 102 Modernisation in CAP Strategic Plans**  
AKIS: research + advisors + CAP networks + ...working together  
... and digitalisation



**Art 113**  
CAP networks:  
Fostering innovation and knowledge exchange

# CAP Networks are an essential component of a well-functioning AKIS

## AKIS

**Researchers**

**Advisers**



**Farmer**

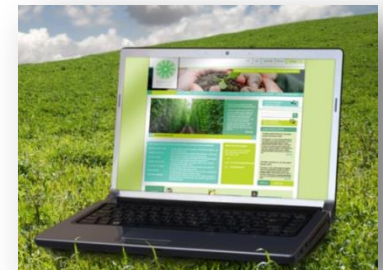
**Education**

**Businesses**

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

**Organisations**

**Media**



# The « innovation dimension » of the future CAP network

## In the Commission proposal

<b>Mission</b>	<b>« A platform providing for more exchange of knowledge in order to capture the results and added value of the policy at European level, particularly the Horizon Europe policy »</b>
<b>Members</b>	<b>« Network of organisations and administrations, advisors, researchers and other innovation actors in the field of agriculture and rural development »</b>
<b>Objectives</b>	<b>« Fostering innovation and supporting the inclusion of all stakeholders in the knowledge-exchange and knowledge-building process »</b>
<b>Tasks</b>	<b>«Collection of information and facilitation of networking of funded structures and projects, such as [...] Operational Groups</b>
<b>Link with EIP Operational Groups</b>	<b>« Operational Groups shall disseminate their plans and the results of their projects, in particular through the CAP networks »</b>
<b>One of the three main AKIS elements</b>	<b>« Advisory services, research and CAP networks will work together within the framework of the AKIS »</b>

# Questions on challenges and opportunities

Subgroup of Innovation 18 Oct 2018

- What works well?
- What are challenges for networking in the future
- How to deal with these challenges?
- Who should be involved?



# *How can **CAP networks** help strengthening innovation and knowledge exchange?*

1. Collecting and sharing outcomes of 800+ **EIP OGs**
2. Collecting and sharing outcomes of 180 **H2020** multi-actor projects +HE
3. Both continuing post 2020 and more project results coming – EIP website + knowledge reservoirs being prepared under H2020
4. All this material provides great input for knowledge exchange for all AKIS actors (farmers, advisors, businesses, researchers,..): organise training for advisors and farmers, peer-to-peer events, website, e-learning etc
5. Organise events to link and network AKIS actors for future cooperation on certain themes. Discovering farmers' needs. Make good use of targeted actions supported under Art 71 and 72 for such events.
6. **Start now**, already testing future interventions and **brainstorm in AKIS coordination platforms**

## 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**

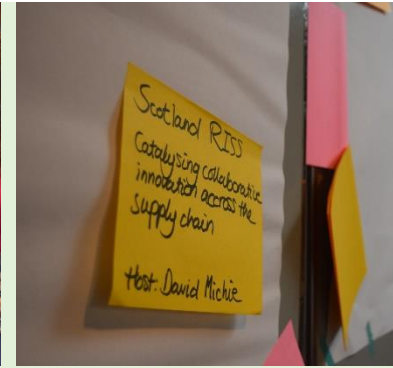


# Fostering a thriving innovation ecosystem by supporting Operational Groups

## Messages from the seminar



# Messages from the Seminar “EIP-AGRI: from Operational Group project to impact”





# Programme

Wednesday 17 October



- 08:00-09:00 Registration
- Introduction to the seminar
- 09:00-09:15 Welcome by the host and by DG AGRI
- *Fernanda Cecchini, Umbria Region Councillor for Agriculture, Environment, City Planning and Culture*
- *Kerstin Rosenow, Head of Unit B2 – Research and Innovation, DG AGRI, European Commission*
- 09:15-09:25 Introduction to participants and programme
- *Esther Koopmanschap, EIP-AGRI Service Point*
- 09:25-09:55 Setting the scene & outlook on EIP and AKIS in the post-2020 CAP
- *Inge Van Oost, Unit B2 – Research and Innovation, DG AGRI, European Commission*

# Programme

Wednesday 17 October

- Learning about EIP-AGRI implementation: achieving impact
- 09:55-10:15      Simplification and reporting for EIP Inspiration and examples
  - *Marina Hadjiyanni, Unit F1 – Conception & consistency of rural development, DG AGRI, European Commission*
  - *Michael Schrörs, Head of Unit EU affairs, agricultural research and innovation, Lower Saxony Ministry for Food, Agriculture and Consumer Protection, DE*
  - *Simona Cristiano, Policy researcher, CREA – Center for Politics and Bioeconomy, IT*
  - *Lisa van Dijk, Knowledge Exchange Programme manager, Royal Agricultural University, Cirencester, UK*
- 10:15-10:25      Welcome by the host
  - *Alessandra Pesce, Undersecretary of State, Ministry of Agricultural, Food, Forestry Policies and Tourism (MiPAAFT)*

# Programme

## Wednesday 17 October

- 10:25-10:45 Introduction to the breakout sessions, digital project market and field visits
  - *Esther Koopmanschap, EIP-AGRI Service Point*
- 10:45-11:15 Coffee break
- 11:15-12:00 Breakout session 1: achieving impact through simpler implementation
- 12:00-12:45 Breakout session 2: achieving impact through smart reporting
- 12:45-13:45 Networking lunch
- 13:45-18:30 Field visits to OGs and other innovative projects / actors
- 20:30 Gala dinner (walk to venue at 19:45)









# Programme

Thursday 18 October



- 09:00-09:30 Feedback on day 1
- Learning about OGs: results, successes, networking and collaboration
- 09:30-09:40 Introduction to the session
- *Fabio Cossu, Unit B2 – Research and Innovation, DG AGRI, European Commission*
- *Pacôme Elouna Eyenga, EIP-AGRI Service Point*
- 09:40-10:20 Types of networking for Operational Groups– inspiration for AKIS Strategic Plans
- *Margarida Ambar, EIP-AGRI Service Point*
- *Els Lapage, Department of Agriculture and Fisheries of the Flemish Government, BE*
- *Kees Anker, Contact point EIP Network Support Unit, NL*
- *Carola Ketelhodt, EIP-AGRI Innovation Office, Chamber of Agriculture in Schleswig-Holstein, DE*



# Programme

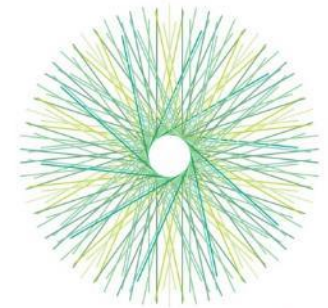
Thursday 18 October



- 10:20-10:30 Introduction to the process in the 'open seminar' session
  - *Esther Koopmanschap, EIP-AGRI Service Point*
- 10:30-10:50 Coffee break
- 10:50-12:15 'Open seminar' session: "Making the best use of OG results – dissemination, networking and collaboration of OG projects and beyond"
- 12:15-12:45 Feedback in the plenary
- 12:45-12:55 Evaluation
- 12:55-13:00 Closing of the seminar and farewell
  - *Kerstin Rosenow, Head of Unit B2 – Research and Innovation, DG AGRI, European Commission*
- 13:00-14:00 Lunch and end of the seminar

- **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-spoleto-2018\\_margarida\\_ambar\\_types\\_of\\_networking.pdf](https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/field_event_attachments/eip-agri_sem-spoleto-2018_margarida_ambar_types_of_networking.pdf)



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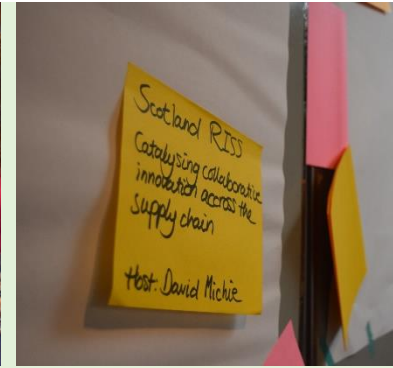
- An overview of various approaches already used to **support the networking and improve impact** of Operational Group (OG) projects was made on Day 2
- These type of events can form **part of the CAP Strategic Plans on AKIS (Art 102)**. It is useful to engage with various authorities and organisations (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**

# ***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,...

# Messages from the Seminar “EIP-AGRI: from Operational Group project to impact”





# Fostering a thriving innovation ecosystem by supporting Operational Groups

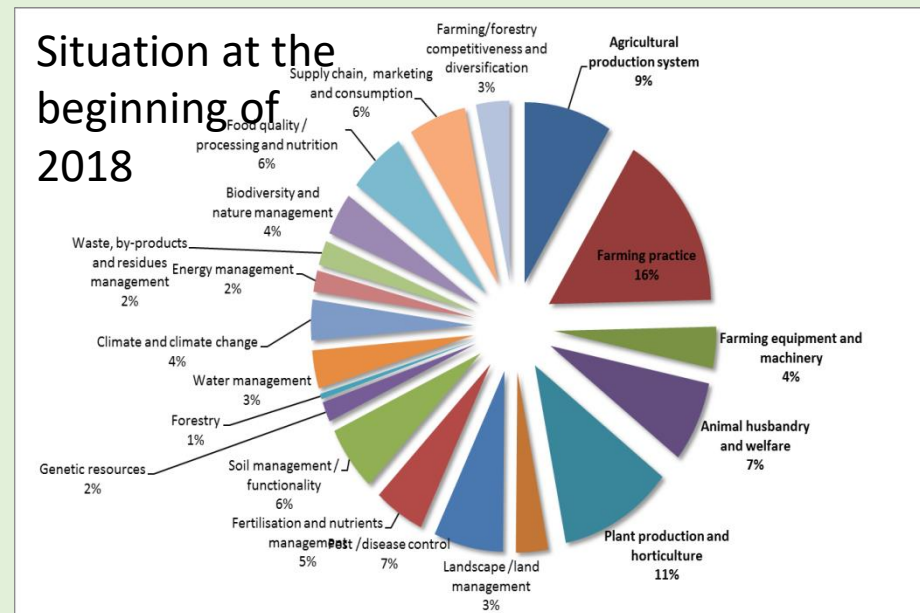
## First outcomes of OG study



# Previous meeting

## 611 OG projects information, gathered from different sources:

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

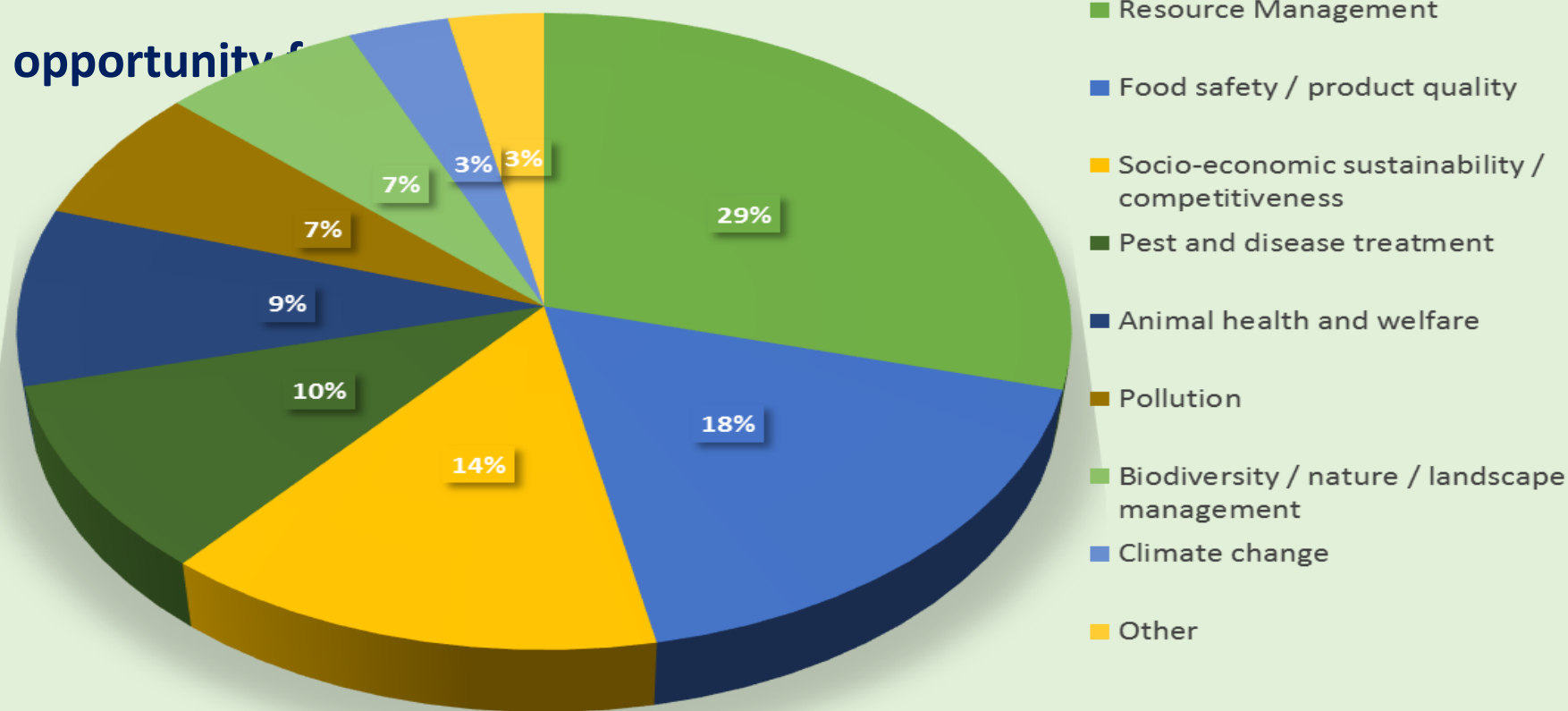


\*Some contacts missing



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

## Type of agricultural challenge / opportunity

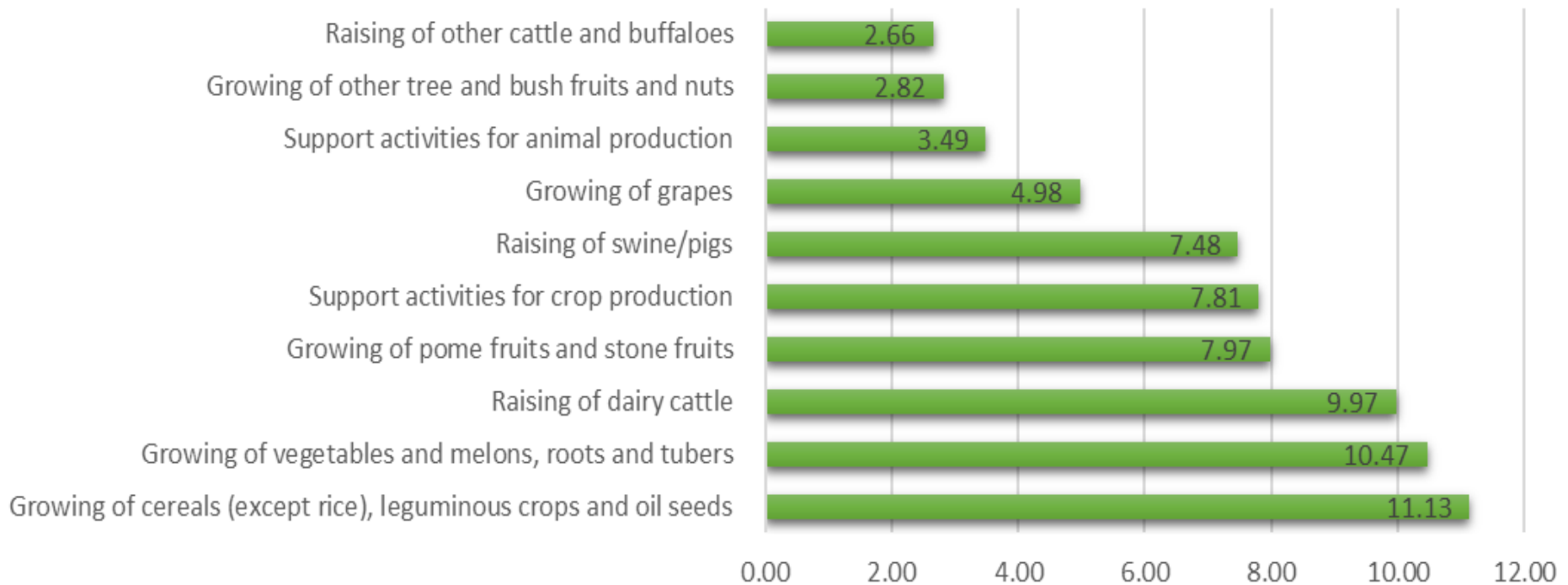


Source: OG assessment, by IDEA, Sept 2018, provisional results

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

## Product / sector ranked by occurrence

### % - TOP 10



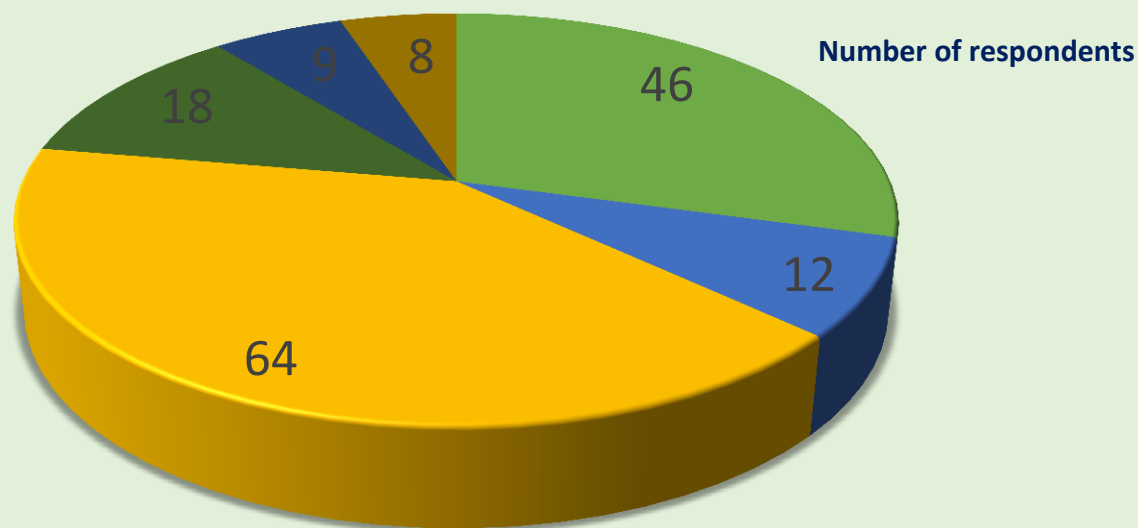
## OG assessment – some preliminary results

- Lead partner of the OG project - 31,6% research, 20,5% farmer/forester
- Duration of the project – 48% for 3 years, 27% for 2 years
- Partners in OG projects:
  - 92% have at least one farmer /association and 20% of them have more than 5 partners in this category
  - More than 75% of OG have at least one researcher
  - Around half of them include business or SMEs
  - 41% work with advisers

## OG assessment – some preliminary results

- 75% have partners that had already cooperated before (among themselves)
- 81% is satisfied with the structure of the partnership and 92% is satisfied with expertise among partners
- Main reasons to initiate an OG are (1) improvement of current practices and methods, and (2) dealing with practical problems through connecting research and farming and innovation. Cross-sectoral cooperation and network expansion show as less relevant

# OG assessment – some preliminary results

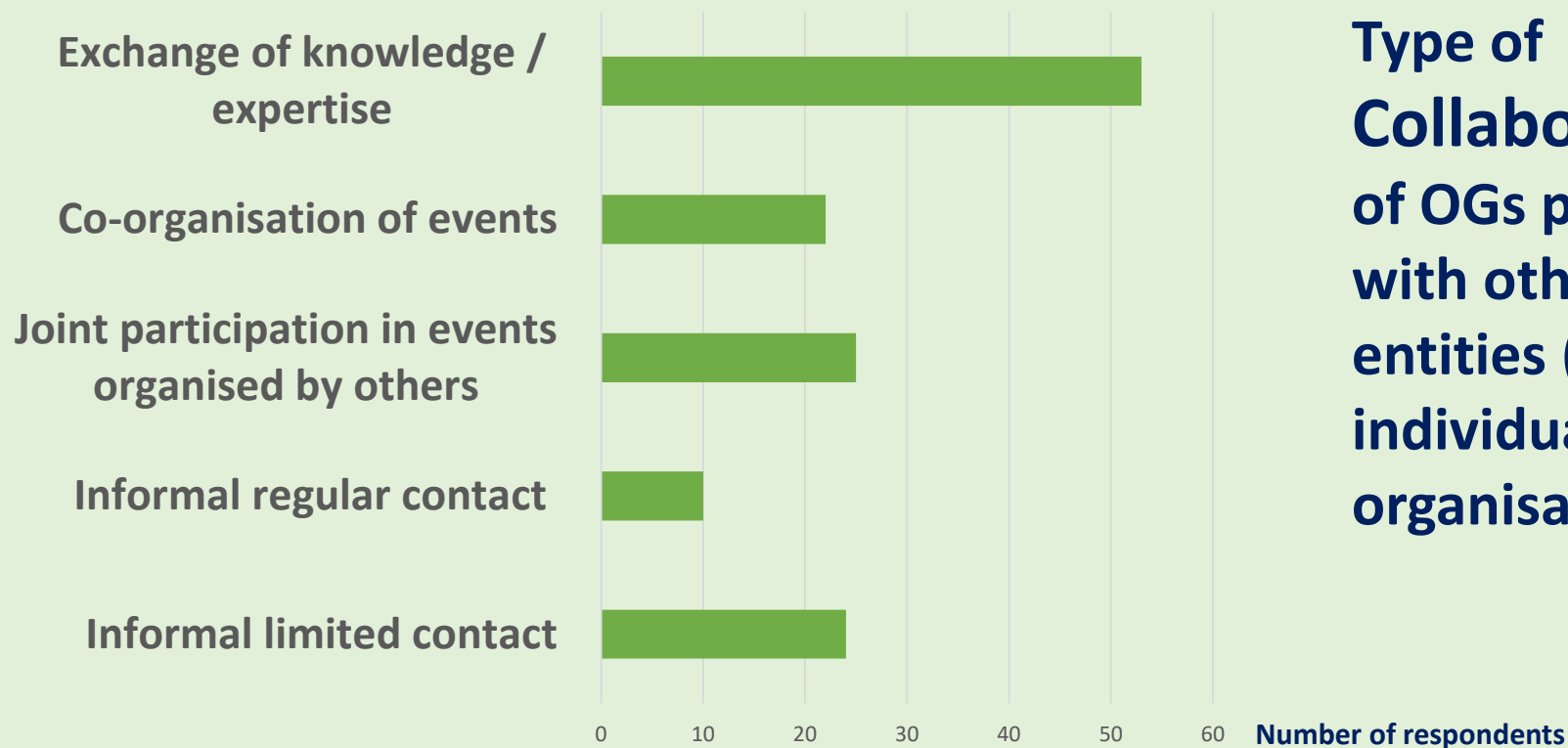


**Entities with which the OG project has Collaborated or is planning to collaborate**

- OG projects in your country / region
- OG projects in other countries / region
- Entities who are not partners, in your own country / region
- Organisations / individuals from other countries
- H2020 MA projects or H2020 TN
- Other EU funded projects

Source: OG assessment, by IDEA, Sept 2018, provisional results

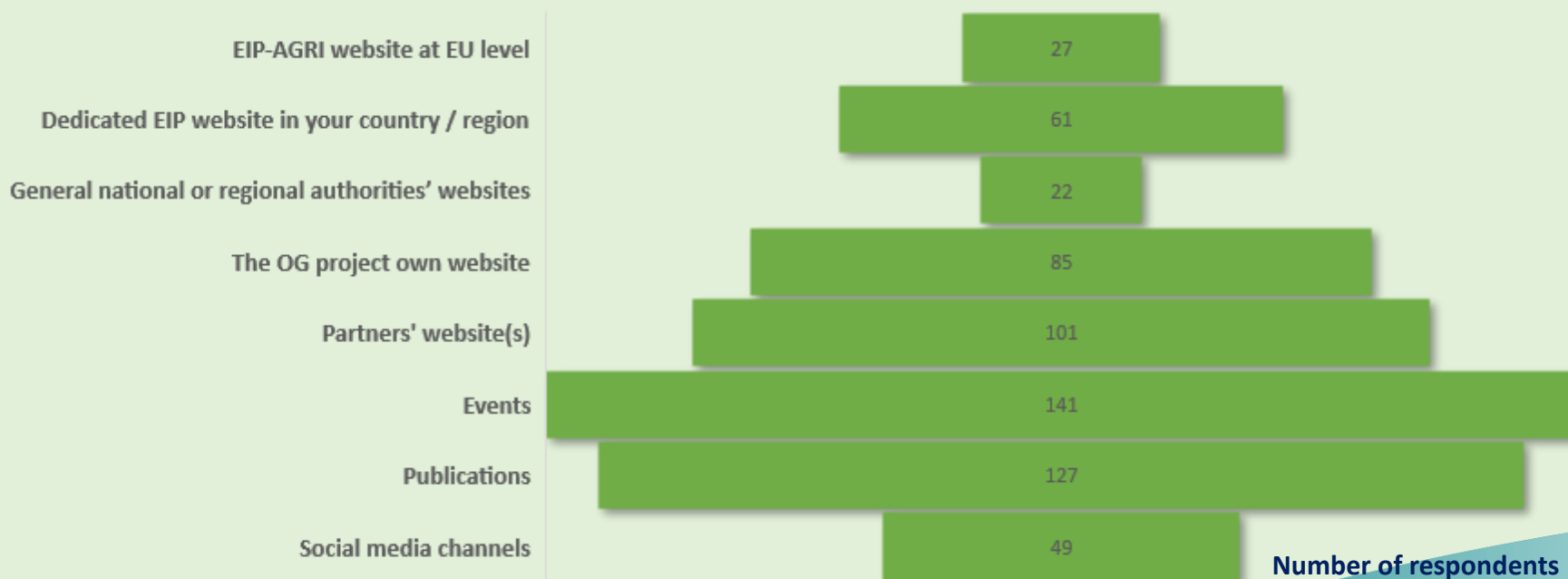
# OG assessment – some preliminary results



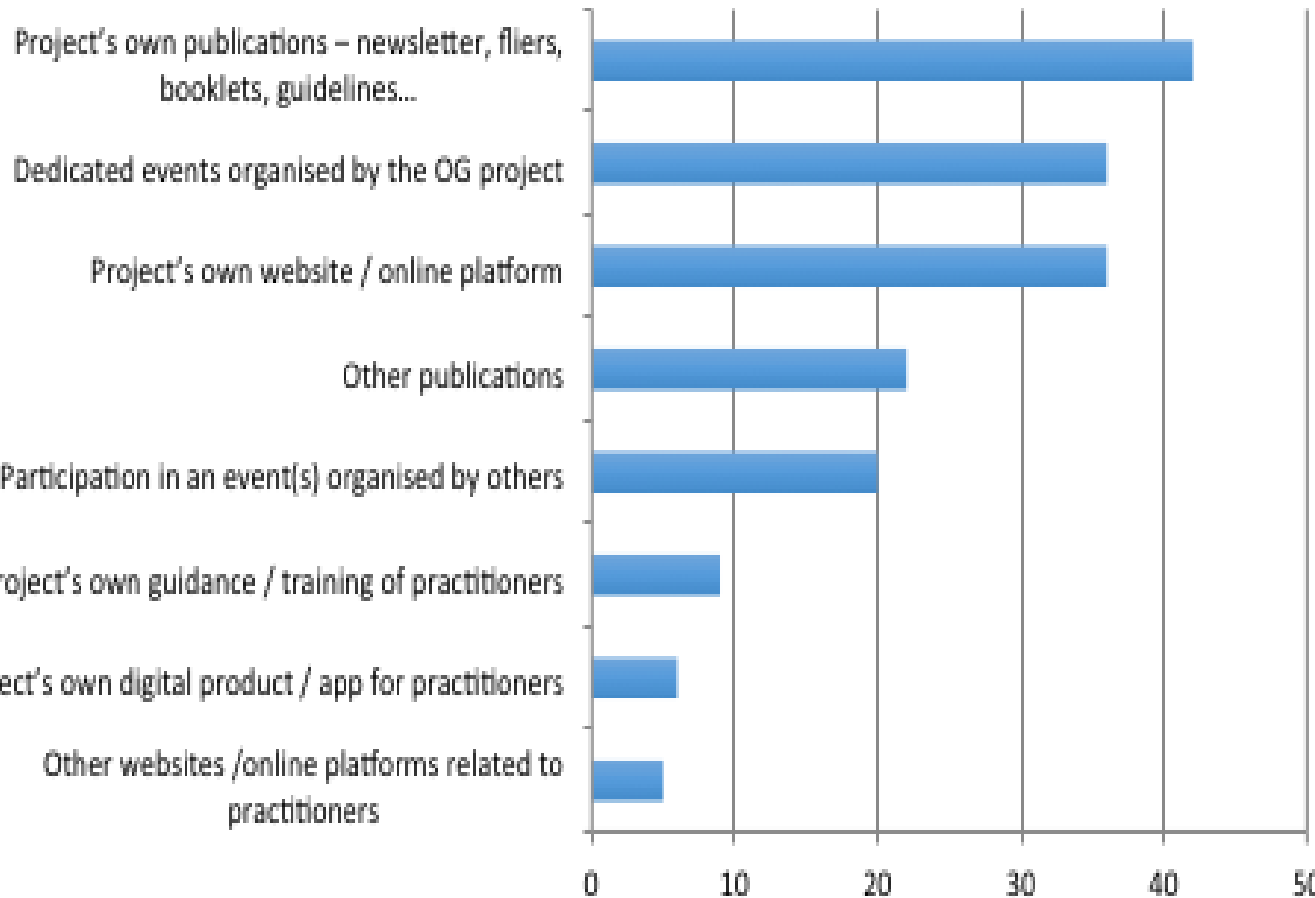
**Type of Collaboration of OGs projects with other entities (either individuals or organisations)**

# OG assessment – some preliminary results

## Use of different tools or channels to disseminate to the general public



# OG assessment – some preliminary results



**OG project results (intermediate or final) shared with practitioners**



## Recap: most interesting outcomes

- Role adviser
- 8% no farmer - 92% with farmer
- Improvement of current practices
- 75% already working together
- Satisfaction collaboration H2020
- Communication-dissemination
- Tutorial how to use the database

# Recap: how to make use of results for networking purposes

- Newsletter focus on thematic clusters
- Thematic activities by cluster linked to H2020
- Help OGs to connect to H2020
- How to use database to connect OGs with same themes, build together
- Classification of OG inspiration for national/regional authorities
- How to overcome barriers via case studies
- How to measure effectiveness of communication channels



# Session III

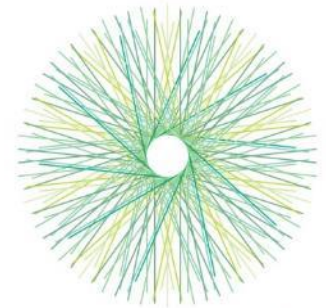
## Workplan 2019

SUBGROUP ON INNOVATION

**meeting 5 June 2018**  
**27 ideas discussed**



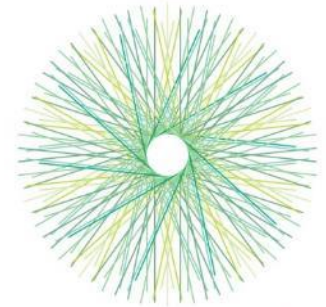
# New envisaged Focus Groups



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1. Antimicrobial resistance in the poultry sector
2. Beekeeping sustainability
3. Diversification through niche products (aromatic and medicinal plants)
4. Soil salinisation
5. Preserve agricultural soils from contamination

# New envisaged...



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## WORKSHOPS

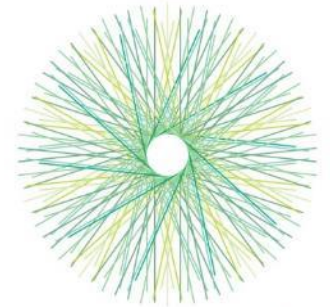
1. Crop diversification
2. Innovative solutions for small farms

## SEMINAR

1. Skills development

# New envisaged Seminars

1. Skills development
2. OG Networking on agroecology



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# Fostering a thriving innovation ecosystem by supporting Operational Groups

## Agro Innovation Summit 2019, Proposal from France



# European summit for innovation 2019

## A common initiative by :

- The Région Normandy
- The French Ministry of Agriculture and Food and Régions de France, co-pilots for the French National rural network
- Proposal for EIP-AGRI network to include it in workplan 2019
- Scheduled on the European agenda of the French minister in charge of agriculture in close connection with EU Commissioner Hogan



# European summit for innovation 2019

## Who ?

- 350 participants
- EIP stakeholders from all over Europe: OG, H2020 projects, managing authorities, networks...
- Other French stakeholders especially from Normandy Region, knowledge, agricultural and forestry innovation systems (farmers, stakeholders in food-chain, advisors, researchers, teachers, enterprises, competitiveness clusters, start-ups, NGO, Regional rural networks, Combined Technology Networks, Scientific Interest Groups...), stakeholders and decision-makers in public policies...

**When ?** June 2019

**Where ?** Normandie

# European summit for innovation 2019

**Why ?** The implementation of EIP has generated an important production of knowledges and innovations and has involved roughly

- 100 EIP multi-actors projects and thematic networks for challenge 2 of Horizon 2020
- 680 OG all over Europe (= those in SFC, not all OGs)
- 165 OG have been selected in France (within 16 out of the 18 Regions)

**Dissemination, valorisation, by EIP projects and networks**

# European summit for innovation 2019

## A need to improve :

- Practical presentation of EIP projects and results
- The link between the projects
- Capitalisation, transfer, assimilation of the results – peer to peer, grass-root practitioners, at food-chain level/supplier chain...
- EIP coordination at different level and between OG and EIP H2020 projects
- The dissemination and departitioning of EIP works and results to as many actors as possible in order to enhance cross-fertilisation and ensure a transfer
- The knowledge of the impacts

**and of course largely promote EIP-AGRI**, the multi-stakeholder approach, at multi-levels... interactive innovation as an answer to the needs and challenges of farmers and foresters

# European summit for innovation 2019

## Why in France ?

**France is committed in the transitions in agriculture and food-chains, implementing a policy in favour of the multi-performance - environmental, economic, sanitary and social – to meet this challenge.**

Agroecology, remains a priority since 2012 with regulatory and legislative tools and plans (e.g. « Produisons autrement » « Enseigner autrement », "4 per 1000" Initiative)

# European summit for innovation 2019

## Mobilisation of all stakeholders

- 16 French regions are involved in the implementation of the EIP (40 calls for proposals, **144 OG selected..., among which 80 OG are involved in agro-ecology or triple performance**)
- French stakeholders are involved in 82 EIP Horizon 2020 multi-stakeholders projects , through 313 participations (september 1st, 2018)
- 70 French experts have attend 30 focus groups of the EIP European network
- Actors from established Innovation, research and development structures (INRA, IRSTEA, ITA, ITAI, Chambres, ONVAR...), also participating in EIP
- Inspiring and dynamic tools such as Combined Technology Networks, Scientific Interest
- Groups, collaborative projects (CASDAR, GIEE...) to be linked to the eip

## Normandie Region:

**OG working and OG in ongoing selection...**

# European summit for innovation 2019

**Innovation in favour of the agroecological transition in agriculture in a shared endeavour to enhance -environmental, economic, sanitary and social performances**

## The main drivers of agroecology

- **Engaging in holistic and systematic consideration**
- **Making use of positive biological interactions in farming systems**
- **Supporting the autonomy and resilience of farms**
- **Achieve a successful integration of agroecology within the whole supply chain**

# European summit for innovation 2019

The summit would be dedicated to EIP contribution to the agroecological transition

Looking for innovation and valuable insights, impacts, all kinds of added values and transfers

## Organisation of the event : An outline

**The format of the event** would be close to the one in Lisboa, learning from the experience :

- Devoted to EIP-AGRI
- Looking for the right balance between Day1 and Day2
- A limited number of workshops
- Concrete issues
- Presentation of projects factsheet
- Time to share and exchange
- Time dedicated to digital and new technologies for the future

# European summit for innovation 2019

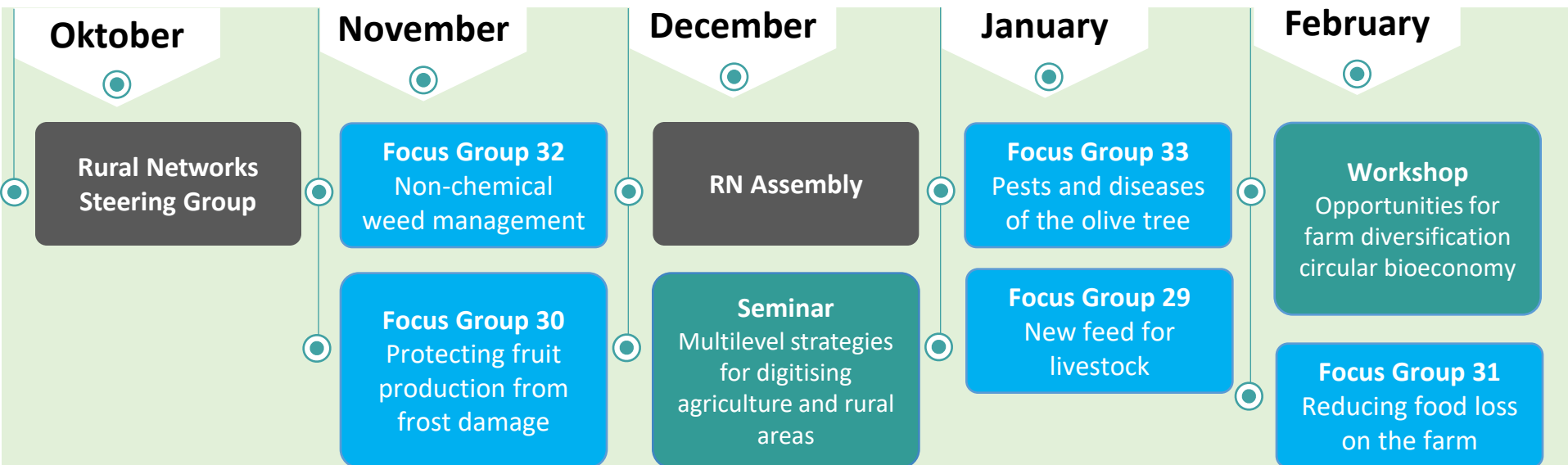
## Thematic Sessions

### EIP contribution to agro-ecological transition

1. How to increase the autonomy of farms, reduce the use of inputs ?
2. What kind of production systems to achieve a sustainable management, use and protection of resources?
3. Achieve the integration of agro-ecology with the downstream, the consumer/citizen?



# EIP-AGRI network upcoming activities 2018-2019



## 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

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

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



*More information and events:*

[www.eip-agri.eu](http://www.eip-agri.eu)

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

*Inge.Van-Oost@ec.europa.eu*

***Thank you for your attention!***



# 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

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



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

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



# 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>



# ***Start building an EU AKIS***

