



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

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

This list of calls for 2020 is based on the final work programme published in July 2019. Please use the published work programme when preparing your application. Also, remember to consult material of Info Day on Societal Challenge 2 for proposals 2020.

The work programme is structured around four calls: "Sustainable Food Security", "Blue Growth", "Rural Renaissance", "Food and Natural Resources" and a Thematic Investment Platform on Circular Bioeconomy. Overall, the work programme contributes strongly to the focus areas "Low Carbon", "Circular Economy" and "Digitisation".

The work programme focuses on five priorities:

- Addressing climate change and resilience on land and sea
- Making the transition towards a circular bioeconomy
- Fostering functional ecosystems, sustainable food systems, healthy lifestyles
- Boosting major innovations on land and sea – new products, value chains and markets
- Developing smart, connected territories and value chains in rural and coastal areas.

1) Call – Sustainable Food Security (H2020-SFS-2018-2020):

14 Topics: RIA 11, IA 2, CSA 1	Topic budget/per project (EUR Mil)	Stages	Action	Opening	Deadline(s)
From functional ecosystems to healthy food					
SFS-01-2018-2019-2020: Biodiversity in action: across farmland and the value chain (sub-topic C: From agrobiodiversity to dynamic value chains)	18/6	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
SFS-02-2020: Healthy terrestrial livestock microbial ecosystems for sustainable production	20/10	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
SFS-04-2019-2020: Integrated health approaches and alternatives to pesticide use (sub-topic B: Alternative to contentious pesticides)	20/5	1	IA	15 Oct 2019	22 Jan 2020
SFS-05-2018-2019-2020: New and emerging risks to plant health	7/7	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
SFS-06-2018-2020: Stepping up integrated pest management (sub-topic B: European-wide demonstration farm network)	6/6	1	CSA	15 Oct 2019	22 Jan 2020
SFS-10-2020: Epidemiology of non-EU-regulated contagious animal diseases: from integrated data collection to prioritisation	10/10	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
SFS-13-2020: Genome and epigenome enabled breeding in terrestrial livestock	14/7	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

Environment and climate-smart food production and consumption

SFS-21-2020: Emerging challenges for soil management (sub-topic A: Emerging challenges for soil management: soil, biodiversity assessment; subtopic B: Emerging challenges for soil management: use of plastics in agriculture)	14/7	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
LC-SFS-22-2020: Forest soils Research and Innovation Action	10/10	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

Building capacities

SFS-28-2018-2019-2020: Genetic resources and pre-breeding communities (sub-topic C: The GenRes-user interface and pre-breeding activities)	14/7	1	IA	15 Oct 2019	22 Jan 2020
SFS-30-2018-2019-2020: Agri-Aqua Labs (sub-topic C: Plant energy biology)	5/5	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

Targeted international cooperation

SFS-35-2019-2020: Sustainable Intensification in Africa (sub-topic C: Vector-borne diseases in Africa)	12/6	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
CE-SFS-36-2020: Diversifying revenue in rural Africa through bio-based solutions	18/9	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
SFS-40-2020: Healthy soils for healthy food production	5/5	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

2) Call – Blue Growth (H2020-BG-2018-2020)

3 Topics: RIA 2, IA 1						
	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)	
BG-07-2019-2020: The Future of Seas and Oceans Flagship Initiative (sub-topic C: Technologies for observation)	18/9	1	IALS	15 Oct 2019	22 Jan 2020	
BG-10-2020: Fisheries in the full ecosystem context	16/8	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)	
BG-11-2020: Towards a productive, healthy, resilient, sustainable and highly-valued Black Sea	18/9	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)	

3) Call – Rural Renaissance (H2020-RUR-2018-2020)

8 Topics: RIA 3, IA 3, CSA 2	Topic budget/per project (EUR Mil)	Stages	Action	Opening	Deadline(s)
------------------------------	------------------------------------	--------	--------	---------	-------------

From farm to society: understanding dynamics and modernising policies

RUR-21-2020: Agricultural markets and international trade in the context of sustainability objectives	4/4	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
---	-----	---	-----	-------------	---

Organising sustainable food and non-food value chains under changing conditions

RUR-05-2020: Connecting consumers and producers in innovative agri-food supply chains	9/3	1	CSA	15 Oct 2019	22 Jan 2020
RUR-06-2020: Innovative agri-food value chains: boosting sustainability-oriented competitiveness	21/7	1	IA	15 Oct 2019	22 Jan 2020
RUR-07-2020: Reducing food losses and waste along the agri-food value chain	12/6	1	IA	15 Oct 2019	22 Jan 2020
CE-RUR-08-2018-2019-2020: Closing nutrient cycles (sub-topic C: Bio-based fertilisers from by-products of the agri-food, fisheries, aquaculture or forestry sectors); sub-topic D: Bio-based fertilisers from waste water and sewage sludge)	16/8	1	IA	15 Oct 2019	22 Jan 2020
	6/6	2	RIA		22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
LC-RUR-11-2019-2020: Sustainable wood value chains (sub-topic B: Resilient forest systems)	10/5	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

Boosting innovation and enhancing the human and social capital in rural areas

RUR-15-2018-2019-2020: Thematic networks compiling knowledge ready for practice	10/2	1	CSA	15 Oct 2019	22 Jan 2020
---	------	---	-----	-------------	-------------

4) Call – Food and Natural Resources (H2020-FNR-2020)

19 Topics: RIA 5, IA 5, CSA 9	Topic budget/per project (EUR Mil)	Stages	Action	Opening	Deadline(s)
-------------------------------	------------------------------------	--------	--------	---------	-------------

FNR-01-2020: Strengthening the European agro-ecological research and innovation ecosystem	2/2	1	CSA	15 Oct 2019	22 Jan 2020
FNR-02-2020: Developing long-term monitoring and evaluation frameworks for the Common Agricultural Policy	2/2	1	CSA	15 Oct 2019	22 Jan 2020
FNR-03-2020: A comprehensive vision for urban agriculture	2/2	1	CSA	15 Oct 2019	22 Jan 2020
FNR-04-2020: Towards a European research and innovation roadmap on soils and land management	1/1	1	CSA	15 Oct 2019	22 Jan 2020
FNR-05-2020: Husbandry for quality and sustainability (sub-topic A. Husbandry for sustainability; sub-topic B. Husbandry for quality)	21/ A 9, B 6	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
LC-FNR-06-2020: Defossilising agriculture – solutions and pathways for fossil-energy-free farming (sub-topic A: Pathways for a fossil-energy-free-agriculture; sub-topic B: Close-to-market solutions for fossil-energy-free farming)	12/A 2, B 5	1	CSA	15 Oct 2019	22 Jan 2020
			IA		

CE-FNR-07-2020: FOOD 2030 - Empowering cities as agents of food system transformation	38/12	1	IA	15 Oct 2019	22 Jan 2020
FNR-08-2020: Supporting the food safety systems of the future	3/3	1	CSA	15 Oct 2019	22 Jan 2020
CE-FNR-09-2020: Pilot action for the removal of marine plastics and litter	13.2/6	1	IA	15 Oct 2019	22 Jan 2020
FNR-10-2020: Public engagement for the Bioeconomy	1/1	1	CSA	15 Oct 2019	22 Jan 2020
FNR-11-2020: Prospecting aquatic and terrestrial natural biological resources for biologically active compounds (sub-topic A; Prospecting terrestrial natural biological resources for biologically active compounds; sub-topic B: Prospecting aquatic natural biological resources for biologically active compounds)	30/7.5	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
FNR-12-2020: Industrial microbiomes – learning from nature	12/6	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
LC-FNR-13-2020: Bio-based industries leading the way in turning carbon dioxide emissions into chemicals	21/7	2	RIA	15 Oct 2019	22 Jan 2020
CE-FNR-14-2020: Innovative textiles – reinventing fashion	21/7	1	IA	15 Oct 2019	22 Jan 2020
CE-FNR-15-2020: A network of European bioeconomy clusters to advance bio-based solutions in the primary production sector	2/2	1	CSA	15 Oct 2019	22 Jan 2020
FNR-16-2020: Enzymes for more environment-friendly consumer products	18/6	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)
CE-FNR-17-2020: Pilot circular bio-based cities – sustainable production of bio-based products from urban biowaste and wastewater	8/8	1	IA	15 Oct 2019	22 Jan 2020
FNR-18-2020: Sustainability of bio-based products – international governance aspects and market update	1.5/1.5	1	CSA	15 Oct 2019	22 Jan 2020

CSA = Coordination and Support Action, IA = Innovation Action, IALS = Innovation Action Lump Sum, RIA = Research and Innovation Action

Indicative timetable for evaluation and grant agreement signature:

For single stage procedure:

- Information on the outcome of the evaluation: max. 5 months from the final date for submission
- Indicative date for the signing of grant agreements: max. 8 months from the final date for submission.

For two stage procedure:

- Information on the outcome of the evaluation: max. 3 months from the final date for submission for the first stage and max. 5 months from the final date for submission for the second stage
- Indicative date for the signing of grant agreements: max 8 months from the final date for submission of the second stage.

Exceptions and conditions – consult the work programme “Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy” for more details:

Grant conditions	Eligibility and admissibility conditions	Evaluation exceptions
SFS-01-2018-2019-2020 SFS-28-2018-2019-2020 BG-07-2019-2020	SFS-35-2019-2020 CE-SFS-36-2020 SFS-21-2020 BG-07-2019-2020	BG-07-2019-2020 FNR-05-2020 FNR-11-2020 LC-FNR-06-2020 CE-RUR-08-2018-2019-2020

Notice that consortium agreement needed for all consortium submissions.

Online sources of information:

- H2020 SC2 WP 2018-2020
https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-food_en.pdf
- H2020 SC2 info day material for proposals 2020
<https://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-info-day-societal-challenge-2-calls-proposals-2020>
- European Commission Funding & Tenders portal:
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>
- Finnish H2020 pages:
<https://www.businessfinland.fi/suomalaisille-asiakkaille/palvelut/rahoitus/horizontti-2020/lyhyesti>

Contact information for national contact points (NCPs):

Heini Günther
Business Finland
+358 40 502 0042
heini.gunther AT businessfinland.fi

Jaana Lehtimäki
Suomen Akatemia
+358 2953 5060
jaana.lehtimaki AT aka.fi

See also <https://www.businessfinland.fi/suomalaisille-asiakkaille/palvelut/rahoitus/horizontti-2020/yhteiskunnalliset-haasteet/elintarviketurva/>