



Horizon 2020 Work Programme for Research & Innovation 2018-2020

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• Highlights from the 2019 Work Programme

#InvestEUresearch

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Research and
Innovation



- **The policy context**
- **The strategic framework**
- **The WP 2019 at a glance - highlights**



The policy context

- Global commitments

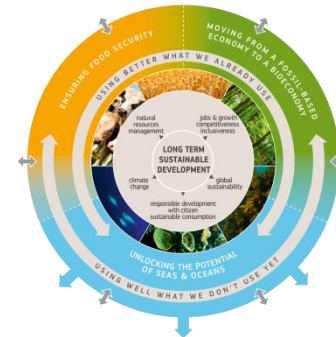


United Nations
Framework Convention on
Climate Change

- European policies



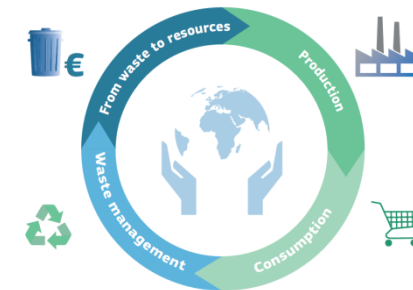
CAP & EIP-AGRI



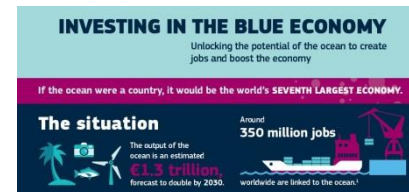
Bioeconomy strategy



Climate & energy



Circular economy



Integrated Maritime and common fisheries policies



Digital single market

European Commission

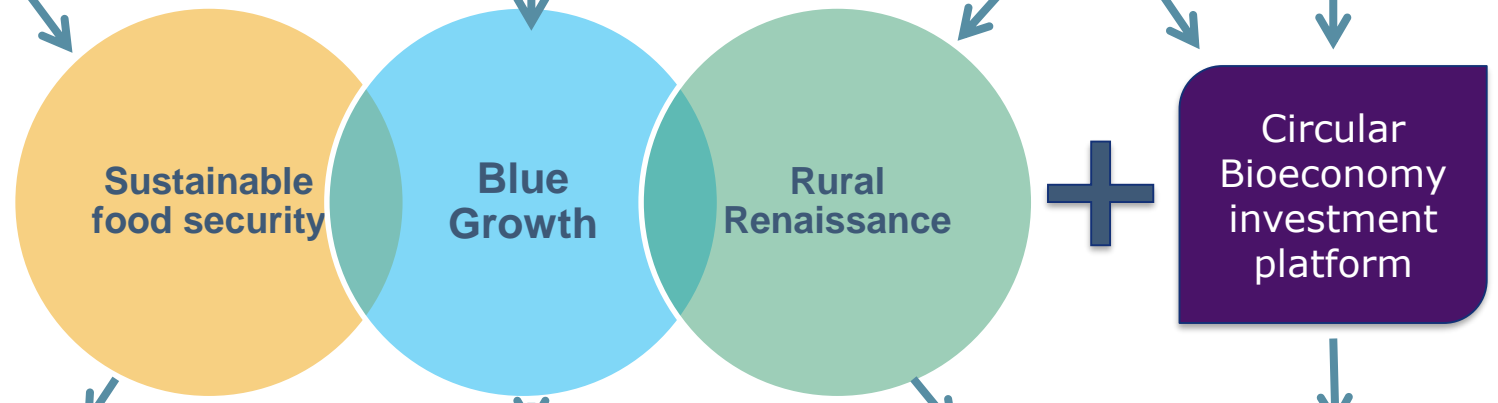
5 priorities



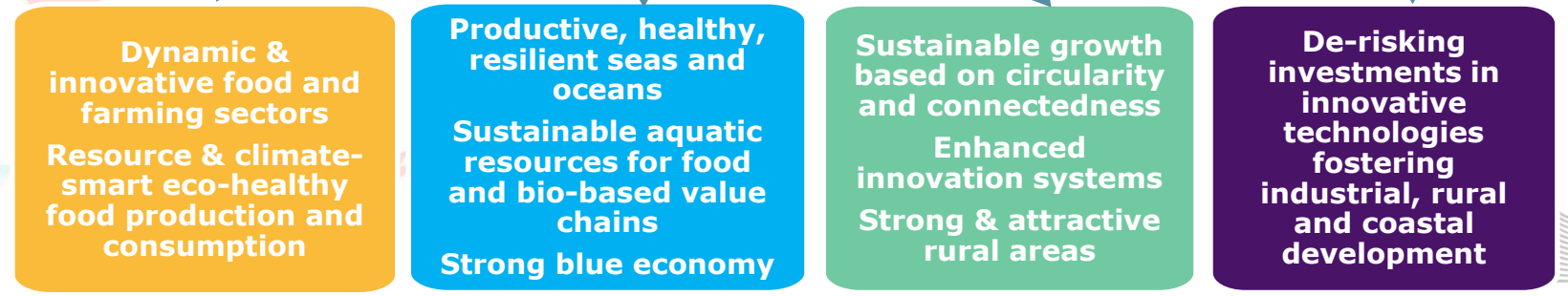
3 goals



3 calls + FI

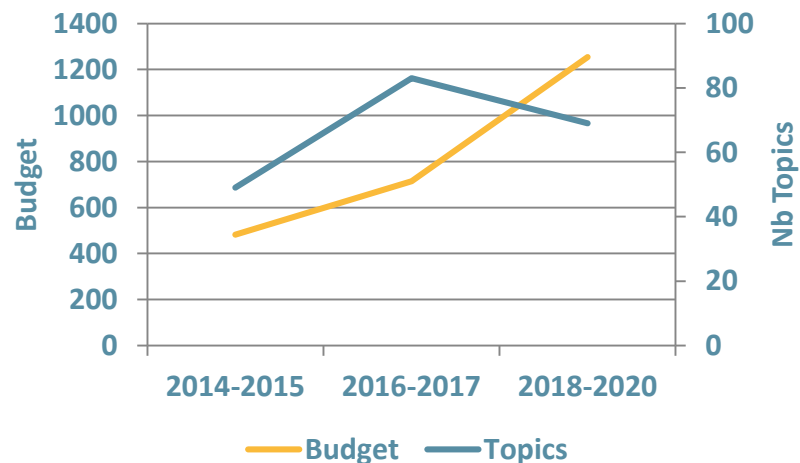


Key impacts



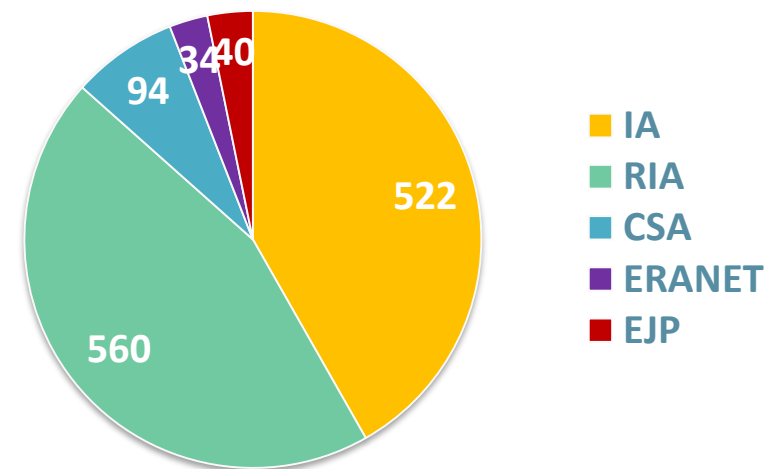
A more strategic and focused approach

Evolution of SC2 calls budget and topic counts



Less topics, more budget
→ more projects per topic

Budget by type of action (M€)



Close to market actions with investment in new knowledge

Open innovation, open science, open to the world

- **Open innovation**

- **€157 mio for European Innovation Council** (SME, FTI, FET, Prizes)
- **About €200 mio for multi-actor projects** (interactive innovation - EIP-AGRI)



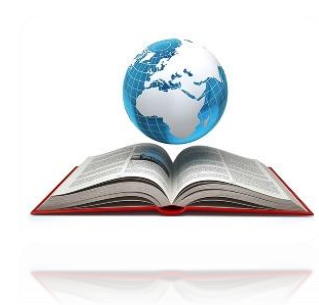
- **Open science**

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



- **Open to the world**

- **56M€ on EU-AFRICA** partnership on Food and Nutrition Security and Sustainable Agriculture: food systems, sustainable intensification
- **13M€ on EU-CHINA**: food safety and bio-based fertilisers
- **27M€ on "All Atlantic Ocean Research Alliance"**: marine ecosystems and new value chains

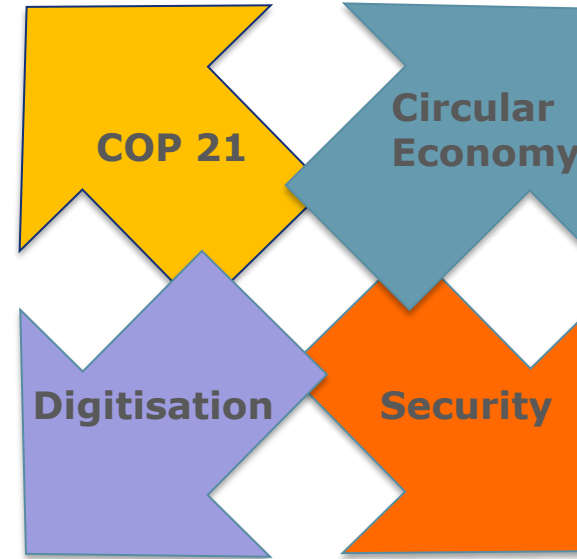


- **PRIMA – Partnership for R&I in the Mediterranean Area**

Focus Areas and other cross-cutting priorities

€ 7 billion for 4 mutually reinforcing focus areas

- aligned to political priorities
- expected to have exceptional impact
- implemented through 'virtual calls cutting across the programme (description in 'General Introduction', common call identifier of contributing calls and topics)



Further cross-cutting priorities

- **Migration (€ 200M)**
- **Batteries (€ 100M + € 100M to come)**
- **Blue Growth, Cities**

Focus Area 'Building a low-carbon, climate resilient future' (LC)



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Contributing to implement the **Paris Agreement**:

- **Accelerate transformation** towards carbon neutrality through **clean technologies**
- Enhance **climate resilience in Europe and beyond**
- Contribute to **long-term mitigation and adaptation policy planning**

€ 3.3 bn

SC2 Contribution: 203M€ (Plants, proteins, climate-smart farming, soils, food systems, marine resources, wood value chains)



Focus Area 'Connecting economic and environmental gains – the Circular Economy' (CE)



Supporting the **circular economy policy**:

- Ensure that **growth no longer requires increasing consumption of resources, energy, water and primary raw materials**
- **Reduce waste**, including from plastics
- Create **new business opportunities** and safeguard **competitive advantages**

€ 940 m

SC2 Contribution: 253M€ (Urban food systems, biowaste valorisation, bio-based plastics and fertilisers, bio-based models for rural communities)

Focus Area 'Digitising and transforming European industry and services' (DT)



Enhancing the benefits from the **Digital Single Market Strategy**:

Foster **uptake** of digital technologies and innovations & **synergies** with other key enabling technologies through

- **Cross-sectorial digital platforms and large scale pilots** for co-creation with users (e.g. personalised health, ICT solutions for agriculture, automated driving, inclusive public services)
- **Innovation hubs**

€ 1.7 bn

SC2 Contribution: 107M€ (Personalised nutrition, Blue and food clouds, Aquaculture 4.0, Digital innovation hubs)



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

International cooperation

Co-funding agreements with third countries



- Co-funding for all thematic areas (following country specific selection procedures)
Brazil, China, Hong Kong & Macao, Republic of Korea, Mexico, Russia, Taiwan
- Co-funding for selected thematic areas (following country specific selection procedures)
Australia, India, Japan
- Co-funding by a region (following specific selection procedure)
Canada (Quebec)
- Countries where no jointly agreed mechanism for co-funding Horizon 2020 projects is currently in place:
New Zealand, USA

Societal Challenge 2 – The 2019 Work Programme at a glance

- **29 topics (about 470m€) under three calls: Sustainable Food Security (SFS), Blue Growth (BG) and Rural Renaissance (RUR)**
 - 12 topics contributing to Focus Areas on
 - Circular Economy (CE),
 - Low Carbon, Climate Resilience (LC)
 - Digitisation (DT)
 - 17 topics requesting a multi-actor approach (MAA)
- **Topics using specific instruments**
 - European Joint programme on agricultural soil management (LC-SFS-20)
 - ERA-NETs (SFS-31) in the areas of ICT, Climate change and food systems, infectious animal diseases
 - Thematic networks (SFS-RUR-15)

Societal Challenge 2 – The 2019 Work Programme at a glance

- **Topics with a specific regional or international focus**

- BIOEAST Countries: Topic RUR-18 (Bioeconomy), <http://bioeast.eu/vision> →
- EU-Africa: Topics SFS-34 (Food Systems) and SFS-35 (Sustainable intensification)
- EU-China: Topics SFS-37 (Food safety) and CE-SFS-39 (Organic fertilisers)
- ERA-NET on International Veterinary Vaccinology
- All Atlantic Research Alliance: Topic BG-08
- Black Sea: Topic LC-BG-09



- **Contribution to other Work Programmes**

- ICT Work Programme (Main WP 5i.):
Topic DT-ICT-09-2019 on Agricultural digital integration platforms, total of 30m€

The multi-actor approach (MAA) in the 2019 Work Programme

The MAA aims at impact, therefore forms **part of the topic description**

- The project must focus on **end-users' problems/opportunities** and develop innovative solutions.
- Must bring together **relevant partners** with **complementary type of knowledge** in a **targeted combination as best suited to meet project objectives**
- Non-research actors such as farmers, advisors, researchers, suppliers, processors, agencies and/or others **co-operate and co-innovate** in project activities **from the beginning till the end.**
- Increase **impact**: end-users like farmers, foresters or businesses will be more **motivated to use the project results**, because they were incorporated in generating them and therefore feel "**co-ownership**"
- Produce **practical knowledge** easily **accessible**, understandable and applicable: dissemination at minimum through **Agri EIP** with **practice abstracts + existing dissemination channels** for end-users
- Detailed requirements in H2020 WP introduction p. 8-9

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-food_en.pdf



WP at a glance

CAP /Rural development (regional/national level)

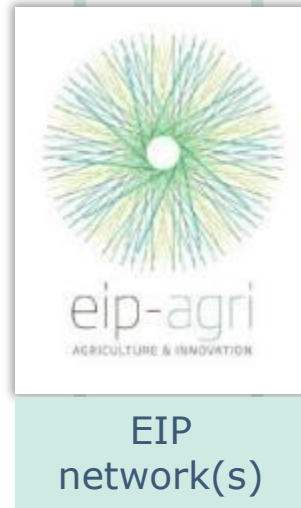


Funding for:

OG preparation

OG projects

Innovation support services



(European projects)

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



Involvement of OGs is strongly recommended



Unique EU knowledge repository of contacts and practice abstracts

Connect actors and Spread the results



European Commission

Thank you!

#InvestEUresearch

#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>

