



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Circular economy

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

Further development of a sustainable, resource efficient and competitive economy will require a transition to a more circular economic model with products, processes, services and business models that are designed to maintain the value and utility of materials and resources in the economy for as long as possible. The circular economy solutions should combine a strong environmental rationale with a convincing business logic.

They will contribute to implementing the Circular Economy Action Plan³³ and key high-level EU priorities, including those addressing jobs, growth and investment, climate and energy, and a strengthened industrial base. Circular economy related calls can be found in several work programmes of the Horizon 2020.

1) Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing (NMBP)

CALL - TRANSFORMING EUROPEAN INDUSTRY (H2020-NMBP-TR-IND-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
2.2 Biotechnology					
CE-BIOTEC-08-2020: New biotechnologies to remediate harmful contaminants	10	1	RIA	To be defined	To be defined
CE-BIOTEC-09-2020: Upcycling Bio Plastics of food and drinks packing	20	2	RIA		To be defined (1st) To be defined (2nd)

CALL - INDUSTRIAL SUSTAINABILITY (H2020-NMBP-ST-IND-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
3.6 Competitive, low carbon and circular industries					
CE-NMBP-41-2020: ERA-NET on materials, supporting the circular economy and sustainable-development-goals	113.5	1	ERA-NET Cofund	To be defined	To be defined
CE-NMBP-42-2020: Materials life cycle sustainability analysis		1	RIA		
CE-SPIRE-01-2020: Tapping into the potential of Industrial Symbiosis		1	IA		
CE-SPIRE-07-2020: Preserving fresh water: recycling industrial waters industry		1	IA		
CE-SPIRE-09-2020: Alternative mineral resources for high volume production		1	IA		

2) Climate action, environment, resource efficiency and raw materials (SC5)

CALL - GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS) (H2020-SC5-2018-2019-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
Connecting economic and environmental gains - the circular economy					
CE-SC5-24-2020: Improving the sorting, separation and recycling of composite and multilayer materials	20	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
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 (1st) 3 Sep 2020 (2nd)
CE-SC5-28-2020: Develop and pilot circular systems in plastics, textiles and furniture sectors	15	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
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 distribution of plastics pollution	5	2	RIA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
CE-SC5-31-2020: Develop, implement and assess a circular economy oriented product information management system for complex products from cradle to cradle	15	2	IA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)

Raw materials

CE-SC5-07-2018-2019-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes (5 sub-topics)	40	2	IA	12 Nov 2019	13 Feb 2020 (1st) 3 Sep 2020 (2nd)
CE-SC5-08-2018-2019-2020: Raw materials policy support actions for the circular economy (4 sub-topics)	3	1	CSA	12 Nov 2019	13 Feb 2020

3) Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy (SC2)

CALL - SUSTAINABLE FOOD SECURITY (H2020-SFS-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
Targeted international cooperation					
CE-SFS-36-2020: Diversifying revenue in rural Africa through bio-based solutions	18	2	RIA	15 Oct 2019	22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

CALL - BLUE GROWTH (H2020-BG-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
BG-07-2019-2020: The Future of Seas and Oceans Flagship Initiative (1 sub-topic for 2020)	18	1	IA	15 Oct 2019	22 Jan 2020

CALL - RURAL RENAISSANCE (H2020-RUR-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
Organising sustainable food and non-food value chains under changing conditions p. 134					
CE-RUR-08-2018-2019-2020: Closing nutrient cycles (2 sub-topics for 2020)	16	1	IA	15 Oct 2019	22 Jan 2020
	6	2	RIA		22 Jan 2020 (1 st) 8 Sep 2020 (2 nd)

CALL - FOOD AND NATURAL RESOURCES (H2020-FNR-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
CE-FNR-09-2020: Pilot action for the removal of marine plastics and litter	12	1	IA	15 Oct 2019	22 Jan 2020
CE-FNR-17-2020: Pilot circular bio-based cities: sustainable production of bio-based products from urban biowaste and wastewater	8	1	IA	15 Oct 2019	22 Jan 2020

4) Health, demographic change and wellbeing (SC1)

CALL – BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
Decoding the role of the environment, including climate change, for health and well-being P. 99					
SC1-BHC-36-2020: Micro- and nano-plastics in our environment: Understanding exposures and impacts on human health (RIA 4)	To be defined	?	RIA	Autumn 2019	To be defined (1st) To be defined (2nd)

CSA = Coordination and Support Action, IA = Innovation Action, RIA = Research and Innovation Action
SC= Social Challenge in Horizon 2020

Exceptions and conditions – consult the corresponding work programme for more details:

Grant conditions	Eligibility and admissibility conditions	Evaluation exceptions
CE-SPIRE-01-2020	CE-BIOTEC-08-2020 CE-SFS-36-2020	CE-NMBP-41-2020 CE-NMBP-42-2020 CE-SPIRE-01-2020 CE-SPIRE-07-2020 CE-SPIRE-09-2020 CE-BIOTEC-08-2020 CE-SC5-08-2018-2019-2020 BG-07-2019-2020

Notice that consortium agreement is needed for all consortium submissions.

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.

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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