

H2020 Framework Programme for Research & Innovation

BUDGET

Excellent
Science

Industrial
Technologies

Societal
Challenges

HORIZONTE 2020		74.828
I. Prioridad «Ciencia excelente»		24.232
1. El Consejo Europeo de Investigación (CEI)		13.095
2. Las Tecnologías Futuras y Emergentes (FET)		2.585
3. Las acciones Marie Skłodowska-Curie		6.162
4. Las infraestructuras de investigación		2.390
II. Prioridad «Liderazgo industrial»		16.466
1. Liderazgo en tecnologías industriales y de capacitación:		13.035
1.1 Tecnologías de la información y la comunicación (TIC)		7.423
1.2 Nanotecnologías, 1.3 Materiales avanzados y 1.5 Fabricación y transformación avanzadas		3.741
1.4 Biotecnología		501
1.6 Espacio		1.403
2. Acceso a la financiación de riesgo		2.842
3. Innovación en las PYME		589
III. Prioridad «Retos de la sociedad»		28.630
1. Salud, cambio demográfico y bienestar		7.257
2. Seguridad alimentaria, agricultura y silvicultura sostenibles, investigación marina, marítima y de aguas interiores y Bioeconomía		3.708
3. Energía segura, limpia y eficiente		5.688
4. Transporte inteligente, ecológico e integrado		6.149
5. Acción por el clima, medio ambiente, eficiencia de los recursos y materias primas		2.956
6. Europa en un mundo cambiante – Sociedades inclusivas, innovadoras y reflexivas		1.258
7. Sociedades seguras – Proteger la libertad y la seguridad de Europa y de sus ciudadanos		1.613
IV. Difundir la excelencia y ampliar la participación		816
Ciencia con y para la sociedad		445
V. Acciones directas no nucleares del Centro Común de Investigación (JRC)		1.856
VII. Instituto Europeo de Innovación y Tecnología (EIT)		2.383



#InvestEUresearch

Horizon 2020 Work Programme for Research & Innovation 2018-2020

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

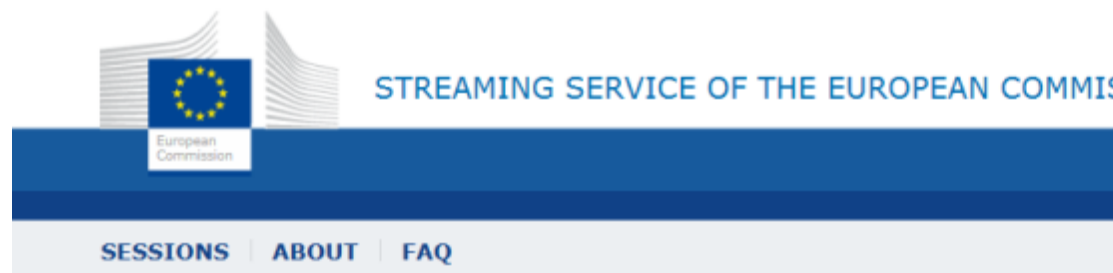
Highlights of the 2020 calls

European Commission- DG RTD

Horizon
2020

Horizon 2020 Info Day on Societal Challenge 2 calls for proposals of 2020, 4 July 2019

<https://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-info-day-societal-challenge-2-calls-proposals-2020>



INFO DAY HORIZON 2020 SOCIETAL CHALLENGE 2 CALLS FOR PROPOSALS

2019-07-04 | 09:00 to 16:30 | Recorded



Current
Plenary

Horizon 2020 Info Day on Societal Challenge 2 calls for proposals of 2020

Venue:

Brussels, Charlemagne building, Rue de la Loi 170, 1040, Bruxelles

Thursday, 4 July, 2019

Come and learn about the Societal Challenge 2 calls for 2020 and get some practical information on how to successfully apply to the open calls for proposals.

Event summary and presentations

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This event was opened by Maciej Gorka, Head of Department of the Research Executive Agency.

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- Blue Planet
- Food systems, bio-based innovation and the bioeconomy

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Webstreaming

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Session 2	Soil management and crop production	Ocean observation	Bio-based Innovation

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



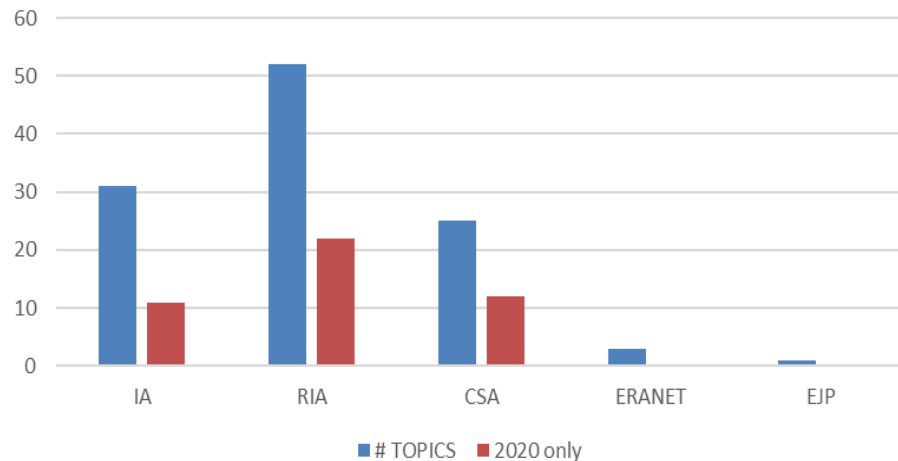
**Integrated Maritime
and common fisheries
policies**



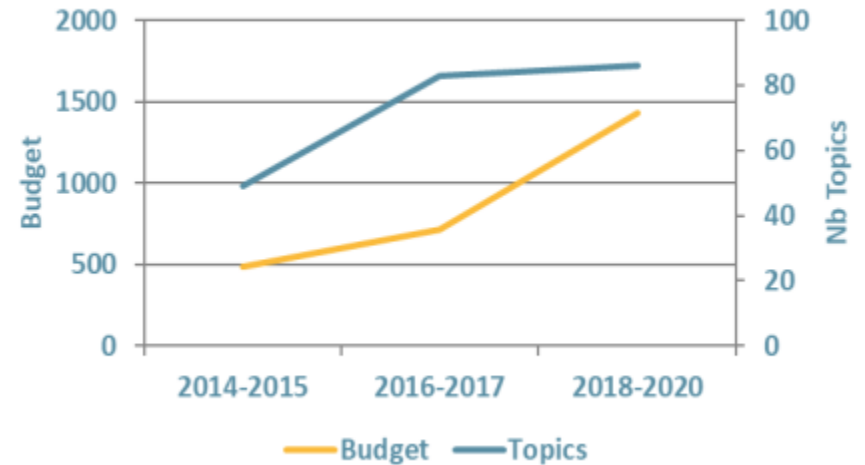
**Digital single
market**

WP at a glance

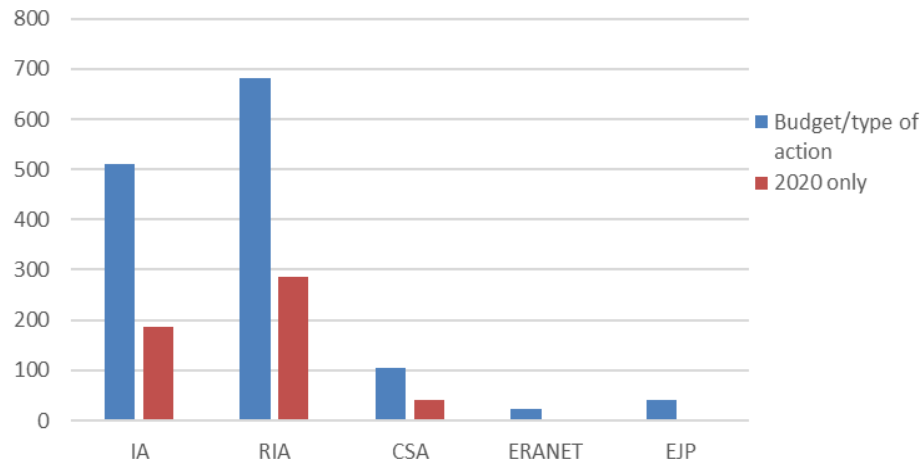
TOPICS 2018-2020



Evolution of SC2 calls budget and topic counts



Budget/type of action



Close to market actions with investment in new knowledge

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

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

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**

- **119M€** on **EU-AFRICA** partnership on Food and Nutrition Security and Sustainable Agriculture (11 projects): food systems, sustainable intensification and income diversification
- **28M€** 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**



International cooperation

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**

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**

Details:

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

Societal Challenge 2 – 4 Calls in 2020

522 million € grant

Adoption of WP2020 end of June 2019 & Prepublication 3rd July

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

Opening: 15 October 2019

Deadlines: 1st stage: 22 January 2020; 2nd Stage: 8 September 2020



**Call
Sustainable
Food Security
173M€**



**Call
Rural
Reinassance
88M€**



**Call
Blue Growth
52M€**



**Call
Food & Natural
Resources
208,7M€**



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 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

- Genetic resources & pre-breeding communities
- 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

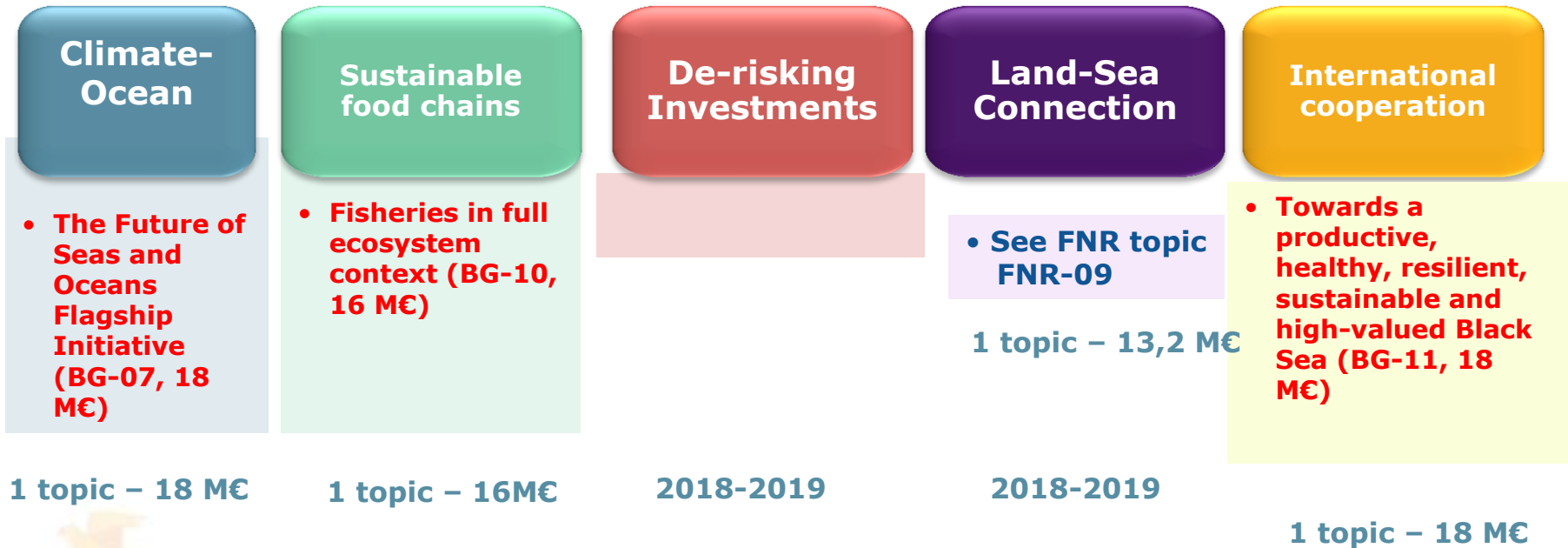
3 topics – 35 M€

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



Societal challenge 2 calls

Food and Natural Resources

- 
- Testing out new approaches – e.g., Food 2030, Living labs
 - Preparation of future initiatives 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

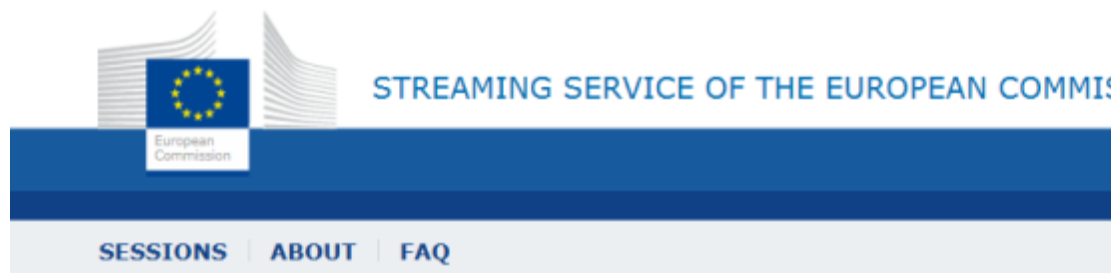
Type of actions :
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Call deadlines

Opening	Submission procedure	Stage	Deadline	Info to applicants	Grant Agreements
15 Oct. 2019	single stage	Single stage	22 Jan. 2020	June 2020	Oct. 2020
	2-stages	1 st stage	22 Jan. 2020	May 2020	-
		2 nd stage	08 Sept. 2020	Nov. 2020	May 2021

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SFS-13-2020: Genome and epigenome enabled breeding in terrestrial livestock (RIA)

- **Cross cutting aspects**

- ✓ **MAA** (breeders, biodiversity conservation and other relevant professionals from animal production, the food chain and decision-makers, as appropriate).

- **Policy**

- ✓ **GM/New Techniques in Agricultural Biotechnology :**

Directive 2001/18/EC of the European Parliament and of the Council of 12 March 2001 on the deliberate release into the environment of genetically modified organisms

EUCJ ruling: <https://curia.europa.eu/jcms/upload/docs/application/pdf/2018-07/cp180111en.pdf>

Scientific Advice Mechanism (SAM):

https://ec.europa.eu/research/sam/pdf/topics/explanatory_note_new_techniques_agricultural_biotechnology.pdf

SAM statement:

https://ec.europa.eu/info/sites/info/files/2018_11_gcsa_statement_gene_editing_2.pdf

Some useful resources



GenRes Bridge

<http://www.genresbridge.eu>

European Regional Focal Point for Animal Genetic Resources



www.animalgeneticresources.net



<https://www.smarterproject.eu/>



faang-europe.org/



<https://www.faang.org/>

BovReg:

<https://cordis.europa.eu/project/rcn/223200/factsheet/en>

Gene-Switch

<https://cordis.europa.eu/project/rcn/223221/factsheet/en>

FABRE ETP

<http://www.fabretp.eu>



www.gpluse.eu/

Feed-a-Gene



www.feed-a-gene.eu/

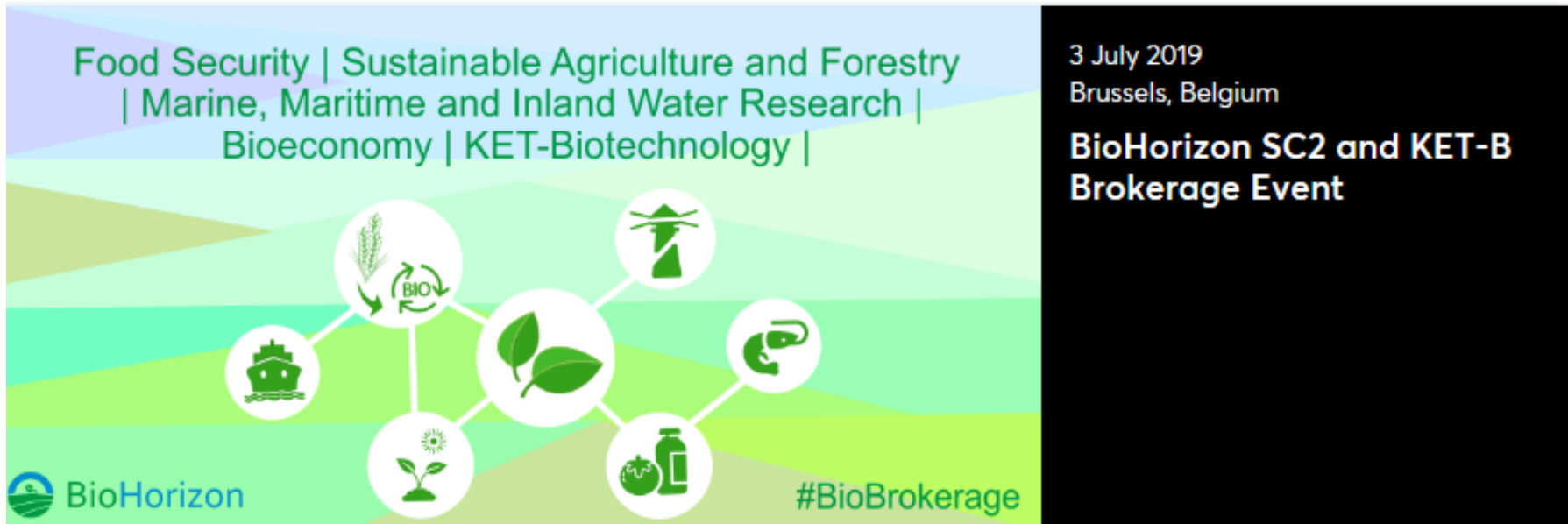


European
Commission



European
Commission

BioHorizon SC2 and KET-B Brokerage Event, 3 July 2019



The banner features a central graphic with a green leaf icon in a circle, connected by lines to six other circular icons: a wheat stalk, a factory, a sun with a plant, a microscope, a person, and a gear. The background is a stylized landscape with green hills and a blue sky. Text is overlaid on the banner in white and green.

Food Security | Sustainable Agriculture and Forestry
| Marine, Maritime and Inland Water Research |
Bioeconomy | KET-Biotechnology |

3 July 2019
Brussels, Belgium

**BioHorizon SC2 and KET-B
Brokerage Event**

BioHorizon #BioBrokerage

<https://foodbrokerage2019.b2match.io/home>

<https://foodbrokerage2019.b2match.io/page-2131>

Flash Presentations

sessions were webstreamed and recorded. The slides of all flash presentations, even those not chosen due to a lack of available places, are now available to download below. The list of speakers chosen from the very large number of submissions received is:

Session 1: Sustainable Food Security

Session host: David Butler Manning, Projektträger Jülich (DE) and BioHorizon

Webstream of the session on Sustainable Food Security

1. Claire Garros, CIRAD (FR): *Vector-borne diseases in Africa*
2. Jiří Sedlák, Výzkumný a šlechtitelský ústav ovocnářský Holovousy s.r.o. (CZ): *Diversity of fruit genetic resources*
3. Nicolas Munier-Jolain, INRA (FR): *Toward a EU-wide integrated pest management farm demo network*
4. Jan Piecko, Skierniewice Research Institute of Horticulture (PL): *Centre of horticulture sciences in the middle of Eastern Europe*
5. Grzegorz Siebielec, Institute of Soil Science and Plant Cultivation (PL): *Soil, closing nutrient cycles, urban agriculture - linking with partners in SFS, RUR, FNR*
6. Nikos Kalatzis, Neupublic S.A. (GR): *Solutions for smart farming and digital agriculture*
7. Claus Böttcher Jørgensen, University of Copenhagen (DK): *Integration of genome editing in pig breeding*
8. Jana Mikiskova, Agrovyzkum Rapotin s.r.o. (CZ): *Biodiversity, soil, closing nutrient cycles - partnering in SC2*
9. Hélène Lacroix, CONDORCET (FR): *Dynamics of forest soil carbon over Europe scale gradients*
10. Ferran Martí Ferrer, AIMPLAS (ES): *Impact of microplastics in soil and removal plastic in marine litter*
11. Marine Guerret, CATE (FR): *Vegetable diversification*

Session 2: Rural Renaissance + Blue Growth

Session host: Maria João Fernandes, Fundação para a Ciência e a Tecnologia (PT) and



Business Support on Your Doorstep

MEETINGS

Participants	255
Meetings	724

PARTICIPANTS

Austria	3
Belgium	16
Bulgaria	1
Croatia	1
Czech Republic	20
Denmark	5
Estonia	3
Finland	7
France	11
Germany	9
Greece	
Hungary	
Iceland	



Centro para el
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Industrial

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Partner search tool – Participant portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/partner-search>

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

Horizon 2020 Framework Programme (H2020)

Search by Involvement in EU funded programmes

Keyword
Type your Keywords

Topic
Type a topic ...

Call
Select a call ...

Programme
Horizon 2020 Framework Programme (H2020)

Search by Organisation details

Organisation name
Type an organisation name ...

Organisation type
-

Country
-

City
Select a city ...

Partner Search

Any use of the Funding and Tenders Portal for a commercial purpose is prohibited.

Find partners for your project ideas among the participants in past calls.

- Enter a keyword or a topic of a past call for proposals for finding partners.
- Search by geographical criteria or by types of organisation.
- For more specialised partner search service see Online Manual.

Results: 0

ORGANISATION NAME

No records found

Horizon 2020 Framework Programme (H2020)

Publish partner search for topic:
Pilot action for the removal of marine plastics and litter (CE-FNR-09-2020)

Partner Search list

Results: 25

ORGANISATION NAME

ISTANBUL AVRUPA ARASTIRMALARI DERNEGI

We are motivated to join a consortium as partners. IAAD is a SME-based not for profit research body located in Istanbul/Turkey, at the interface between academia and industry.

HAPTIC R&D CONSULTING SRL

HAPTIC R&D CONSULTING, headquartered in Aricesti Rahtivani, Prahova (ROMANIA), is a consulting of global technology and engineering company specialising in the field of robotics and artificial intelligence.

INDIGO MED SMPC

Indigo-Med is a Science Communication & Ocean Literacy SME, in Athens, Greece. Effective science communication and ocean literacy are its core activities.

RenaSol Oostende Recycling nv

Renasol (www.renasol.be) is developing a revolutionary waste concept: municipal solid waste is recycled. What cannot be recycled is converted into digestate.

Rafael Guerra-Arce

Simbolo Ingenio Creativo is an agency of publicity and communication.

MINISTERIO DE CIENCIA, INNOVACION Y UNIVERSIDADES

CDTI Centro para el Desarrollo Tecnológico Industrial

@CDTIoficial

Thank you!

#InvestEUresearch
#HorizonEU

https://ec.europa.eu/info/designing-next-research-and-innovation-framework-programme/what-shapes-next-framework-programme_en?pk_campaign=rtd_news

#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>