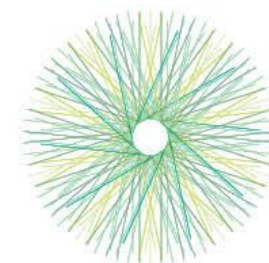


EIP-AGRI Seminar

Moving EIP-AGRI implementation forward

May 10 – 11, 2017 – Athens, Greece



eip-agri
AGRICULTURE & INNOVATION



funded by





EIP-AGRI Seminar 'Moving EIP-AGRI implementation forward' Wednesday 10 May 2017 – Athens, Greece

08:50 – 12:00 Social event: guided tour of the Acropolis Museum

12:00 – 13:00 Registration and buffet lunch

Setting the scene – Why are we here in this seminar?

13:00 – 13:10 Welcome by the host and by DG AGRI, European Commission

Charalambos Kasimis, Greek Secretary-General of Agricultural Policy and Management of European Funds

Alexander Bartovič, DG Agriculture and Rural Development

13:10 – 13:25 The bigger picture of the EIP-AGRI

Inge Van Oost, DG AGRI

13:25 – 13:30 Warm-up

Sebastian Elbe, EIP-AGRI Service Point

13:30 – 14:00 What EIP-AGRI is about – examples of Operational Groups (OGs)

•DE – Mecklenburg-Vorpommern, *Ulrich Knaus – Aquaponics, combining plant and fish production*

•SE – Sweden, *Samo Grasic – Innovative planning in reindeer herding*

•FR – Midi-Pyrénées, *Christophe Durand – Triple performance for pig farming*

•IT – Emilia-Romagna, *Matteo Gatti – Competitive and sustainable viticulture*

•BE – Flanders, *Koen Mertens – Testing the potential of sensors for GPS technology on pilot farms*

14:00 – 14:20 1st breakout session – “Getting to know each other”

Introduction – *Sebastian Elbe, EIP-AGRI Service Point*



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



EIP Seminar: **Moving EIP-AGRI implementation forward**

Athens – 10-11 May 2017

Inge Van Oost – DG Agriculture and Rural Development

- 2010: European Innovation Partnerships want to speed up innovation through **cooperation and linking** existing policies and instruments
- 2012 EIP "**Agricultural productivity and sustainability**" launched: "more and better from less", "ideas put into practice with success", impact by end-users becoming "actors" and motivated
- The EIP-AGRI applies an overarching concept based on the **interactive innovation model** (applied in RD Operational Groups and H2020 Multi-Actor projects):

Collaboration between various actors to make **best use of complementary types of knowledge** (scientific, practical, organisational, etc) **in view of co-creation** and diffusion of solutions/opportunities **ready to implement in practice.**

- **EU wide EIP network** linking actors: communication, partnering, dissemination, knowledge flows and collecting practice needs: EIP-AGRI

*Interactive innovation: **Cross-fertilisation** is key for tackling complex challenges and developing opportunities for innovation*

Du choc des idées jaillit la lumière

Nicolas Boileau, french philosopher, 17th century

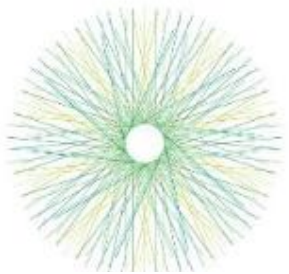
- > Enlightenment comes when views collide
- > From the clash of opposing minds, new ideas arise



Funding for interactive innovation projects

Rural Development (regional/national level)

- Funding for setting up of an **“Operational Group” (OG)** : farmers, advisors, agribusiness, researchers, NGOs, etc) planning an innovation project (Art 35)
- **Project funding** for the **Operational Group’s project** (Art 35).
- Supporting innovation support services



eip-agri
AGRICULTURE INNOVATION

EIP
networks
MS/regions

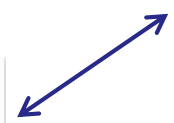
Unique EU
repository of
contacts and
practice
abstracts

Health and
Consumers

Horizon 2020 (European projects)

- **Research projects**, to provide the knowledge base for innovative actions
- **Interactive** innovation formats: **multi-actor projects and thematic networks** genuinely involving farmers, advisors, enterprises, etc.... **“all along the project”**

Involvement of OGs is strongly recommended



Having potential innovative knowledge is one thing, turning it into reality is another.

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

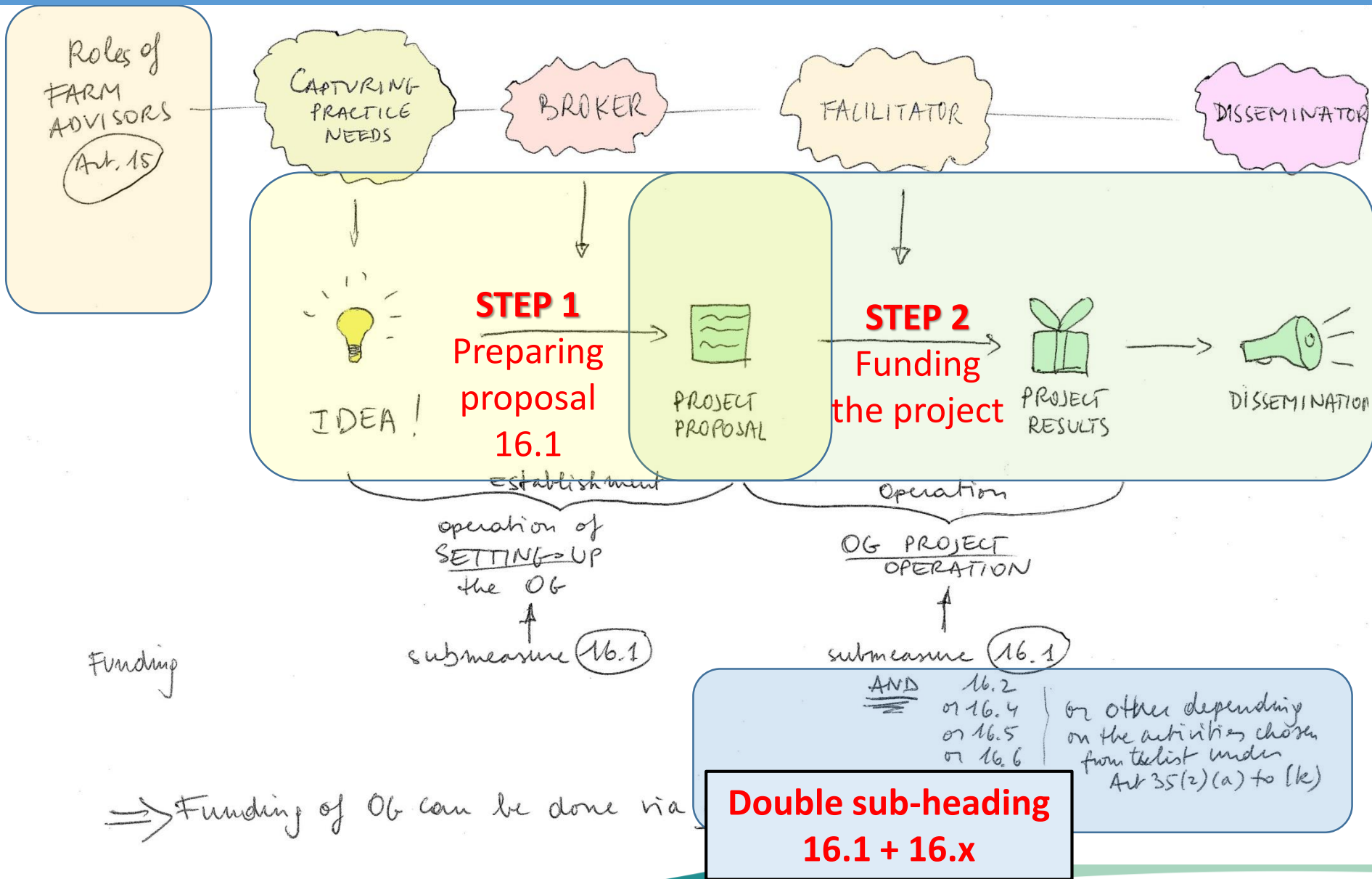
***Better connectivity and
quicker circulation of
information***

Where are we so far with the EIP-AGRI ?

EIP Operational Groups 2014-2020

- The EIP implementation aims at a **flexible and open system** for the creation of a multiplicity of operational groups (OGs)
- **27 MS and 97 RDPs** will be implementing the EIP in their 2014-2020 Rural Development programmes with **regular calls for Operational Group projects during this period**
- **3200 OGs** planned in 2014-2020, with cooperation in innovative activities such as the development of **new products or practices**, pilot projects, **supply chain** cooperation, **environmental** projects or climate change actions, cooperation in **biomass** provision or renewable **energy**, forest management and much more
- EIP provides **unique opportunity for better cooperation projects** thanks to attention for supporting environment and through the (possible) funding of the preparation process of a project

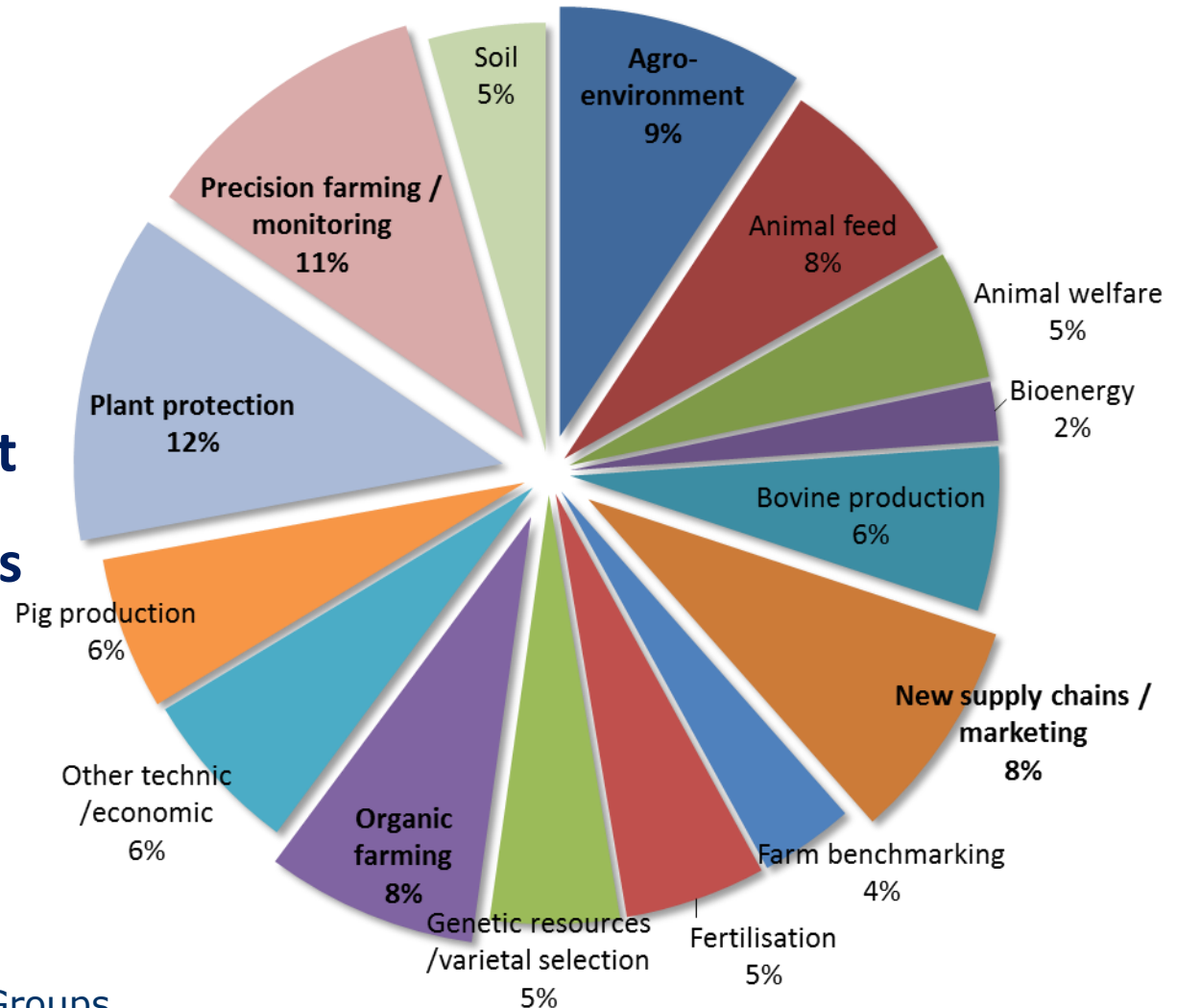
Support for preparing OG's project ("setting up") complements the funding for the OG's project ("operation")



In terms of **scope**:

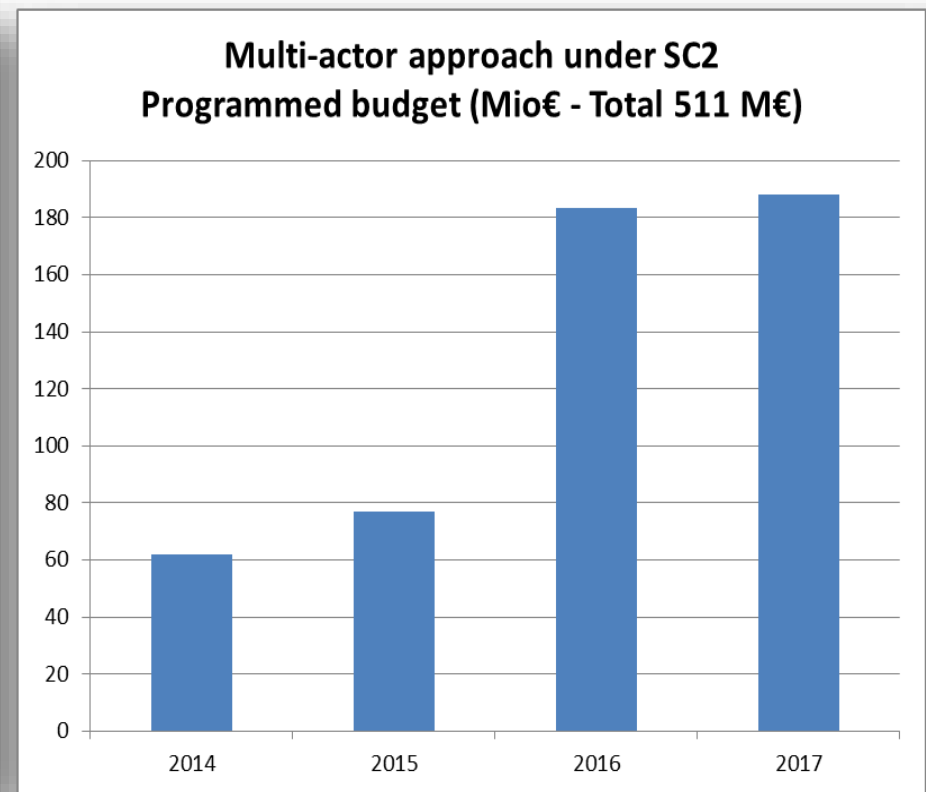
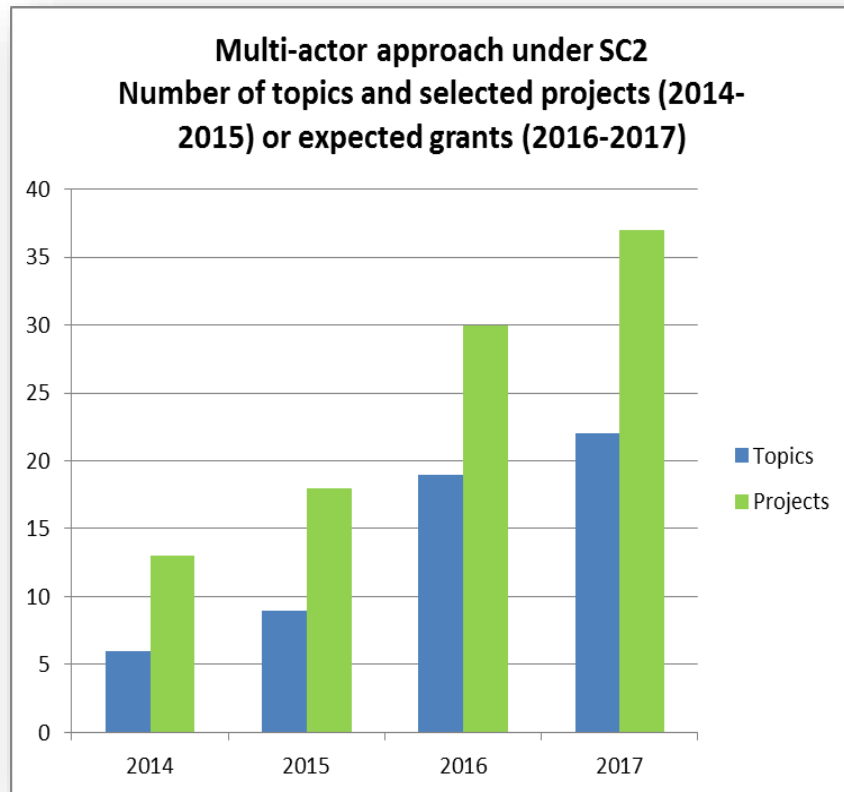
Top 5

- **Plant protection**
- **Precision farming**
- **Agro-environment**
- **New supply chains**
- **Organic farming**



* Initial clustering analysis covering 231 Operational Groups, data from **Oct 2016** in 7 MS (AT, BE, DE, ES, FR, UK)

Horizon 2020 topics/projects: Multi-actor approach in 2014-2017



More multi-actor topics/projects in Horizon 2020 WP 2018-2020
to be published in Oct 2017

H2020 Thematic networks : **Compiling knowledge ready for practice**

- Themes must **focus on the most urgent needs of agricultural or forestry production sectors**
- Themes to be chosen **bottom-up**, contributing to a more competitive sustainable agriculture and forestry, and should be multi-actor
- Partners should summarise, share and **present existing scientific knowledge & best practices** that are not sufficiently known (and applied) by practitioners
- Projects must **involve actors relevant for the chose theme** (e.g. researchers, farmers, advisors, enterprises, education, NGOs, administration, regulatory bodies, **EIP OGs...**)



Involvement of OGs is
strongly recommended



17 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



17 H2020 bottom-up Thematic Networks so far (2) a complementary set of themes (cross-cutting themes)

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

An EU wide EIP network, supported under Rural development policy

Linking with H2020

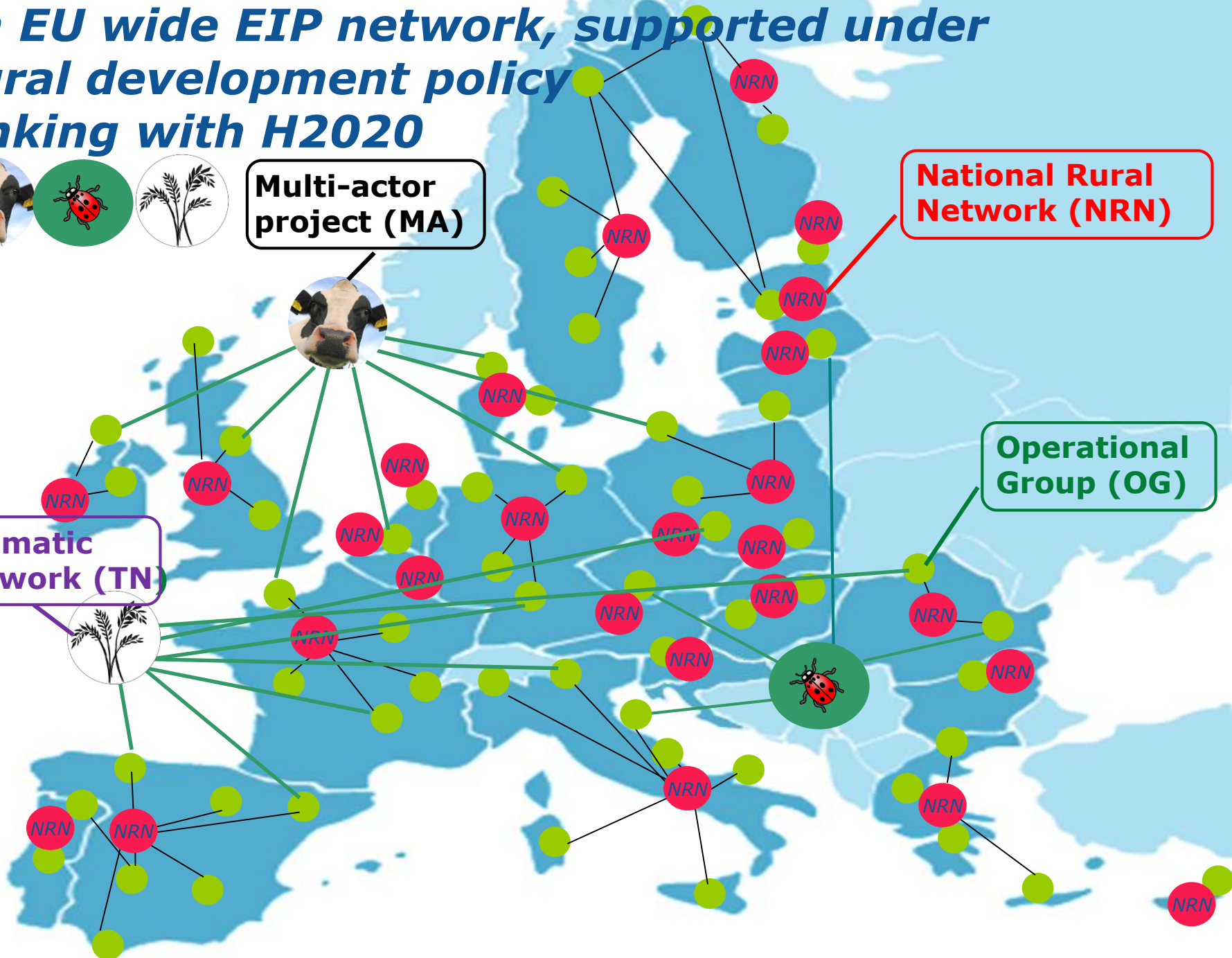


Multi-actor project (MA)

National Rural Network (NRN)

Operational Group (OG)

Thematic Network (TN)



“The next big thing
will be a lot of small
things”

21 September 2016
(Thomas Lomme)

Context for reporting/informing on Multi-actor projects, Thematic Networks and OGs:

- Key in exchanging knowledge **within the framework of the EIP network**: raising awareness and encourage contacts (e.g. link with EIP SP events and EIP Focus Groups).
- As of H2020 call 2016, all **multi-actor projects and thematic networks** are obliged to produce practice abstracts and use the EIP "Common format"
- All other projects from whatever funding source are also welcomed to use the same format.
- **All this will form a unique practice-oriented interoperable repository at EU level**, also rewarding researchers for impact.
- **Partner search**: the common format enables MAs, TNs and OGs to be quickly **visible** for other partners and innovation actors, including various internat./national/regional projects

What info is to be shared through the EIP common format?

- Short and easily understandable **title**
- Short **info** in easily understandable language (max 1500 char.)
= 'practice abstracts':
 - What problem will the knowledge generated solve for the end-user? What will be the main benefits to the practitioner?
 - Main outcome/recommendation (2-3 main results)
- **Contact data:** Project coordinator (+ address, e-mail, telephone), text editor, project partners (+ address, e-mail, telephone), geographical location, project period, funding source & budget, link to project website and to a **website where info stays long-term available**
- At least **at the beginning** + at the **end** (= results) of the project

An example of a practice abstract (from Fertinnowa)

Application of zeolite to reduce nitrates concentration in growing media and soil

Areas like the Albenga plain in Liguria Region (Italy) are classified as “areas vulnerable to nitrates” and are under specific legislation to limit nitrate contamination of superficial and deep water bodies.

The addition of zeolite to the source of nitrogen can improve the nitrogen use efficiency and reduce the environmental impact caused by nitrates leaching. Thanks to the specific atomic structure of clinoptilolite (a kind of zeolite) nitrifying bacteria are stopped from entering the tiny pores of the clinoptilolite. The ammonium is held internally on the cation-exchange sites and is not likely to be leached out easily as water passes through. As a consequence, nitrification and thus nitrate leaching is reduced. Secondly, zeolites improve nitrogen use efficiency because they act as a medium that slowly releases fertilisers.

Trials in the Albenga area have demonstrated that the addition of zeolite to the soil substrate both in open field (vegetables) and in greenhouse (ornamentals) lead to a reduction of nitrates concentration in the substrate.

For the best result, add clinoptilolite at a rate of 3% weight/weight when preparing the substrate for crop cultivation:

- for potted plants: mixed in the peat based substrate (normally added with slow release fertiliser);
- for open field cultivation: mixed in the first 20-30 cm of soil through tillage.

OG information workflow



Operational Group



Managing Authority

SFC



European Commission



EIP WEBSITE



European Commission > EIP-AGRI > Mise au point et adaptation d'itinéraires techniques innovants en filières végétales: Innoveg.

- Search Funding Opportunities
- Search Needs for research from practice
- Search People
- Online resources
- Search Interesting Projects

Mise au point et adaptation d'itinéraires techniques innovants en filières végétales: Innoveg.

Geographical location	France
Main geographical location (NUTS3)	Mayotte
Keywords	Agricultural production system
Main funding source	Rural development 2014-2020 for Operational Groups (in the sense of Art 56 of Reg.1305/2013)
Project type	Operational group
Starting date	2015
End date	2017
Project status	ongoing

Title (in English): Development and adaptation of innovative technological itinerary in vegetal sectors: Innoveg

Objective of the project (native language):
Le projet s'inscrit dans le processus de la 1^{re} phase du projet RITA (2012-2013). Il vise à structurer et développer de manière durable les filières végétales mahoraises en intervenant aux diverses étapes du processus de production jusqu'à la récolte et la transformation des produits. Les activités de recherches-développement-formation ont été définies après un long processus de réflexion et concertation avec l'ensemble des partenaires des filières végétales en 2014, et répondent aux besoins exprimés par les agriculteurs et aux enjeux de l'agro-écologie.

Objective of the project (in English):
The project is registered in the process of the first phase of RITA (2012-2013). It aims to structure and develop in a sustainable manner mahorian vegetal sectors by intervening at the different stages of the production process until the harvest and the products transformation. Research-development-background activities were defined after a long process of reflexion and dialogue with whole partners of vegetal sectors in 2014, and respond to needs expressed by farmers and agro-ecology issues.

Description of activities (native language):
Les activités du projet se regroupent en 5 thèmes (ou WP): 1- Système d'information sur la performance agronomiques et environnementales des systèmes de cultures mixtes. 2- Santé végétal à Mayotte: gestion agroécologique des bioagresseurs. 3- Amélioration des itinéraires techniques des filières maraîchères, fruitière et vivrière et diversification variétale. 4- Mise au point de nouveaux processus de transformation apportant de la valeur ajoutée aux productions typiques de Mayotte. 5- Transfert des résultats et diffusion en milieu paysan

Description of activities (in English):
The project activities gathered on 5 themes (or WP): 1- Information System on agronomic and environmental performance of mixed crops. 2- Plant health in Mayotte island: agro-ecological management of bio-agressors. 3- Improvement of technological itineraries in market gardening, fruit production and subsistence crop and varietal diversification. 4- Creation of new transformation processes bringing a major added value to typical Mahorian products. 5- Transfer and dissemination results in farming areas.

Total budget: 265338

Project coordinator

Name: MANDRET GILES
Address: 43, Rue de l'hôpital, B.P 1304, Kawéni, 97600 Mamoudzou
Email: secretariat@cirad.mayotte@cirad.fr
Telephone: 0269612121

- Project partners
- Short summary for practitioners

Practice abstract 1

Short summary for practitioners (in English):
The project will allow in the field of Research, the publication of different types of documents: technical datasheets, reports, articles... In the area of relationship with the main actors, the dissemination of Research results in farm areas by communication channel and the implementation of new good practices in production. Economically, the project will

Unique EU repository of contacts and practice abstracts

What is the role of EIP networking at national/regional level by NRNs:

Connecting actors and animating innovative actions (Art.54):

- The **action plan of the National Rural Network (NRN)** should foster innovation and cover at least
 - the **search of partners** for Operational Groups
 - provide **networking for advisors and innovation support services**
- So, the NRN activities should connect within the region/country to existing networks and experience, and link to advisors and other actors to incentivise innovation projects and sharing needs from practice and information
- **NRNs will make use of the info in the EIP common format** for connecting partners and projects (=> reflect on OG info **exchange mode between NRN/Man. Auth.**)

EIP evaluation study

By external contractor, published February 2017

- **Conclusions:** EIP = **unique funding for innovative opportunities** for farmers/foresters because of
 - bottom-up
 - coverage of real needs/opportunities
- Strong point = EIP's **flexibility** to adapt to local context
- **Recommendations** on multiplication and linkages, RD administrative structures (eg application issues, facilitation), on EU added value & networking, on EU AKIS connecting and widening

https://ec.europa.eu/agriculture/sites/agriculture/files/external-studies/2016/eip-2016/eval_en.pdf

*How do you
tackle a
new
measure?*

**FAILING
FORWARD**

*Now we can
share
experiences!*



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

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

More information:

<http://ec.europa.eu/eip/agriculture/>

Inge.Van-Oost@ec.europa.eu

Thank you for your attention!



More info on H2020?

Videostreamed presentation on Multi-actor approach and Thematic Networks in call 2016: (from 0:53:00 till 01:47:00)
<https://scic.ec.europa.eu/streaming/workshop-on-multi-actor-approach-and-thematic-networks-under-horizon-2020>

Basic info + questions & answers

Workshop "Interactive innovation in motion: multi-actor projects and thematic networks under Horizon 2020" 24/11/2015:

Event page:

<https://ec.europa.eu/programmes/horizon2020/en/news/interactive-innovation-motion-multi-actor-projects-and-thematic-networks-under-horizon-2020>



Where can you find more info?

- **EIP brochure on thematic networks & practice abstracts**
 - http://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_brochure_thematic_networks_2016_en_web.pdf
- **EIP common format for practice abstracts**
 - <https://ec.europa.eu/eip/agriculture/en/content/eip-agri-common-format>
- **Videostreamed seminar on drafting practice abstracts:**
 - <http://www.ncp-biohorizon.net/events?cmd=showDetail&id=33>
- **Links to NRNs:** National Rural Networks can help in **partner search between** H2020 consortia and EIP Operational Groups
 - http://enrd.ec.europa.eu/enrd-static/networks-and-networking/nrn-information/en/nrn-information_en.html
- **EIP brochure on multi-actor projects**
 - **NEW:** will become available before next H2020 call in October 2017

A few tips on how to link OGs to H2020:

- **Multi-actor project consortia are looking for OGs: be visible** as from the start of your OG project (use practice abstracts, use H2020 info events and partnering events at EU and national level, use the partner search tool on the EIP website, use EIP events and FGs)
- **Thematic networks could be built from OGs** in various MS/regions (minimum 3), see clusters of OG themes, also **cross-border OGs**
- The EIP network will start organising **dedicated events to bring together OGs**, but don't wait to take initiative yourselves (eg OGs may present themselves in conferences and events)
- **Practice abstracts** are there to help you connect on similar themes: find contact data from potential partners (both for informing OG projects and for forming potential consortia for MA projects)
- **Organise collection of needs from farmers & foresters' practice**: can feed into the H2020 WP programming phase and in the yearly bottom-up topics in the H2020 WP (without predefined themes)

EIP-AGRI Seminar 'Moving EIP-AGRI implementation forward'

**All seminar presentations and
documents are available on
www.eip-agri.eu**

