



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Climate action, environment, resource efficiency and raw materials

These calls for 2020 are preliminary and subject to change until the final work programme is published in July 2019. Please check the final published work programme before starting submission.

The work programme for 2018-2020 is focused on moving to a greener, more resource efficient and climate-resilient economy in sync with the natural environment, demonstrating a strong commitment to supporting the UN's Sustainable Development Goals (SDGs) and the targets of the COP21 Paris Agreement.

The programme is structured around two calls: 'Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement' and 'Greening the economy in line with the SDGs'. Overall, the work programme contributes strongly to the focus areas 'Building a low-carbon, climate resilient future' and 'Connecting economic and environmental gains - the circular economy'.

The work programme focuses on six priorities:

- Climate action in support of the Paris Agreement
- Circular economy
- Raw materials
- Water for our environment, economy and society
- Innovating cities for sustainability and resilience
- Protecting and leveraging the value of our natural and cultural assets (which includes Earth observation, nature-based solutions, disaster risk reduction and natural capital accounting, and heritage alive).

1) Call – Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement (H2020-LC-CLA-2018-2019-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
Decarbonisation p.13					
LC-CLA-10-2020: Scientific support to designing mitigation pathways and policies (3 sub-topics)	25	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-11-2020: Innovative nature-based solutions for carbon neutral cities and improved air quality	30	2	IA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
Climate adaptation, impacts and services p. 22					
LC-CLA-12-2020: Advancing climate services (3 sub-topics)	22	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-13-2020: Climate Resilience of European coastal cities and settlements	15	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-23-2020: Towards a comprehensive European mountain research strategy	1.5	1	CSA	12 Nov 2019	13 Feb 2020

Inter-relations between climate change, biodiversity and ecosystem services p. 31

LC-CLA-14-2020: Understanding climate-water-energy-food nexuses and streamlining water-related policies	13	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-15-2020: Forest Fires risk reduction: towards and integrated fire management approach in the EU	10	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-16-2020: Multi-hazard risk management for risk informed decision-making in the E.U.	5	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)

The Cryosphere p. 41

LC-CLA-17-2020: Polar climate: understanding the polar processes in a global context in the Arctic and Antarctic Regions	15	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-21-2020: Coordination of European Polar research	3	1	CSA	12 Nov 2019	13 Feb 2020

Knowledge gaps p. 47

LC-CLA-18-2020: Developing the next generation of Earth System Models	22	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-22-2020: Enhancing the Belmont Forum Collaborative Research Action on Climate, Environment and Health	3	1	CSA	12 Nov 2019	13 Feb 2020

Earth Observation p. 51

LC-CLA-19-2020: Integrated GEOSS climate applications to support adaptation and mitigation measures of the Paris Agreement	10	1	RIA	12 Nov 2019	13 Feb 2020
LC-CLA-20-2020: Supporting the implementation of GEOSS in the Arctic in collaboration with Copernicus	15	1	RIA	12 Nov 2019	13 Feb 2020

2) Call – Greening of the economy in line with the sustainable development goals (SDGs) (H2020-SC5-2018-2019-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
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Connecting economic and environmental gains - the circular economy p. 59

CE-SC5-24-2020: Improving the sorting, separation and recycling of composite and multilayer materials	20	2	RIA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
CE-SC5-25-2020: Understanding the transition to a circular economy and its implications on the environment, economy and society	10	2	RIA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
CE-SC5-28-2020: Develop and pilot circular systems in plastics, textiles and furniture sectors	15	2	IA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
CE-SC5-29-2020: A common European framework to harmonise procedures for plastics pollution monitoring and assessments	2	1	CSA	12 Nov 2019	13 Feb 2020
CE-SC5-30-2020: Plastics in the environment: understanding the sources, transport and impacts of plastics pollution	5	2	RIA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)

Raw materials p. 78

SC5-10-2019-2020: New solutions for the sustainable production of raw materials (2 sub-topics for 2020)	39	2	IA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
SC5-26-2020: Sustainable management in extractive industries	2	1	CSA	12 Nov 2019	13 Feb 2020

Innovating cities for sustainability and resilience p. 100

SC5-27-2020: Strengthening international collaboration: enhanced natural treatment solutions for water security and ecological quality in cities	10	2	RIA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
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Protecting and leveraging the value of our natural and cultural assets: Nature-based solutions, disaster risk reduction and natural capital accounting p. 111

SC5-32-2020: Addressing wild pollinators decline and its effects on biodiversity and ecosystem services	5	2	RIA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
SC5-33-2020: Monitoring ecosystems through research, innovation and technology	3	1	CSA	12 Nov 2019	13 Feb 2020

Specific support and implementation aspects p. 126

SC5-34-2020: ERA-NET Cofund action on conservation and restoration of degraded ecosystems and their biodiversity, including a focus on aquatic systems	5	1	ERA-NET Cofund	12 Nov 2019	13 Feb 2020
SC5-35-2020: ERA-NET Cofund action on enhancing urban transformation capacities	5	1	ERA-NET Cofund	12 Nov 2019	13 Feb 2020
SC5-36-2020: ERA-NET Cofund action on raw materials	5	1	ERA-NET Cofund	12 Nov 2019	13 Feb 2020

RIA = Research and Innovation Action, IA = Innovation Action, CSA = Coordination and Support 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 “Climate action, environment, resource efficiency and raw materials” for more details:

Exceptional funding rates	Eligibility and admissibility conditions	Grant conditions
LC-CLA-11-2020	LC-CLA-11-2020 SC5-27-2020	LC-CLA-11-2020 LC-CLA-18-2020

Notice that consortium agreement needed for all consortium submissions.

Contribution to the call 'Competitive, Low Carbon and Circular Industries'

The Societal Challenge 5 contributes the following topics to the call 'Competitive, Low Carbon and Circular Industries' (call identifier H2020-LOW-CARBON-CIRCULAR-INDUSTRIES-2020), included in the work programme Annex 'Cross-cutting activities':

1. CE-SC5-07-2020 - Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes (IA);
2. CE-SC5-08-2020 - Raw materials policy support actions for the circular economy - Expert network on Critical Raw Materials (CSA);
3. CE-SC5-31-2020 - Develop, implement and assess a circular economy oriented product information management system for complex products from cradle to cradle (IA).

Online sources of information:

- European Commission's H2020 pages:
<http://ec.europa.eu/research/horizon2020>
- European Commission funding & tenders:
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>
- Finnish H2020 pages:
<https://www.businessfinland.fi/suomalaisille-asiakkaille/palvelut/rahoitus/horisontti-2020/lyhyesti>

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