



#InvestEUresearch

Horizon 2020 Work Programme for Research & Innovation 2018-2020

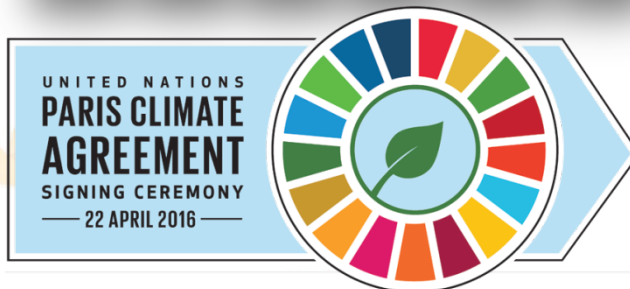
€1,3 billion
Food security, sustainable
agriculture and forestry, marine,
maritime and inland water
research and the bioeconomy

Horizon
2020

WP at a glance

The policy context

- Global commitments



United Nations
Framework Convention on
Climate Change

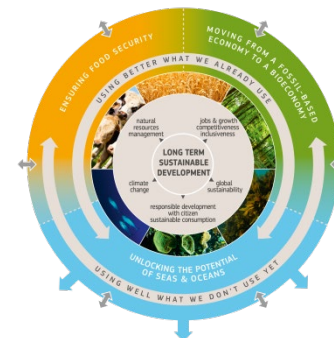
- European policies



CAP & EIP-AGRI



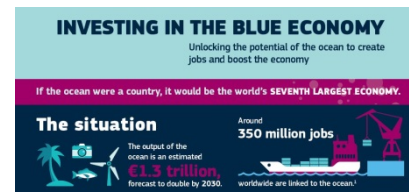
Climate & energy



Bioeconomy strategy



Circular economy



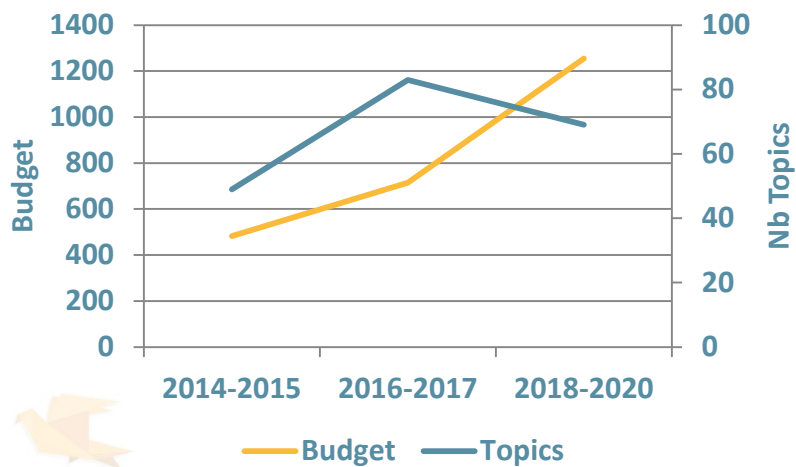
Integrated Maritime and common fisheries policies



Digital single market

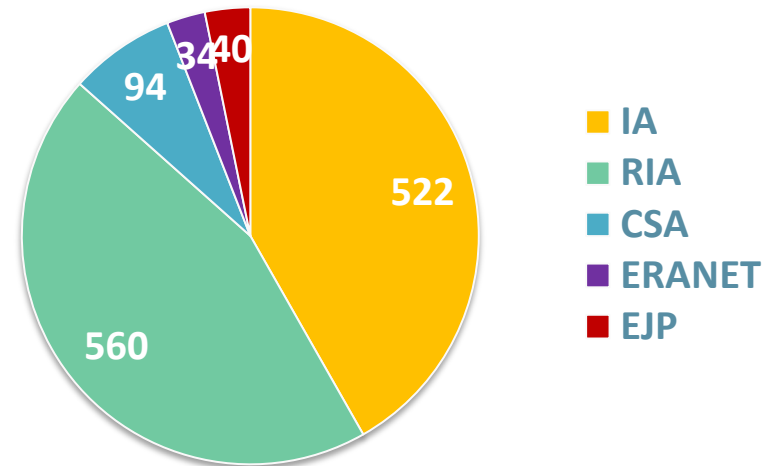
WP at a glance

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

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)



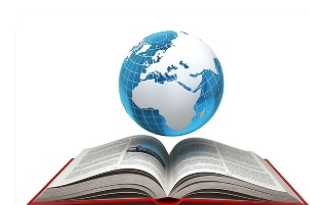
- **Open science**

- 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**



Cross-cutting elements

- **A strong commitment to Responsible Research and Innovation**
 - 31 topics under multi-actor approach (500M€ - over 80 grants)
 - 27 topics with strong public engagement requirement
 - 2 topics with a gender dimension
- **A wide space for Social Sciences and Humanities**
 - 55 topics flagged for SSH (75%)
- **Key contributions to global goals (Rio-markers)**
 - Climate
 - Sustainable development
 - Biodiversity

WP at a glance

CAP /Rural development (regional/national level)



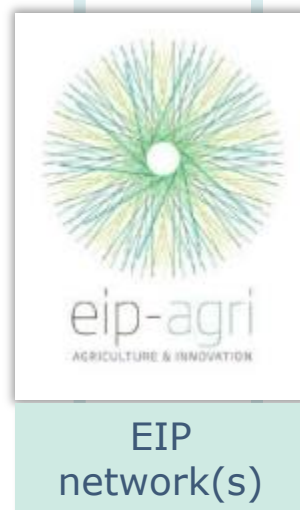
(European projects)

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



OPERATIONAL GROUP

Involvement of OGs is strongly recommended



Unique EU knowledge repository
of contacts and practice abstracts

Spread
the results



European
Commission

Societal challenge 2 calls

Sustainable Food Security:
**€ 753 million to use our resources more wisely
and nourish people more sustainably**



**Produce more diverse and healthier food
from well-managed functional ecosystems**



**Increase resource efficiency and
environmental performance of food systems**



**Understand the impact of climate change
and design adaptation strategies**



**Going global: 112 M€ for joint actions with
Africa and China**

Societal challenge 2 calls

Sustainable food security topics (2018-2019)

From functional ecosystems to healthy food

- **Biodiversity in action**
- Microbiome
- **Integrated health approaches**
- IPM
- Healthy beekeeping
- **Animal welfare**
- **Anti-microbials and animal production**
- **African Swine fever**
- Personalised nutrition
- Plant breeding
- Healthy sust. food
- **Alternative proteins**

13 topics – 235 M€

Environment/ Climate-smart Food production and consumption

- **Climate-smart farming**
- **EJP soils**
- **Integrated water management**
- **Citizen-driven food system approaches in cities**
- Valorising urban biowaste

5 topics – 107 M€

Building capacities

- **Food cloud**
- **Monitoring R&I investments**
- **GenRes & pre-breeding**
- **Plant-variety testing**
- **Agri-Aqua labs**
- **ERANETs**

6 topics – 91 M€

Targeted international cooperation

- Microbiome coordination and IBF
- EU-Africa
 - ✓ Support FNSSA implementation
 - ✓ **Food systems**
 - ✓ **Sustainable intensification**
- EU-China
 - ✓ **Food safety controls**
 - ✓ **Soils management**
 - ✓ **Fertilisers from biogas digestate**

7 topics – 82 M€

Type of actions :
RIA, IA, CSA, EJP, ERANET



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Societal challenge 2 calls

Blue Growth 2018-2019

€ 166,5 million to sustainably harvest the potential of aquatic and marine resources, while protecting biodiversity and enhancing climate resilience

Improve knowledge on impact of climate change on marine ecosystems and biological resources to effectively manage their response, mitigation and resilience capacities

Preserve and sustainably exploit marine and coastal ecosystems, and biological resources to deliver improved nutrition and health

De-risk investments and boost blue innovations to develop new bio-based marine value chains and open up new markets

Develop smart and connected territories between land and sea

Strengthen international cooperation, to promote a globally sustainable blue economy



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Societal challenge 2 calls

Blue Growth topics (2018-2019): examples

Climate-Ocean

- Blue Bioeconomy Eranet (BG-02, 8 M€)
- The Future of Seas and Oceans Flagship Initiative (BG-07, 18 M€)

2 topics – 26 M€

Sustainable food chains

- Sustainable harvesting of marine biological resources (BG-03, 12 M€)
- Sustainable European aquaculture 4.0: nutrition and breeding (BG-04, 24 M€)

2 topics – 36 M€

De-risking Investments

- Multi-use of the marine space, offshore and near-shore: pilot demonstrators (BG-05, 18 M€)

1 topic – 18 M€

Land-Sea Connection

- Sustainable solutions for bio-based plastics on land and sea (BG-06, 18 M€)

1 topic – 18 M€

International cooperation

- Towards a Baltic and North Sea research and innovation programme (BG-01, 2.5 M€)
- All Atlantic Ocean Research Alliance Flagship (BG-08, 64 M€)
- Coordination of marine and maritime research and innovation in the Black Sea (BG-09, 2 M€)

3 topics – 68,5 M€

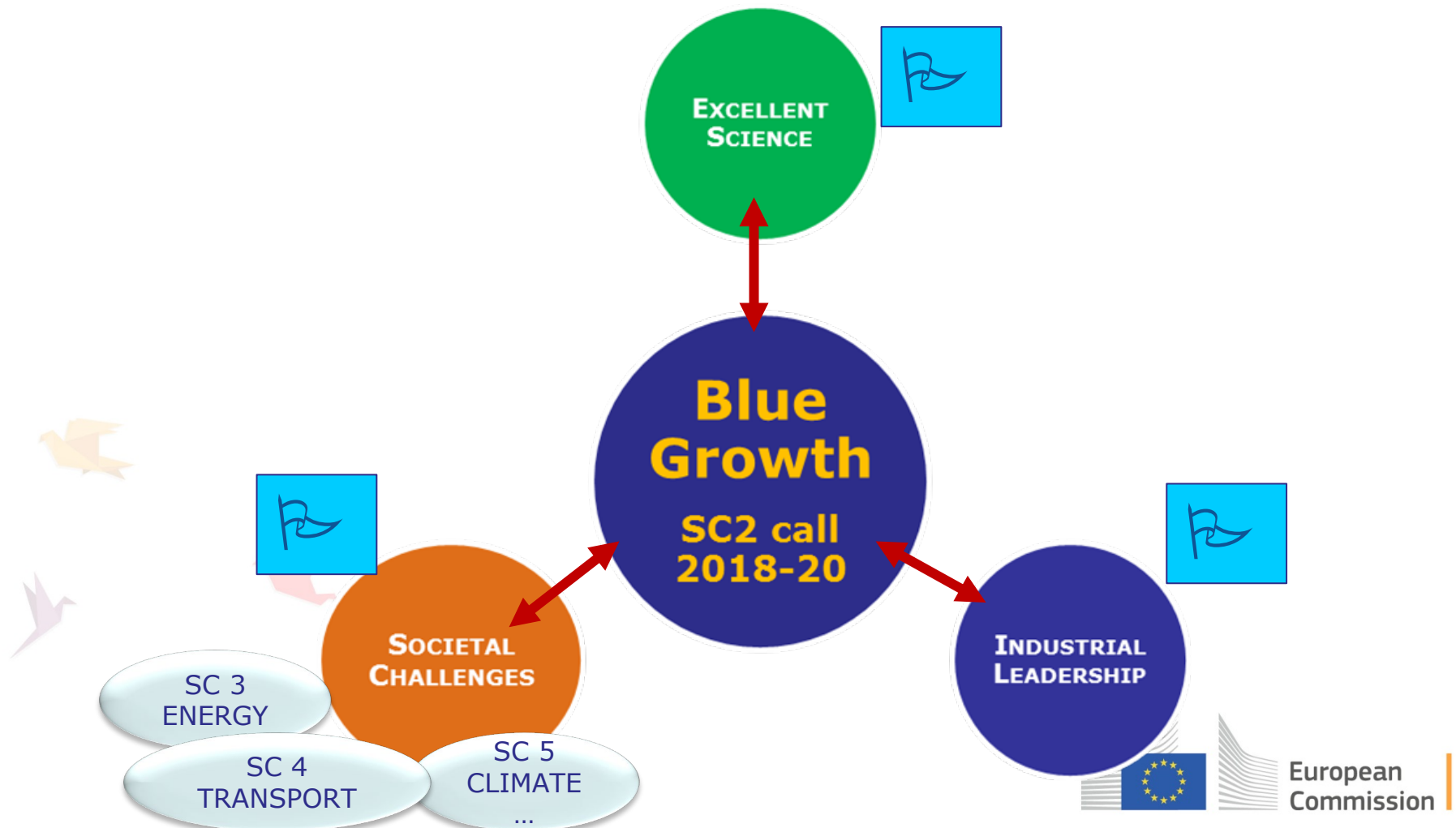
Type of actions :
RIA, IA, CSA, ERANET



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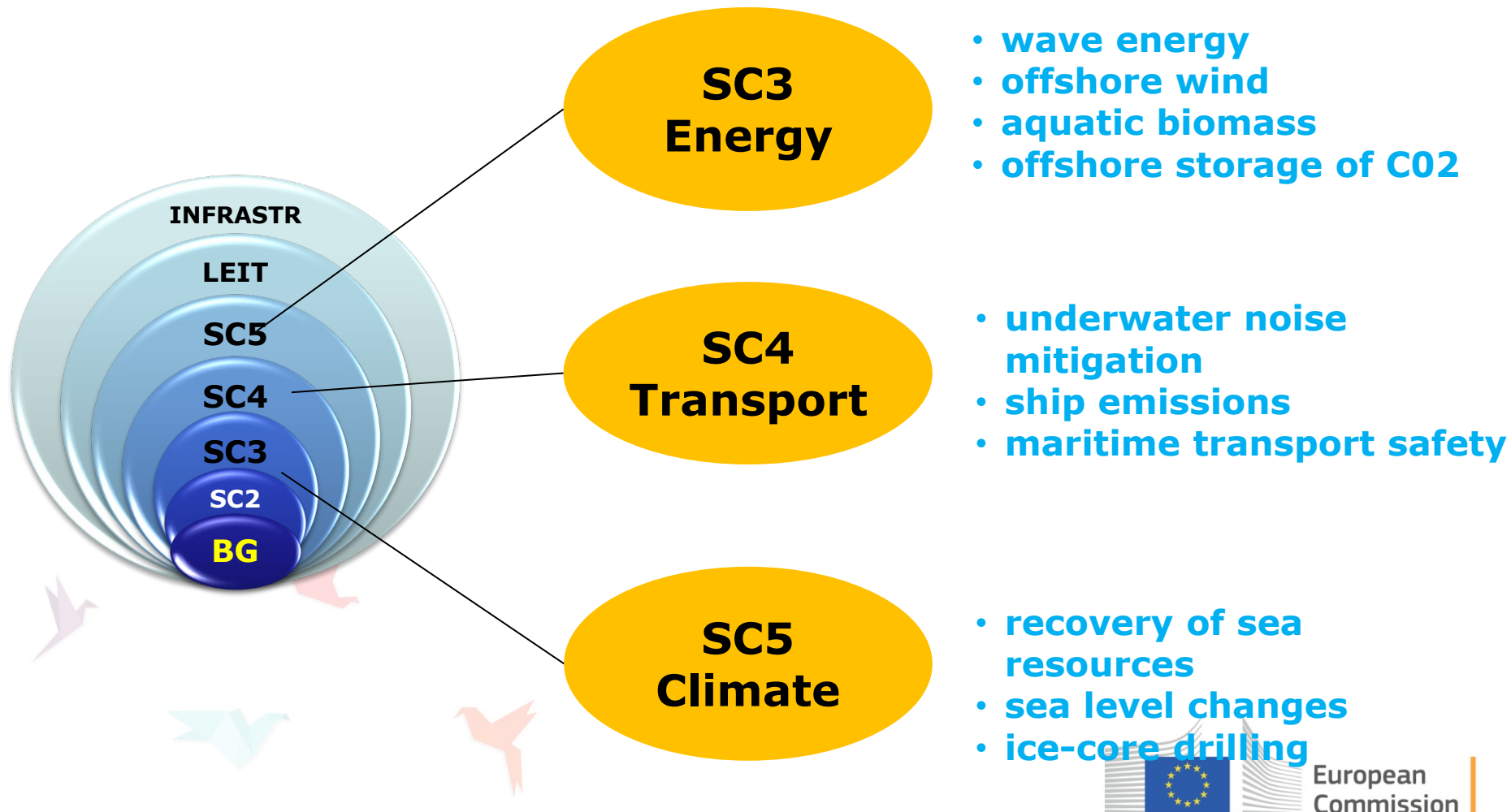
Societal challenge 2 calls

Blue Growth Flags across Horizon 2020 Work Programmes 2018-2020



Societal challenge 2 calls

Blue Growth Flags across Horizon 2020 Work Programmes 2018-2020



Societal challenge 2 calls

Rural renaissance: our territories
€ 263 million for rural territories to become smarter, younger, greener more circular and better connected



Invest in businesses:

125 M€ for developing small scale refineries, boosting regional bioeconomy and innovative supply chains



Invest in people:

41 M€ to boost innovation, co-creation and exploitation of knowledge by improving skills and innovation systems



Invest in policies fit for the future:

60 M€ to modernize policies to favour generation renewal and greater resilience and public goods delivery



Go digital:

37 M€ to take make the promises of the digital revolution come true for farmers and rural people



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Societal challenge 2 calls

Rural renaissance topics (2018-2019)

Dynamics & policies

- **Modern policies from long-term visions & societal engagement:**
 - ✓ Science-policy-society hub
 - ✓ Generation renewal
 - ✓ **Mountain value chains and climate change**
- **Socio-economic impacts of digitisation**
- **Contracts for effective agro-environment delivery inc:**
 - Land tenure
 - Result-based policies
 - Collective delivery
- **Analytical tools and models**
 - ✓ New models for policy
 - ✓ **Modelling trade**

4 topics – 60 M€

Food & non-food Value chains

- **Closing nutrient cycles:**
 - ✓ Properties and impacts of biofertilisers
 - ✓ **Bio-based fertilisers from manure**
 - ✓ Bio-based fertilisers from other by products
- **Regional and local bio-based economies**
- **Circular bio-based business models for rural communities**
- **BIOEAST Support Action**
- **Sustainable wood value chains**
 - ✓ **Building with wood**
 - ✓ Resilient forest systems

4 topics – 57 M€

Taking advantage of the digital revolution

- Digital innovation hubs for agriculture
- Preparing advisors for the digital age
- Digital solutions and e-tools to modernise the CAP

3 topics – 37 M€

+ UNDER LEIT-ICT call

- Agricultural cross-cutting integration platforms

1 ICT topics – 15 M€

**RUR+ICT:
4 topics – 52 M€**

**Type of actions :
RIA, IA, CSA**

Innovation and human capital

- **Thematic networks compiling knowledge ready for practice**
- **Fuelling the potential of advisors for innovation**

2 topics – 27 M€



Tips & Resources

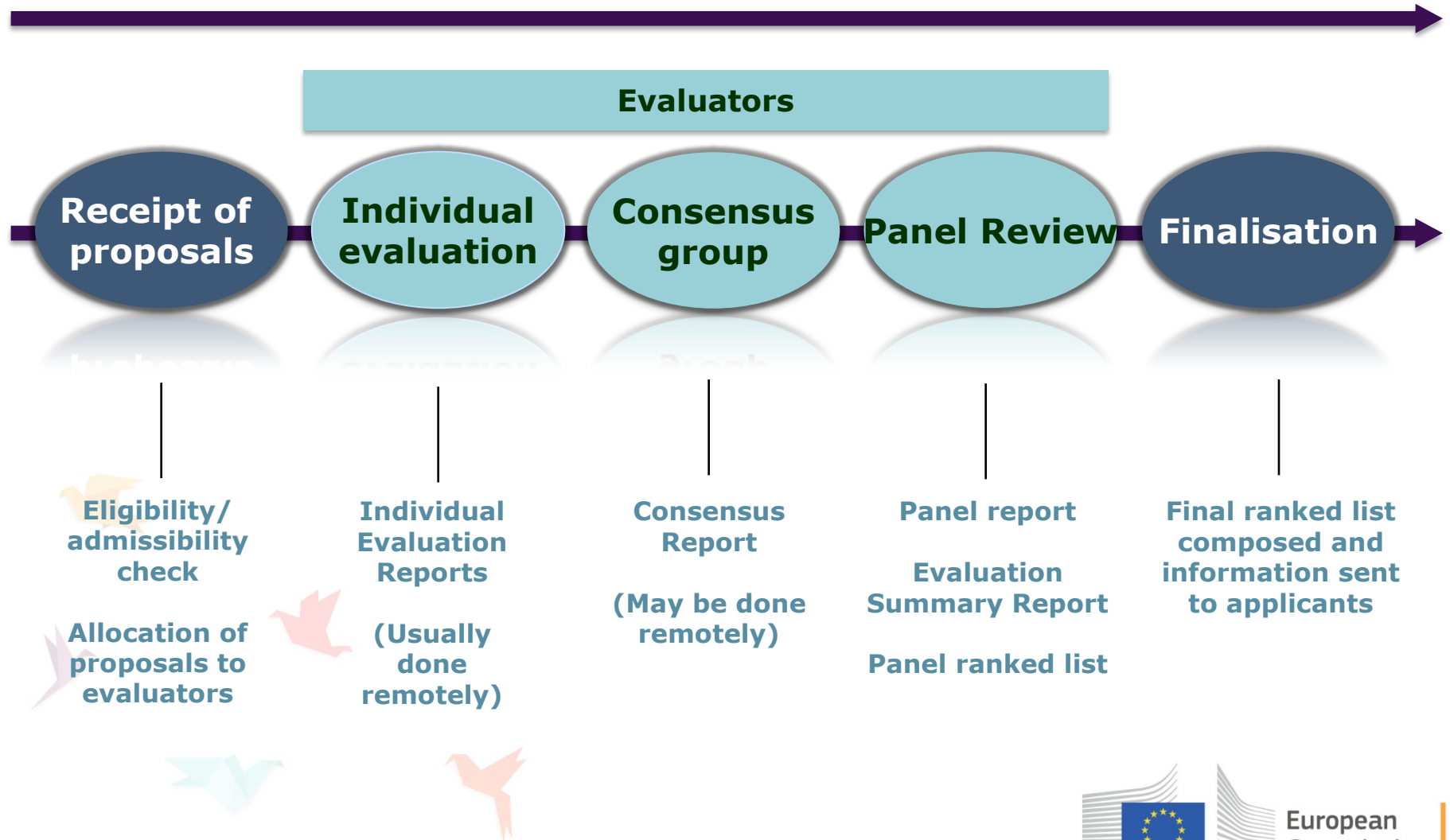
Call deadlines

Opening	Submission procedure	Stage	Deadline	Info to appli-cants	Grant Agree-ments
16 Oct. 2018	single stage	Single stage	23 Jan. 2019	June 2019	Oct. 2019
	2-stages	1 st stage	23 Jan. 2018	May 2019	-
		2 nd stage	04 Sept. 2019	Nov. 2019	May 2020

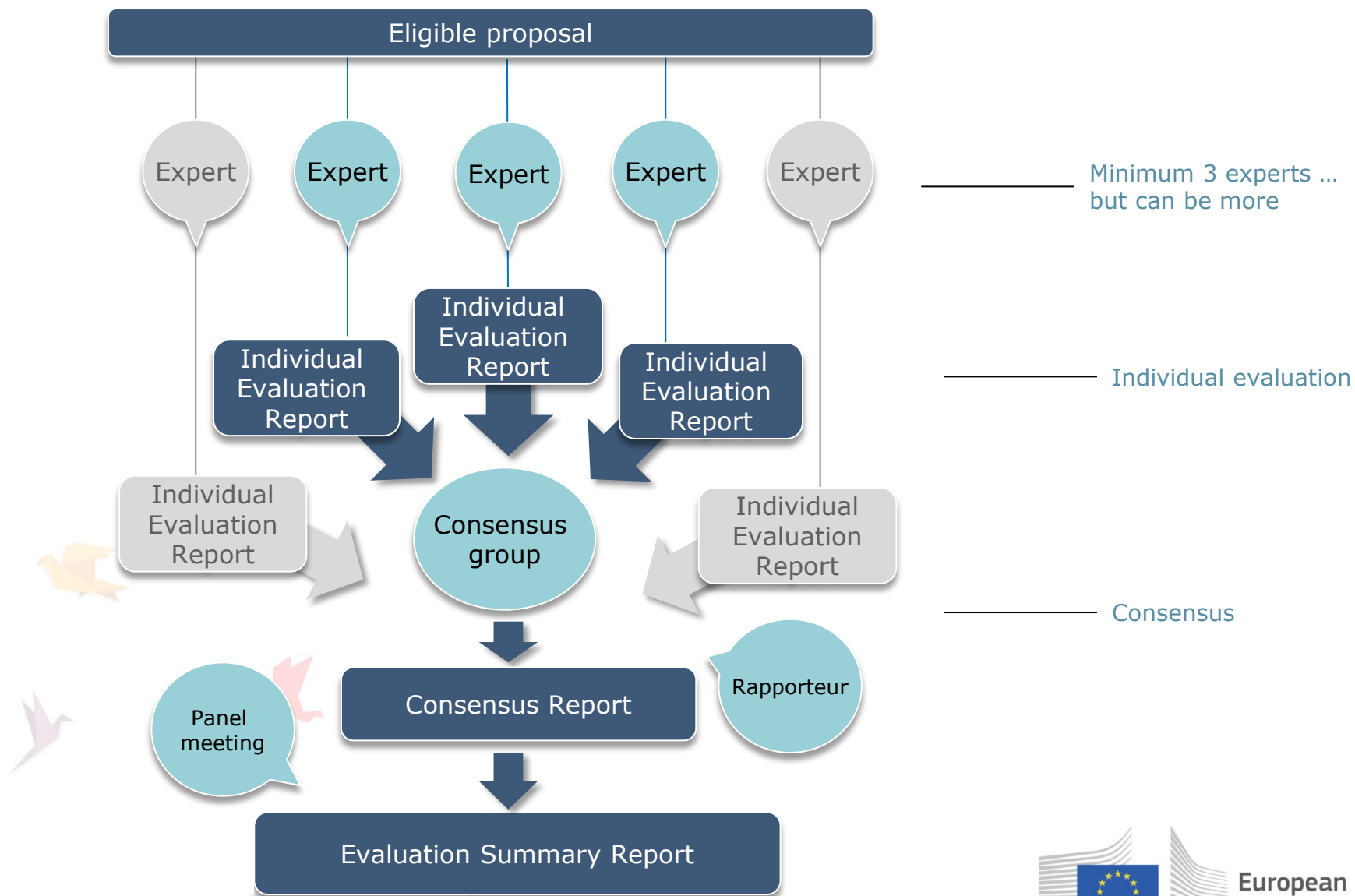
Tips & Resources

Evaluation process for each call

Max. 5 months



Tips & Resources



Tips & Resources

Evaluation of proposals



✓ **Innovation actions** >> higher weighting for "IMPACT"



Tips & Resources

Scores

0

The proposal **fails** to address the criterion or cannot be assessed due to missing or incomplete information.

1

Poor. The criterion is inadequately addressed, or there are serious inherent weaknesses.

2

Fair. The proposal broadly addresses the criterion, but there are significant weaknesses.

3

Good. The proposal addresses the criterion well, but a number of shortcomings are present.

4

Very Good. The proposal addresses the criterion very well, but a small number of shortcomings are present.

5

Excellent. The proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

Tips & Resources

Some tips on how to succeed



Start in time & choose your partners well

Avoid “recycling” of former projects or project partners which do not have a specific contribution to the topic

Check for eligibility & read the evaluation criteria – imagine what the evaluator will think

Excellent science is not enough: consider all the criteria & sub-criteria

Impact matters as much as excellence! → Check the expected impacts and scope of the topic in detail

Write clearly & respect the page limits - ask someone impartial to proof-read your proposal

Be coherent! Make sure that the chosen objectives are coherent with the foreseen project activities, the competence of the partners and the planned budget per activity. Make sure the cost/benefit ratio is sound. Keep in mind that all costs should be reasonable in the light of the foreseen outcomes.

Tips & Resources

Resources, guidance and tools

- **Useful pages and documents**

- Horizon 2020 [online manual](#)
- [Reference documents](#) : work programmes, legal and guidance documents
- [Frequently asked questions](#) (FAQ) on participant portal
- [IT Helpdesk](#) for questions about the Participant Portal tools and processes.

- **You have a specific question?**

- Contact your [National Contact Point](#) or the Horizon 2020 [helpdesk](#) for guidance, practical information and assistance on all aspects of participation in Horizon 2020.



Queremos ayudarte

Contactos en España

Representante en el Comité de Programa

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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>