

Climate action, environment, resource efficiency and raw materials

The work programme for years 2018 - 2020 will focus 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 targets of the COP21 Paris Agreement.

The programme is structured to 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". This call list for year 2019 is based on the updated (in July 2018) version of the work programme.

Opening date for all the calls is 14 Nov 2018. Deadlines for calls are 19 Feb 2019 (first stage and one stage calls) and 4 Sept 2019 (second stage).

1) **H2020-LC-CLA-2018-2019-2020 (2019: 116 million EUR): Call for building a low-carbon, climate resilient future: climate action in support of the Paris Agreement**

| Call (type of action) | Budget year: indicative budget (EU contr. per project, million EUR) |
|---|---|
| Decarbonisation, p. 12 | |
| LC-CLA-02-2019: Negative emissions and land-use based mitigation assessment. Two RIA topics for 2019: a) Feasibility of negative emissions for climate stabilisation & b) Land-based mitigation. | 2019: 22 (5-7) |
| Climate adaptation, impacts and services, p. 15 | |
| LC-CLA-05-2019: Human dynamics of climate change. For 2019 two RIA topics: a) Climate services for Africa & b) Climate and human migration. | 2019: 23 (5-7) |
| Inter-relations between climate change, biodiversity and ecosystem services, p. 20 | |
| LC-CLA-06-2019: Inter-relations between climate change, biodiversity and ecosystem services (RIA) | 2019: 25 (5-7) |
| LC-CLA-09-2019 ERA-NET Cofund action on biodiversity and climate change: Impacts, feedbacks, and nature-based solution for climate change adaptation and mitigation (ERA-NET Cofund) | 2019: ~5 |
| The cryosphere, p. 24 | |
| LC-CLA-07-2019: The changing cryosphere: uncertainties, risks and opportunities. For 2019 three RIA topics: a) Sea-level changes, b) Changes in Arctic biodiversity, c) Sustainable opportunities in a changing Arctic. For 2019 one CSA topic: d) Arctic standards. | 2019: CSA 2 (2) 2019: RIA 39 (a topic 8-10/b-c topics 5-6) |

2) H2020-SC5-2018-2019-2010 (2019: 256,1 million EUR): Call for Greening the economy in line with the Sustainable Development Goals (SDGs)

| Call (type of action) | Budget year: indicative budget (EU contr. per project, million EUR) |
|---|---|
| Connecting economic and environmental gains – the circular economy, p. 32 | |
| CE-SC5-04-2019: Building a water-smart economy and society. For 2019 two IA topics: a) Symbiosis between industry and water utilities & b) Large scale applications with multiple water users at various relevant scales. | 2019: 72 (10-15) |
| Raw materials, p. 41 | |
| CE-SC5-07-2018-2019-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes. For 2019 four IA topics: a) Sustainable processing and refining of primary and/or secondary raw materials, b) Recycling of raw materials from end-of-life products, c) Recycling of raw materials from buildings & d) Advanced sorting systems for high-performance recycling of complex end-of-life products. | 2019: 30 (8-13) |
| CE-SC5-08-2018-2019-2020: Raw materials policy support actions for the circular economy. For 2019 one CSA topic: Responsible sourcing of raw materials in global value chains. | 2019: 3 (3) |
| SC5-09-2018-2019: New solutions for the sustainable production of raw materials. For 2019 two RIA topics: b) Digital mine & c) Recovery of metals and minerals from sea resources. | 2019: 30 (3-7) |
| SC5-10-2019-2020: Raw materials innovation actions: exploration and Earth observation in support of sustainable mining. For 2019 two IA topics: a) Integrated exploration solutions & b) Services and products for the extractive industries. | 2019: 20 (8-13) |
| Innovating cities for sustainability and resilience, p. 60 | |
| SC5-13-2018-2019: Strengthening international cooperation on sustainable urbanisation: nature- based solutions for restoration and rehabilitation of urban ecosystem. For 2019 one RIA topic: b) Strengthening EU-CELAC collaboration. | 2019: 10 (~ 5) |
| SC5-14-2019: Visionary and integrated solutions to improve well-being and health in cities (IA) | 2019: 43 (~10) |
| Protecting and leveraging the value of our natural and cultural assets: Earth observation, p. 65 | |
| SC5-16-2019: Development of commercial activities and services through the use of GEOSS and Copernicus data. For 2019 one CSA topic: a) Coordination of European innovators in the domain of Earth observation. For 2019 one IA topic: b) Designing Earth observation services and products of the future, building on GEOSS and Copernicus assets) | 2019 CSA : 1 (1) 2019 IA : 15 (2-3) |
| Protecting and leveraging the value of our natural and cultural assets: Nature-based solutions, disaster risk reduction and natural capital accounting, p. 69 | |
| SC5-23-2019: Multi-stakeholder dialogue platform to promote nature-based solutions to societal challenges: follow up project | 2019: 2 (2) |

| Protecting and leveraging the value of our natural and cultural assets: Heritage alive, p. 76 | |
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| SC5-20-2019: Transforming historic urban areas and/or cultural landscapes into hubs of entrepreneurship and social and cultural integration (IA) | 2019: 25 (7-8) |
| Specific support and implementation aspects, p. 80 | |
| SC5-21-2019-2020: ERA-NET Cofund action for climate action, environment, resource efficiency and raw materials (ERA-NET Cofund) Risks posed to human health and the environment by pollutants and pathogens presented in water resources (2019) | 2019: 4,5 (~4,5) |
| SC5-22-2019: Assessing and fostering the impacts of Research and Innovation Actions (RIA) and Innovation Actions (IA) granted by Societal Challenge 5 in 2014-2015 (CSA) | 2019: 0,6 (0,6) |

Timetable for single stage procedure:

- information on the outcome of the evaluation; maximum 5 months from the final date for submission
- indicative date for the signing of grant agreements; maximum 8 months for the final date of submission

Timetable for two stage procedure:

- information on the outcome of the evaluation; maximum 3 months from the final date for submission for the first stage and 5 months from the final date for submission for the second stage
- indicative date for the signing of grant agreements, maximum 8 months for the final date of submission of the second stage

There are some exception concerning eligibility and admissibility conditions (**call code coloured with red**), evaluation procedure (**coloured with green**) and grant conditions (**coloured with orange**). When preparing the application, please consult the work programme "[Climate action, environment, resource efficiency and raw materials](#)".

Contact information for national contact points (NCPs)

The network of National Contact Points (NCPs) provides guidance, practical information and assistance on all aspects of participation in Horizon 2020. The contact details of NCPs can be found via this link: https://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html