



Climate action, environment, resource efficiency and raw materials

This document provides a short list of the Horizon 2020 [Societal Challenge 5 calls](#) including topics, indicative budgets, deadlines as well as information about submission process. Also, it contains SC5-related [cross-cutting calls](#). When preparing your application, please consult published call texts, which you can find from the [Funding & Tenders](#) portal. Also, remember to check presentation materials of [Information Days](#) on SC5 for proposals 2020.

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' with 14 topics and a budget 190 million Euros and 'Greening the economy in line with the SDGs' with 13 topics and a budget of 129 million Euros.

1) Call – Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement (H2020-LC-CLA-2018-2019-2020), total budget 189.5 EUR million

14 Topics (10 RIA, 1 IA, 3 CSA)	Total budget/budget per project (EUR Mil)	Stages	Action	Opening	Deadline(s)
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Decarbonisation p.13

LC-CLA-10-2020: Scientific support to designing mitigation pathways and policies. Three subtopics: <ul style="list-style-type: none"> Assessing and designing climate policies for the coming decade Decarbonisation and life-style changes Science underpinning the preparation of NDCs after the 2023 Global Stocktake at the global scale 	25 (3 - 5)	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 (<i>see p. 56- funding rates, eligibility and admissibility conditions, grant conditions</i>)	30 (10)	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. Three subtopics: <ul style="list-style-type: none"> Mapping European coastal infrastructure at risk from sea-level rise Detection and attribution of extreme events using Artificial intelligence Impacts of overshooting 	22 (4 – 6)	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 (10)	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 (1.5)	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 nexus and streamlining water-related policies	13 (4 – 5)	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-15-2020: Forest Fires risk reduction: towards an integrated fire management approach in the E.U.	10 (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 (3 – 5)	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)

The Cryosphere p. 42

LC-CLA-17-2020: Polar climate: understanding the polar processes in a global context in the Arctic and Antarctic Regions	15 (7 – 8)	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-21-2020: Coordination of European Polar research	3 (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 (<i>see p. 57 – grant conditions</i>)	22 (10 – 12)	2	RIALS	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 (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 (4 – 5)	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
LC-CLA-20-2020: Supporting the implementation of GEOSS in the Arctic in collaboration with Copernicus	15 (15)	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)

2) Call – Greening of the economy in line with the Sustainable Development Goals (SDGs) (H2020-SC5-2018-2019-2020), total budget 128.86 EUR million

13 Topics (5 RIA, 2 IA, 3 CSA, 3 ERA-NET)	Total budget/budget per project (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 multi-layer materials	20 (4 – 5)	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 (3 – 4)	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 (7 – 8)	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 (2)	1	CSA	12 Nov 2019	13 Feb 2020
CE-SC5-30-2020: Plastics in the environment: understanding the sources, transport, distribution and impacts of plastics pollution	5 (5)	2	RIA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)

Raw materials p. 78

SC5-10-2019-2020: Raw materials innovation actions: exploration and Earth observation in support of sustainable mining. Two subtopics: C) Mining pilots D) pilots on substitution of critical and scarce materials.	41.86 (8 – 13)	2	IA	12 Nov 2019	13 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
SC5-26-2020: Sustainable management in extractive industries	2 (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 (see p. 136- eligibility conditions)	10 (5)	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 (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 (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 (5)	1	ERA-NET Cofund	12 Nov 2019	13 Feb 2020
SC5-35-2020: ERA-NET Cofund action on enhancing urban transformation capacities	5 (5)	1	ERA-NET Cofund	12 Nov 2019	13 Feb 2020
SC5-36-2020: ERA-NET Cofund action on raw materials	5 (5)	1	ERA-NET Cofund	12 Nov 2019	13 Feb 2020

SC5-related cross-cutting activities

CE-SC5-07-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes. Five subtopics: <ul style="list-style-type: none"> • Sustainable processing and refining of primary and/or secondary raw materials • Recycling of raw materials from end-of-life products • Recycling of raw materials from buildings and infrastructures • Advanced sorting systems for high-performance recycling of complex end-of-life products • Sustainable metallurgical processes 	40 (8-13)	2	IA	3 Jul 2019	5 Feb 2020 (1 st) 3 Sep 2020 (2 nd)
CE-SC5-08-2020: Raw materials policy support actions for the circular economy - Expert network on Critical Raw Materials	3 (3)	1	CSA	3 Jul 2019	5 Feb 2020
CE-SC5-31-2020: Develop, implement and assess a circular economy oriented product information management system for complex products from cradle to cradle	15 (7-8)	2	IA	3 Jul 2019	5 Feb 2020 (1 st) 3 Sep 2020 (2 nd)

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 for more details

Exceptional funding rates	Eligibility and admissibility conditions	Grant conditions	Evaluation criteria, scoring and threshold
LC-CLA-11-2020	LC-CLA-11-2020 SC5-27-2020	LC-CLA-11-2020 LC-CLA-18-2020	CE-SC5-07-2020 CE-SC5-31-2020

National contact points

National Contact Points (NCPs) for Horizon 2020 provide services in guiding and supporting national applicants in preparing proposals for Horizon 2020 funding. NCPs responsible for SC5 have pooled their resources and know-how to provide high-quality services to their clients with the funding of Horizon 2020 program for [NCPs CaRE project](#).

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