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

Demand driven innovation under H2020: Multi-actor topics and Thematic networks

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Inge Van Oost - DG Agriculture and Rural Development

Multi-actor projects in WP 2016-2017

Total budget for all multi-actor projects and thematic networks in the first 2 Horizon 2020 Workprogrammes amounts **around 500 mio euro**

The **rationale** for multi-actor approach is **explained** in the introduction of the WP on p.10 after *"To permeate the systems…"*

WP SC 2 Food security, …2016-17 :
http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-food_en.pdf

The Work programme **defines the requirements for multi-actor projects** after the bullet *"The multi-actor approach aims at…"*
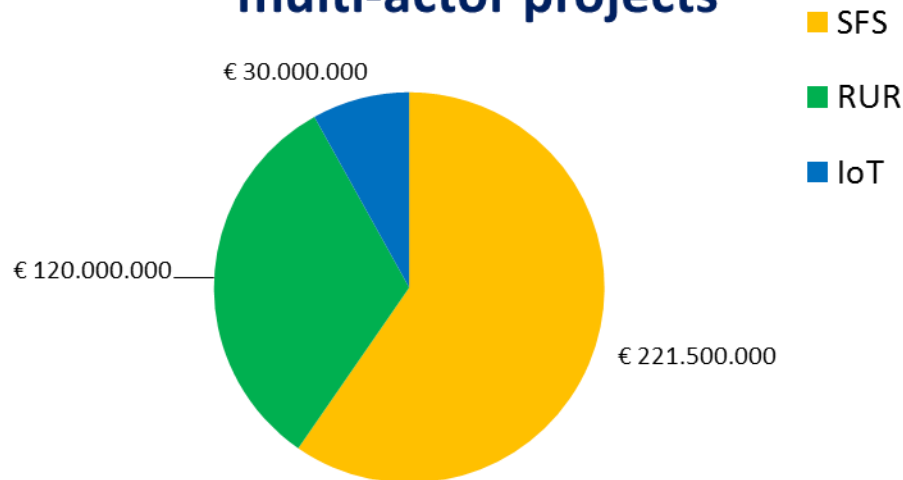
All multi-actor projects have the following sentence in the description of the topic: *"Proposals should fall under the concept of multi-actor approach"*

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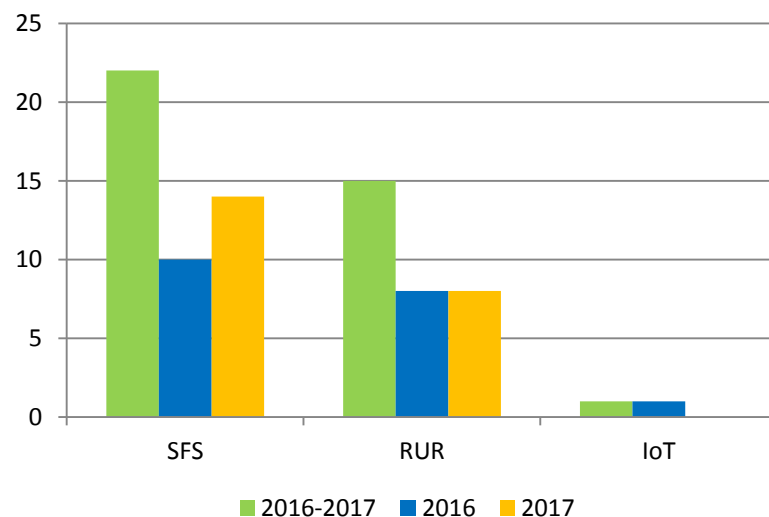Development

The Multi-actor approach in WP2016-2017

WP 2014-2015 X 2,5 → **371,5 Million euros**

38 topics in 3 calls: SFS (221), RUR (120), IoT (30)

Distribution of budget for multi-actor projects

- SFS
- RUR
- IoT

€ 30.000.000

€ 120.000.000

€ 221.500.000

Number of multi-actor topics in WP2016-2017

	SFS	RUR	IoT
2016-2017	22	15	1
2016	10	8	1
2017	14	8	

Legend: 2016-2017, 2016, 2017

European Commission

IMPACT! Multi-actor projects in WP 2016-2017

A multi-actor project needs to **demonstrate**:

- how the project proposal's **objectives** and planning are **targeted to needs / problems and opportunities of end-users**

- **complementarity** with existing research and best practices

    *[What is the project's **added value**? - **Avoid recycling** projects: repetition and continuation of former projects – more of the same]*

- sufficient involvement of **key actors with complementary types of knowledge** (scientific and practical) should be **reflected in the composition of the project consortium** to reach the project objectives and make its results broadly implemented.

    [Include partners beyond scientists, such as farmers, farmers' groups, advisors etc - Don't forget to think about involving multipliers to strengthen impacts]

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IMPACT! Multi-actor projects in WP 2016-2017

A multi-actor project:

- **As a minimum**, should result in **substantial** easily understandable practical knowledge for broad dissemination in the **common EIP format**

    [focus on concrete and concisely written results (not project activities description): possibly some 100 EIP practice abstracts in a practitioners/farmers' language, best practices resulting from the projects' work, some qualitative audio-visual material, etc

    Do not reinvent the wheel : use existing long term available dissemination channels for practitioners, lasting beyond the project period, eg websites of Ministries, farmers' organisations, advisors …]

- Facilitation/**mediation** between actors and involving for instance **RD operational groups,** are strongly recommended

    [but don't make impossible promises and mix up funding sources and policies: H2020 consortia cannot start up Operational Groups]

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Demand-driven innovation in Multi-actor projects

- "multi-actor" is more than a strong dissemination requirement or a broad stakeholders' board

- "_all along the project_" *: **a clear role for the different actors** in the work plan, from the participation in the planning of work and experiments, their execution up until the dissemination of results and the possible demonstration phase.

- Project proposals should illustrate sufficient quantity and quality of **knowledge exchange activities**

Actor: a partner taking part in project **_activities_**

Stakeholder: person expressing a **view/stake** at a certain moment during the project

*Thematic networks **in WP 2016-2017: Compiling knowledge** ready for practice*

- Projects **involving all actors relevant for the chose theme** (e.g. researchers, farmers, advisors, enterprises, education, NGOs, administration, regulatory bodies, EIP project groups…):

  [no pure research networks, use funding efficient: not as many actors as possible but chose those actors that are complementary and can really contribute]

- Provide a comprehensive **description of the state of the art**: Partners should summarise, share and **present existing scientific knowledge & best practices that are not sufficiently known (and applied) by practitioners**

  *[when defining objectives: illustrate the **added value, relevance of the theme, needs and potential for farming/forestry**. Get input from the existing projects from <u>various</u> funding sources and avoid recycling of projects and project partners]*

H2020 calls 2015: 16 new Multi-Actor projects, including 7 Thematic Networks

SFS-1C-2015	**iSAGE**	**Sustainability of terrestrial livestock**
SFS-2B -2015	**SOILCARE**	**Soil cropping improving systems**
SFS-5-2015	**NEURICE** **GoodBerry** **TomGEM**	**Crop productivity strategies (Genetics x Environment x Management)**
SFS-13-2015	**MyToolBox** **MycoKey**	**Biological contamination of crops and food chain**
SFS-20-2015	**Strength2Food**	**Sustainable food chains: EU quality policy and public sector procurement**
ISIB-2-2015: **Thematic Networks**	**Smart-AKIS**	**Smart Farming Technology:** **Farm Management Information Systems, Precision Agriculture and Agriculture automation and robotics**
	HNV-Link	**Support HNV farmlands through knowledge and innovation**
	AGRIFORVALOR	**Valorization of biomass side-streams from agriculture and forest**
	4D4F	**Data and sensor driven decision making on dairy farms**
	EuroDairy	**Practice-based innovations in dairy farming: resource efficiency, Biodiversity, Animal care, and Socio-economic resilience**
	EUFRUIT	**fruit: cultivar development, minimise residues, storage and fruit quality, sustainability of production systems**
ISIB-4b-2015	**ALTERFOR**	**Improved forest management models**
WATER-4b-2015 (TN)	**FERTINNOWA**	**Optimize water and nutrient use efficiency:** **dbase on innovative technologies and practices for fertigation of horticultural crops**

4 Thematic networks – call 2014

http://agrispin.eu/
Innovation brokering and support

http://www.winetwork.eu/
Wine diseases

http://www.ok-net-arable.eu/
Organic agriculture arable crops

http://www.hennovation.eu/
Animal welfare hens

Health and
Consumers

Thematic networks **in WP 2016-2017: Compiling knowledge ready for practice**

Clearer focus on primary production's needs:

- Themes must **focus on the most urgent needs of agricultural or forestry production sectors**, or on important or promising cross-sectoral issues, including where primary production needs to improve its linkages to the supply chain

- Themes to be chosen **bottom-up**, contributing to a more competitive sustainable agriculture and forestry

  *[can be linked to **products or sectors**, e.g. arable crops, fruits, vegetables, pig,…etc) or a broad range **of cross-cutting subjects**, e.g. crop rotation, certain farming practices, energy, implementation approaches of a directive, eco-system services, social services, bio-based products, short supply chains,…etc]*

*Thematic networks **in WP 2016-2017: Compiling knowledge ready for practice***

Expected impact:

- Support for the EIP through interaction with operational groups, and **delivery of a substantial number of "practice abstracts"** in the common EIP format *[provide a good description & quantification/qualification of the outputs]*

- Long term available

  [KISS, no new temporary fancy IT tools/platforms]

- Using the **main existing dissemination** channels most used by practitioners

  [where the material stays available after the project finishes]

- Audio-visual material wherever possible

  [farmers/end-users learn with their eyes]

- Greater **user acceptance** and dissemination of end-user material

*Thematic networks **in WP 2016-2017:** **Compiling knowledge** **ready for practice***

Thematic networks **are not:**

- **networks for discussion**

- **research** projects

- networks **intended to prepare a research agenda**. *Thematic networks aim to put existing research into practice by focusing on end-user material feeding into the EIP network for broad dissemination*

- **awareness-raising or supply chain platforms/networks**. *Thematic networks intend to spread practical knowledge, and to make this happen they should be involving practitioners (farmers/foresters) in a multi-actor approach and working bottom-up starting with farmers and their needs*.

Thematic networks call 2014 – an example
Compiling knowledge ready for practice

- **Objectives targeting the needs of end-users (Imp) :** Key wine diseases (Grapevine Trunk Diseases and Flavescence Dorée) representing a threat for the economic viability of the entire sector, have been identified as a priority by winegrowers, many winegrowers are testing innovative sustainable approaches to fight these diseases.

- **Multi-actor approach (Exc) :** collecting data and discussion through a network of <u>facilitator</u> agents, several regional technical working groups and one European scientific working group. <u>Capturing ideas and sharing</u> between EU countries: 10 regions from 7 countries representing more than 90% of the EU wine production. Many knowl. exchange activities & experience bottom-up interactive processes

- **Consortium (Impl)**: 11 partners from science, advisory and practice; regional technical working groups already defined in the proposal (no vague promises & complementary knowledge)

http://www.winetwork.eu/

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WINETWORK
European Knowledge Transfer

How to support putting results from projects into practice "with success" ?

- **The common EIP format for "practice abstracts"** was developed, building on Member States' experience (KISS – act against information overload) and agreed at EU level thanks to the work of the Standing Committee for Agricultural Research (SCAR SWG AKIS) **https://ec.europa.eu/eip/agriculture/en/content/eip-agri-common-format**

- It will contribute to the **visibility and rewarding of researchers' work** in practice-oriented interactive innovation projects (e.g. thematic networks, multi-actor projects, rural development operational groups, etc)

- The unique EU repository of practice abstracts on the EIP website may help **measuring impact** of research on practice, similar to the research abstracts in peer reviewed journals.

Common format for practitioners ('practice abstracts'): *info shared through the EIP network*

- Short and easily understandable **title** (one key sentence, max 150 char.)

- Short **summary** in easily understandable language (max 1500 char.):

  - 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

Multi-actor 2017: Sustainable Food Security (SFS)

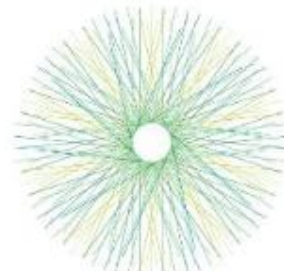| SFS-4	New partnerships and tools to enhance European capacities for in-situ conservation	2 M€
SFS-8	Organic inputs – contentious inputs in organic farming	8 M€
SFS-10	Emerging diseases in plants and terrestrial livestock	15 M€
SFS-16	Bee health and sustainable pollination	9 M€
SFS-17	Innovations in plant protection	10 M€
SFS-20	Science-based regionalisation of the Common Fisheries Policy	6 M€
SFS-27	Permanent grassland – farming systems and policies	10 M€
SFS-28	Functional biodiversity – productivity gains through functional biodiversity: interplay of crop pollinators and pest predators	10 M€
SFS-30	Closing loops at farm and regional levels to mitigate GHG emissions and environmental contamination - focus on C, N and P cycling	12 M€
SFS-34	Innovative agri-food chains: unlocking the potential for competitiveness and sustainability	6 M€
SFS-39	How to tackle the childhood obesity epidemic?	20 M€
SFS-48	Resource-efficient urban agriculture for multiple benefits – contribution to the EU-China Urbanisation Partnership	7 M€

Multi-actor 2017 - Rural Renaissance (RUR)

RUR-2	Coastal-rural interactions: Enhancing synergies between land and sea-based activities	5 Mio €
RUR-5	Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services	8 Mio €
RUR-9	Business models for modern rural economies	9 Mio €
RUR-12	Networking European farms to boost thematic knowledge exchanges and close the innovation gap	7 Mio €
RUR-10	**Thematic Networks compiling knowledge ready for practice**	**10 Mio €**
RUR-13	Building a future science and education system fit to deliver to practice	7 Mio €
RUR-15	The benefits of working with others – fostering social capital in the farming sector	3 Mio €
RUR-16	Optimising interactive innovation project approaches and the delivery of EU policies to speed up innovation in rural areas	5 Mio €

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European Innovation Partnership EIP-AGRI

Rural Development

- **Funding for setting up of an "Operational Group":** farmers, advisors, agribusiness, researchers, NGOs, etc) <u>planning an innovation project</u> (Art 35)

- **<u>Project funding</u>** for the Operational Group's project (Art 35). This co-operation could be combined with other RD measures (e.g. investment, knowledge transfer, advice)

- Supporting **innovation support services**

eip-agri

AGRICULTURE & INNOVATION

EIP networks in MS/regions

Horizon 2020

- **Research projects,** to provide the knowledge base for innovative actions

- **Interactive** innovation formats such as **multi-actor projects and thematic networks** genuinely involving farmers, advisors, entreprises, etc…. "**<u>all along the project</u>**"

Learn from first Horizon 2020 multi-actor projects

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

Multi-actor approach and thematic networks in call 2016: videostreamed presentation (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**

questions & answers, examples from call 2014

Where can I find info?

- **Ongoing multi-actor projects and thematic networks**:

    - http://ec.europa.eu/agriculture/research-innovation/projects/index_en.htm

    - http://cordis.europa.eu/projects/home_en.html

    - (EIP common format for practice abstracts)

- **EIP common format for practice abstracts**

    - https://ec.europa.eu/eip/agriculture/en/content/eip-agri-common-format

- **Links to NRNs:** National Rural Networks can help in partner search for EIP Operational Groups

    http://enrd.ec.europa.eu/enrd-static/networks-and-networking/nrn-information/en/nrn-information_en.html