



Horizon 2020 Work Programme for Research & Innovation 2018-2020

Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy

Highlights of the 2020 calls

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WP at a glance

The policy context

- Global commitments

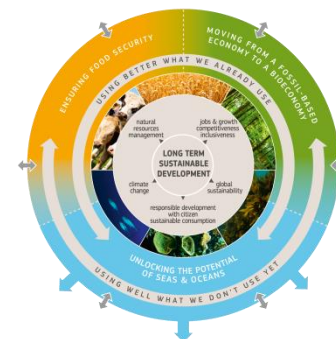


United Nations
Framework Convention on
Climate Change

- European policies



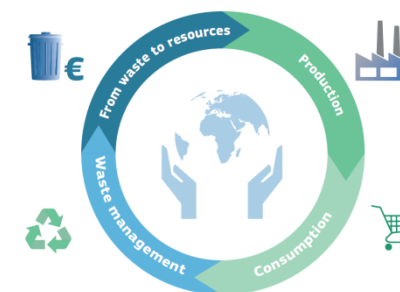
CAP & EIP-AGRI



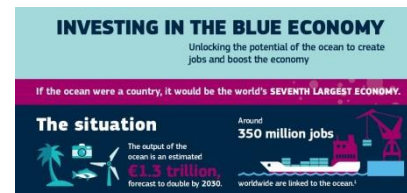
Bioeconomy strategy



Climate & energy



Circular economy



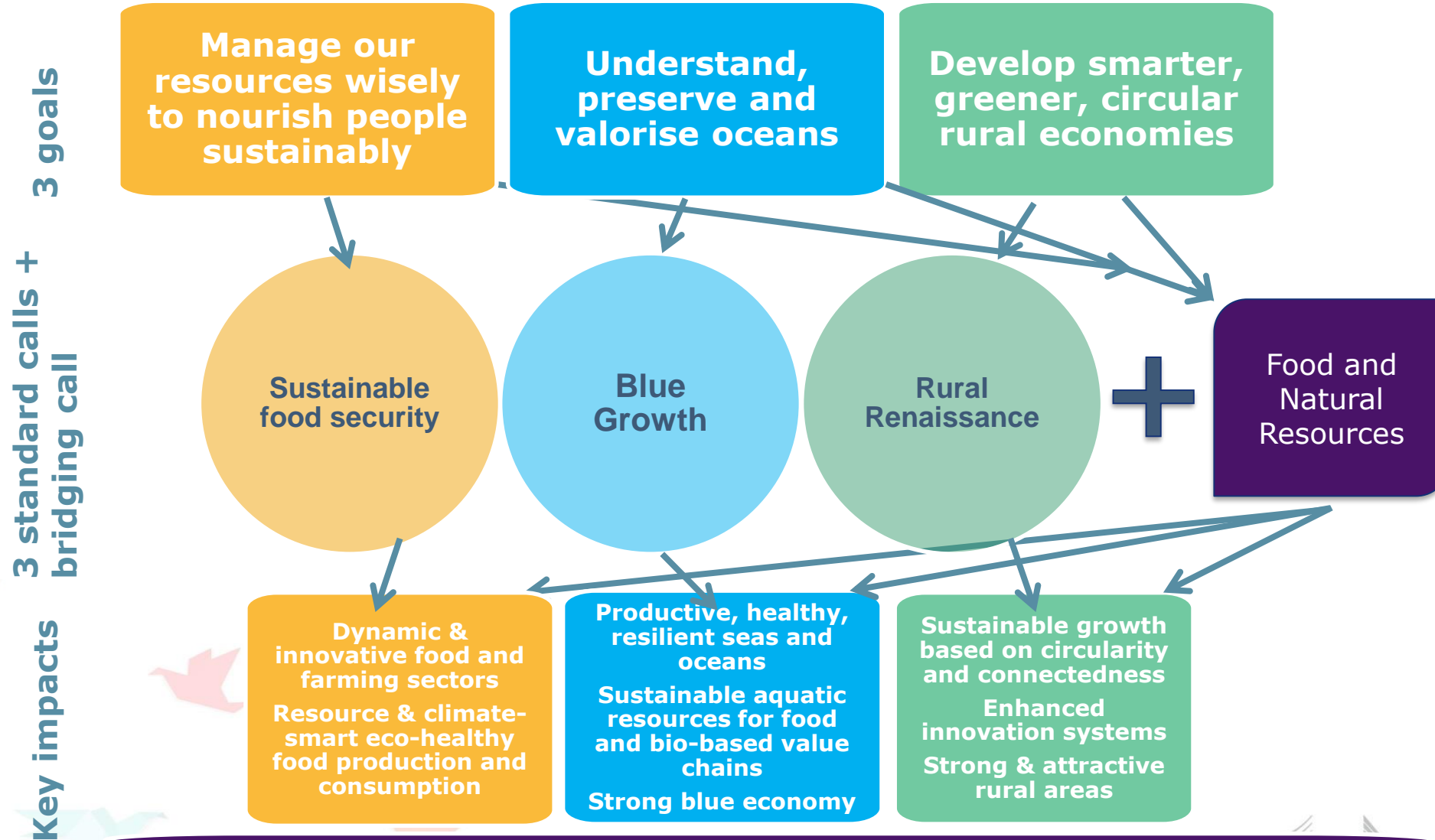
Integrated Maritime and common fisheries policies



Digital single market

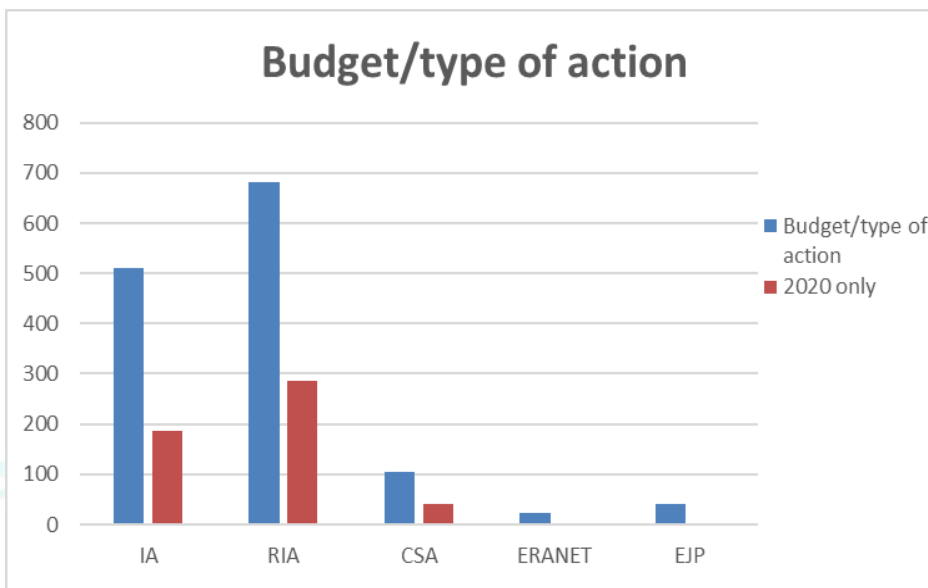
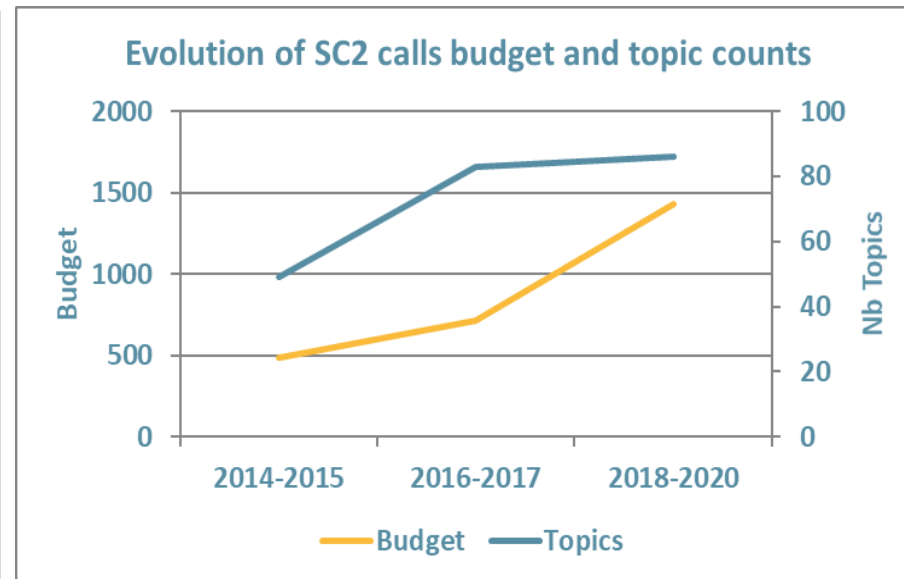
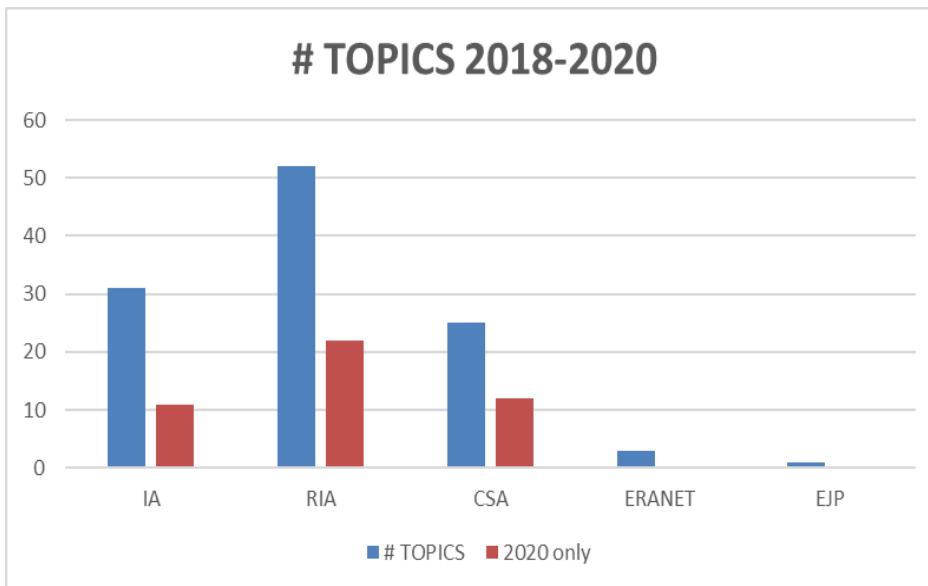
European Commission

WP at a glance



De-risking investments in innovative technologies fostering industrial, rural and coastal development

WP at a glance



Close to market actions with investment in new knowledge

**Same topics, more budget
→ more projects per topic**

**Coverage of BBI JU WP
(+119M€/8 topics for SC2)**

**Reinforced support to policy
(RIAs, IAs, CSAs, procurement)**



Funding for third countries

Applicants **automatically** eligible for funding:

- EU Member States and the Overseas Countries and Territories linked to Member States
- Countries associated to Horizon 2020
- Countries identified in WP General Annex A (developing countries)
- International European interest organisations

Details:

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2018-20-annexes (after WP adoption)

In addition, eligible for funding:

- ✓ When explicitly foreseen in the call
- ✓ when provided for under a bilateral scientific and technological agreement or any other arrangement
- ✓ when Commission deems participation essential for carrying out the action

WP at a glance

Open innovation, open science, open to the world

- **Open innovation**

- **€500 mio for multi-actor projects** (interactive innovation linked to EIP-AGRI)



- **Open science**

- Research data sharing **by default**
- **Open science clouds**: Food cloud demonstrators (10M€) & Blue cloud services (6M€)



- **Open to the world**


- **89M€** on **EU-AFRICA** partnership on Food and Nutrition Security and Sustainable Agriculture (11 projects): food systems, sustainable intensification and income diversification
- **23M€** on **EU-CHINA** (5 projects): food safety, soil management and bio-based fertilisers
- **64M€** on "**All Atlantic Ocean Research Alliance**" (8 projects): coordination, marine ecosystems and new value chains




- **PRIMA**

Societal challenge 2 calls

Food and Natural Resources

- 
- Testing out new approaches – e.g., Food 2030, Living labs

- 
- Preparation of future Partnerships and Missions - e.g., agro-ecology/soil

- 
- Even stronger focus on impact – sharper impact statements

- 
- Support to policy - EU Bioeconomy Strategy, new CAP...



18 topics – 208 M€
Agri, food, marine,
bio-based covered

Type of actions :
RIA, IA, CSA

Societal challenge 2 calls

Sustainable food security topics (2020)

From functional ecosystems to healthy food

- Biodiversity in action
- Livestock microbiome
- Integrated health approaches & alternatives to contentious pesticides
- New and emerging risks to plant health
- IPM
- Epidemiology of contagious animal diseases
- Genome and epigenome enabled breeding in terrestrial livestock

7 topics – 95 M€

Environment/ Climate-smart Food production and consumption

- Emerging challenges for soil management
- Forest soils

2 topics – 24 M€

Building capacities

- GenRes & pre-breeding
- Agri-Aqua labs

2 topics – 19 M€

Targeted international cooperation

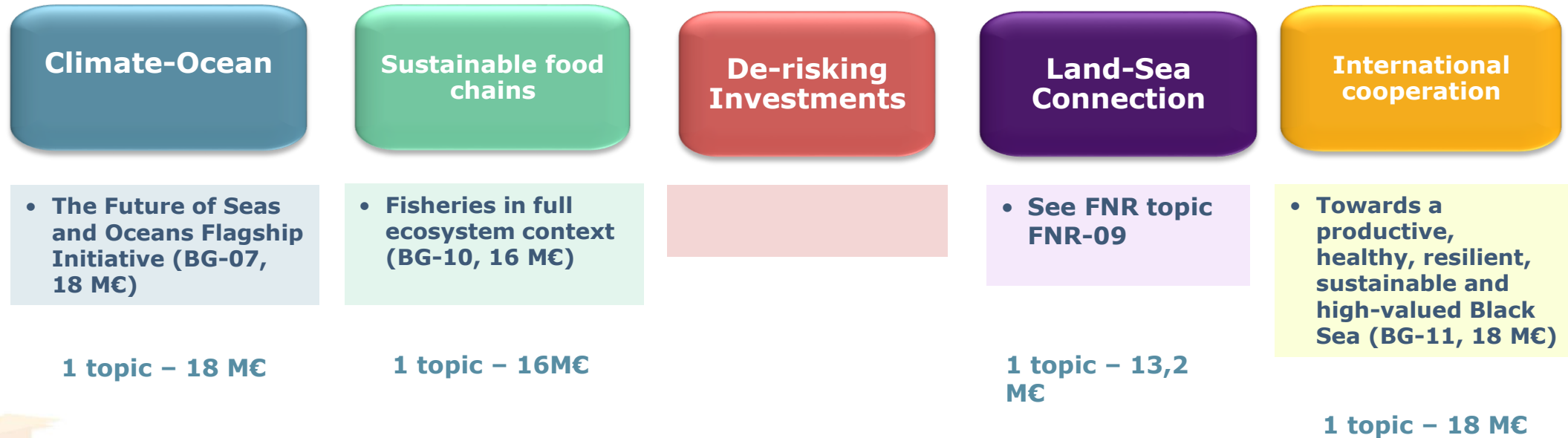
- **EU-Africa**
 - ✓ Sustainable intensification
 - ✓ Diversifying revenue in rural Africa through bio-based solutions
- **EU-China**
 - ✓ Healthy soils for healthy food production

3 topics – 35 M€

Type of actions :
RIA, IA, CSA

Societal challenge 2 calls

Blue Growth topics (2020):



Type of actions :
RIA, IA (lump-sum)

+ 2 Food and Natural Resources (FNR) topics (2020)

Societal challenge 2 calls

Rural renaissance topics (2020)

Dynamics & policies

- Agricultural markets and international trade

1 topic – 4 M€

Food & non-food Value chains

- Connecting consumers and producers
- Innovative agri-food value chains: boosting sustainability-oriented competitiveness
- Reducing food losses and waste
- Closing nutrient cycles (2 scopes: IA + RIA)
- Sustainable wood value chains

5 topics – 74 M€

Taking advantage of the digital revolution

2018-2019

- + UNDER LEIT-ICT call
- DT-ICT-09-2020: Digital service platforms for rural economies 30 M€ (incl. 15M€ SC2)

1 ICT topic – 15 M€

Innovation and human capital

- Thematic networks compiling knowledge ready for practice

1 topic – 10 M€

Type of actions :
RIA, IA, CSA

Multi-actor approach (MAA)= demand driven innovation

- ❖ **Clear list of requirements, forming fully part of the topic requirements** labelled by "*Proposals should fall under the concept of the 'multi-actor approach'*" in the topic + footnote.
- ❖ **Requirements** for the 'multi-actor approach' are on **page 11-13** of the introduction of the Work Programme and are generic/similar for all MAA projects (footnote)
- ❖ **Systemic approach:** MAA is not a "cross-cutting issue" (as RRI, SSH, gender), it is not equal to multi/pluri-disciplinarity, nor to a strong dissemination requirement nor to a broad stakeholders' board.
- ❖ **Demonstrate selection criterion Excellence=> Clarity and pertinence of the objectives & soundness of the concept!** Clear requirements for MAA (6 bullets)
 - a) How the **project proposal's objectives and planning are targeting needs/problems and opportunities of end-users** (=demand-driven)



- b) The composition of the consortium and the description of the project must reflect a balanced choice of key actors with complementary types of knowledge: building blocks for innovation are expected to come from science as well as from practice and intermediaries**
- ❖ **"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.
 - ❖ **End-users (OF THE PROJECT RESULTS) and practitioners are to be involved**, not as a study-object, but in view of **using their entrepreneurial skills and tacit knowledge** for developing solutions and creating "**co-ownership**" of results,
 - ❖ This **speeds up the acceptance and dissemination of new ideas/solutions** thanks to cross-fertilisation of ideas and views and to including also **multipliers, facilitators and EIP Operational Groups** from countries and regions working on similar topics.
 - ❖ Webpage including the **list of 600 OG projects** (Excel file with data from a Feb 2018 study): <https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-operational-groups-assessment-2018>
 - ❖ Meanwhile there are more than 1000 OGs: connect directly with the National Rural Networks or national EIP networks who know the OGs in their region/country: the contacts of the NRNs you can find here: https://enrd.ec.europa.eu/networking/nrn-profiles_en

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

=> **'Actor'**: a partner taking part **in project activities**, contributing to project outcomes (co-decision, co-ownership)

=> **'Stakeholder'**: person expressing a **view/stake** at a certain moment(s) during the project: stakeholders' board, regional or national meetings

d) **Project's added value: demonstrate complementarity with existing research and best practice**

e) The project should result in **practical knowledge**, made easily understandable and accessible, which **must feed into the existing dissemination channels most consulted by end-users in countries**

f) **For EU wide communication, this practical knowledge should also be assembled into a substantial number of 'practice abstracts' in the common EIP format to share within the EIP network**



Thank you!

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#H2020SC2

www.ec.europa.eu/research/bioeconomy

www.ec.europa.eu/agriculture/research-innovation_en

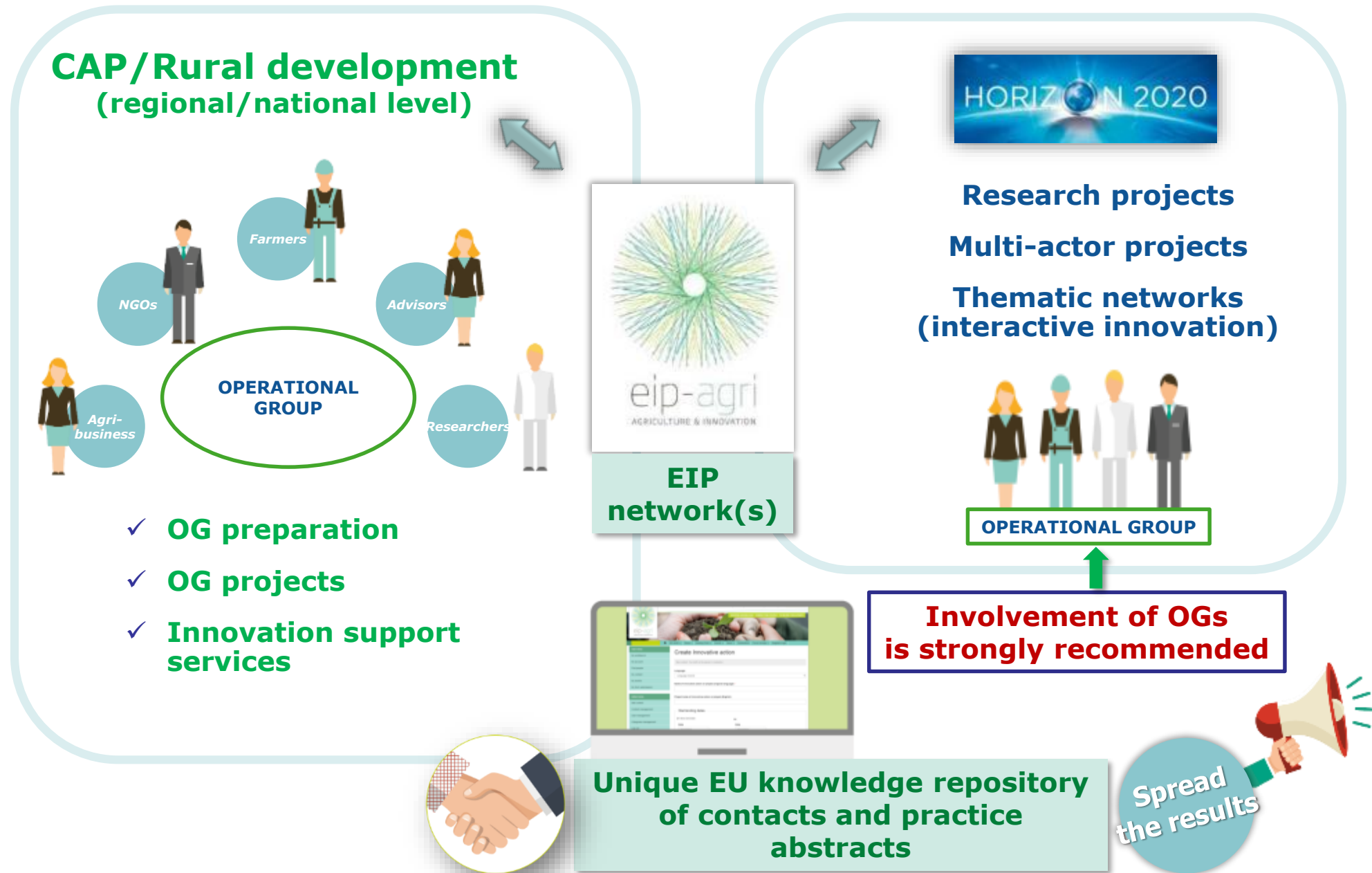
Participant Portal

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

Additional information EIP-AGRI / MAA



Connecting policies: the bigger EIP picture





**Synergies within H2020
Multi-Actor projects (MA),
including Thematic
Networks (TN) with OGs:
How can this go in
practice?**

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), how 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 a number of project activities**, as any other person invited to meetings. 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. Prepare a clear list with those OGs who you want to link with.

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, **very strong evidence is needed that the OGs will indeed undertake these linking 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.

How to build a successful Horizon 2020 multi-actor project?



Target **real-life needs, problems or opportunities**



Choose consortium partners with **complementary types of knowledge and skills** (for "cross-fertilisation")



including **farmers, foresters or other end-users** to benefit from their entrepreneurial skills



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How to build a successful Horizon 2020 multi-actor project?



Involve “multipliers” - people who can bring in practical knowledge and help disseminate the results in the long term



Set up a plan with a **clear role for each of the different partners**



Organise **knowledge exchange activities** between the partners



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How to build a successful Horizon 2020 multi-actor project?



Bridge the gap between research and practice **by facilitating discussions**



Involve interactive innovation groups such as **EIP-AGRI Operational Groups**



All partners must **co-create and co-decide throughout the project**

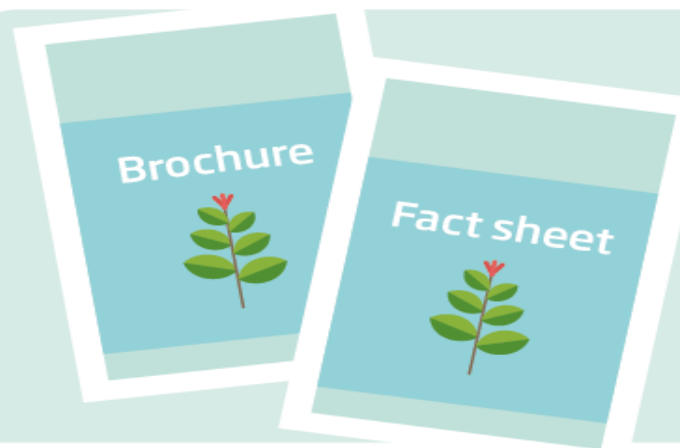


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How to build a successful Horizon 2020 multi-actor project?



Illustrate how the project **complements existing research and best practices**



Produce practical information which feeds into the most common **existing dissemination channels** ...



... and write easily understandable **practice abstracts in the common EIP format**

- **EIP brochure on multi-actor projects:**
 - https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_brochure_multi-actor_projects_2017_en_web.pdf
- **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
- **Videostreamed seminar on drafting practice abstracts:**
 - <http://www.ncp-biohorizon.net/events?cmd=showDetail&id=33>
- **‘Collaborate to innovate – OGs networking across the EU’**
 - <https://ec.europa.eu/eip/agriculture/en/publications/>
 - [eip-agri-brochure-operational-groups-collaborate](#)
- **Links to NRNs:** National Rural Networks (NRN) or national EIP networks can help in **partner search with OGs or OG partners**
 - https://enrd.ec.europa.eu/networking/nrn-profiles_en