

HORIZON 2020

**Climate action,
environment, resource
efficiency and raw
materials**

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HORIZON 2020

I. Excellent Science

ERC

FET

Marie-Sklodowska-Curie Actions

Infrastructures

II. Industrial Leadership

LEIT (ICT, Nanotechnologies, Advanced materials, Biotechnology, Manufacturing and Processing, Space)

Access to Risk Finance

Innovation in SMEs

III. Societal Challenges

Health, demographic change and wellbeing

Food security, sustainable agriculture ... and bioeconomy

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, environment, resource efficiency and raw materials

Inclusive, innovative and reflective societies

Secure societies

Spreading excellence and widening participation

Science with and for Society

Joint Research Centre (JRC)

The European Institute of Innovation and Technology (EIT)

STRATEGIC DOCUMENTS AND INITIATIVES

- COP 21 Paris Agreement
http://unfccc.int/paris_agreement/items/9485.php
 - UN's Sustainable Development Goals (SDGs) -
<http://www.un.org/sustainabledevelopment/sustainable-development-goals/>
 - 7th Environmental Action Programme
 - Circular economy policies
 - EU Biodiversity Strategy
 - Joint programming initiatives (JPI) Water, Cultural heritage, Climate knowledge
 - European innovation partnerships (EIP) Water, Raw materials
 - ...
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CALLS 2020

Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement (PA)

- budget: 2020 – 189,5 mil. eur
- deadline 2020: 13.2.2020 (1st stage), 3.9.2020 (2nd stage)
- efforts to limit global temperature rise to well below 2°C (in comparison with pre-industrial period)
- solutions for the achievement of the PA's mitigation and adaptation goals
- scientific knowledge for the implementation of relevant policies

Greening the economy in line with the Sustainable Development Goals (SDGs)

- budget: 2020 – 128,86 mil. eur
- deadline 2020: 13.2.2020 (1st stage), 3.9.2020 (2nd stage)
- moving to a greener, more resource efficient and climate-resilient economy, reduction of waste production, circular economy in cities, ...

2stage evaluation: all IAs a RIAs

1stage evaluation: all CSAs, ERA-NET Cofunds

Competitive, low carbon and circular industries

- Work Programme: Cross-cutting activities
 - deadline 2020: 5.2.2020 (1st stage), 3.9.2020 (2nd stage)
 - clustering of projects around certain activities into portfolios

 - research challenges related to the Circular Economy (priority since the 2015 Circular Economy Action Plan)
 - to reaching carbon neutral industries (Communication "A Clean Planet for all– A European strategic long-term vision for a prosperous, modern, competitive and climate neutral economy,,")
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INTERNATIONAL COOPERATION

- **EU member states + H2020 associated countries (AC)**
- **Countries outside EU and AC**
 - In general supported in all topics
 - In some topics *encouraged* / *strongly encouraged*
 - sometimes specific target groups defined, e.g. in LC-CLA-17-2020 countries that took part in the Arctic Science Ministerial meetings
 - In some topics *required* (eligibility condition)

Funding

- AC under the same conditions as EU Member States
 - Participants from ca 130 developing countries automatically eligible for funding
 - Industrialised countries and emerging economies exceptionally only (provision in WP, bilateral agreement, essential for project)
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BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: CLIMATE ACTION IN SUPPORT OF THE PARIS AGREEMENT

Decarbonisation

- ✓ LC-CLA-10-2020: *Scientific support to designing mitigation pathways and policies* (3x RIA, 3-5 mil. €) → (climate policies for coming decade; lifestyle changes; support to preparation of NDCs)
- ✓ LC-CLA-11-2020: *Innovative nature-based solutions for carbon neutral cities and improved air quality* (IA, 10 mil. €) → (under different conditions and urban designs; min. 4 cities from diff. MS or AC)

Climate adaptation, impacts and services

- ✓ LC-CLA-12-2020: *Advancing climate services* (3x RIA, 4-6 mil. €) → (coastal infrastructure at sea-level risk; extreme events detected by AI; impacts of overshooting)
 - ✓ LC-CLA-13-2020: *Climate resilience of European coastal cities and settlements* (RIA, 10 mil. €) → (coastal resilience plans and management)
 - ✓ LC-CLA-23-2020: *Towards a comprehensive European mountain research strategy* (CSA, 1,5 mil. €)
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BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: CLIMATE ACTION IN SUPPORT OF THE PARIS AGREEMENT

Inter-relations between climate change, biodiversity and ecosystem services

- ✓ LC-CLA-14-2019: *Understanding climate-water-energy-food nexus and streamlining water-related policies* (RIA, 4-5 mil. €) -> (innovative solutions and management for water, energy & food security and safety; TRL 5)
 - ✓ LC-CLA-15-2020: *Forest Fires risk reduction: towards an integrated fire management approach in the E.U.* (RIA, 10 mil. €)
 - ✓ LC-CLA-16-2020: *Multi-hazard risk management for risk-informed decision-making in the E.U.* (RIA, 3-5 mil. €) -> (geological, hydrological, meteorological and biological hazards)
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BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: CLIMATE ACTION IN SUPPORT OF THE PARIS AGREEMENT

Cryosphere

- ✓ LC-CLA-17-2020: *Polar climate: understanding the polar processes in a global context in the Arctic and Antarctic Regions* (RIA, 7-8 mil. €) –> (key physical and chemical processes in the ocean and atmosphere and the key ocean-atmosphere-ice interactions)
- ✓ LC-CLA-21-2020: *Coordination of European Polar research* (CSA, 3 mil. €) –> (prioritisation of research areas, strategies for capacity building, ...)

Knowledge gaps

- ✓ LC-CLA-18-2020: *Developing the next generation of Earth System Models* (**RIA Lump Sum**, 10-12 mil. €) –> (Earth system processes linked to climate change)
 - ✓ LC-CLA-22-2020: *Enhancing the Belmont Forum Collaborative Research Action on Climate, Environment and Health* (CSA, 3 mil. €)
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BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: CLIMATE ACTION IN SUPPORT OF THE PARIS AGREEMENT

Earth Observation

- ✓ LC-CLA-19-2020: *Integrated GEOSS climate applications to support adaptation and mitigation measures of the Paris Agreement* (RIA, 4-5 mil. €)
 - ✓ LC-CLA-20-2020: *Supporting the implementation of GEOSS in the Arctic in collaboration with Copernicus* (RIA, 15 mil. €)
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GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)

Connecting economic and environmental gains - the circular economy

- ✓ CE-SC5-24-2020: *Improving the sorting, separation and recycling of composite and multi-layer materials* (RIA, 4-5 mil. €)
 - ✓ CE-SC5-25-2020: *Understanding the transition to a circular economy and its implications on the environment, economy and society* (RIA, 3-4 mil. €)
 - ✓ CE-SC5-28-2020: *Develop and pilot circular systems in plastics, textiles and furniture sectors* (IA, 7-8 mil. €; TRL 6-7)
 - ✓ CE-SC5-29-2020: *A common European framework to harmonise procedures for plastics pollution monitoring and assessments* (CSA, 2 mil.€)
 - ✓ CE-SC5-30-2020: *Plastics in the environment: understanding the sources, transport, distribution and impacts of plastics pollution* (RIA, 5 mil. €)
 - ✓ CE-SC5-31-2020: *Develop, implement and assess a circular economy oriented product information management system for complex products from cradle to cradle* (IA, 7-8 mil. €; TRL 5-7) – **implemented through Cross-cutting activities WP; deadline 5.2.2020 (1st stage), 3.9.2020 (2nd stage)**
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GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)

Raw materials

- ✓ CE-SC5-07-2020: *Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes* (5x IA, 8-13 mil. €) → (TRL 6-7; primary and/or secondary raw materials; end-of-life products; buildings; sorting systems for high-performance recycling; sustainable metallurgical processes) – implemented through *Cross-cutting activities WP; deadline 5.2.2020 (1st stage), 3.9.2020 (2nd stage)*
 - ✓ CE-SC5-08-2020: *Raw materials policy support actions for the circular economy - Expert network on Critical Raw Materials* (CSA, 3 mil. €) – implemented through *Cross-cutting activities WP; deadline 5.2.2020 (1st stage), 3.9.2020 (2nd stage)*
 - ✓ SC5-10-2019-2020: *Raw materials innovation actions: exploration and Earth observation in support of sustainable mining* - (2x IA, 8-13 mil. €; TRL 6-7) → (mining pilots; pilots on substitution of critical and scarce raw materials)
 - ✓ CE-SC5-26-2020: *Sustainable management in extractive industries* (CSA, 2 mil. €)
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GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)

Innovating cities

- ✓ SC5-27-2020: *Strengthening international collaboration: enhanced natural treatment solutions for water security and ecological quality in cities* (RIA, 5 mil. €) –> (design and implementation of urban enhanced natural treatment systems, integration into urban water cycle; 3 cities in diff. MS or AC)

Protecting and leveraging the value of our natural and cultural assets

- ✓ SC5-32-2020: *Addressing wild pollinators decline and its effects on biodiversity and ecosystem services* (RIA, 5 mil. €)
 - ✓ SC5-33-2020: *Monitoring ecosystems through research, innovation and technology* (CSA, 3 mil. €)
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GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)

Specific support and implementation aspects

- ✓ SC5-34-2020: *ERA-NET Cofund action on conservation and restoration of degraded ecosystems and their biodiversity, including a focus on aquatic systems* (ERA-NET Cofund, příspěvek EU 5 mil. €)
 - ✓ SC5-35-2020: *ERA-NET Cofund action on enhancing urban transformation capacities* (ERA-NET Cofund, příspěvek EU 5 mil. €)
 - ✓ SC5-36-2020: *ERA-NET Cofund action on raw materials* (ERA-NET Cofund, příspěvek EU 5 mil. €)
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JOINT COFUND CALLS

Project BiodivERsA (funded under the H2020 ERA-NET COFUND scheme)

Call on *Biodiversity and Climate Change*

- ✓ Consequences of climate change on biodiversity and nature's contributions to people
 - ✓ Climate-biodiversity feedback processes
 - ✓ Potential of nature-based solutions for mitigating and adapting to climate change
 - ✓ Synergies and trade-offs between policies on biodiversity, climate and other relevant sectors, and the role of agents of change
- launched on 2.9.2019
 - closing date on 10.4.2020
 - mandatory submission of pre-proposals by 5.11.2019 !
 - Czech national rules: Technology Agency CR; info webinar 13.9.2019
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JOINT COFUND CALLS

Project ERA-MIN 2 (funded under the H2020 ERA-NET COFUND scheme)

Call on non-energy non-agricultural raw materials

- ✓ Supply of raw materials from exploration and mining
 - ✓ Design
 - ✓ Processing, Production and Remanufacturing
 - ✓ Recycling and Re-use of End-of-Life Products
 - ✓ Cross-cutting topics
- launched in November 2019
 - Czech national rules: Technology Agency CR

Cofund on Aquatic pollutants (consortium of partners from JPI Water, Oceans and Antimicrobial Resistance)

Joint call will be announced in early 2020

Czech national rules: Technology Agency CR

EC INFORMATION DAY

- 16-17 September 2019
 - Brussels
 - Information sessions + matchmaking (234 participants registered for the networking)
 - Infoday is webstreamed and recordings will be available after the event: <https://h2020-sc5-info-day.b2match.io/>
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INFORMATION SOURCES

H2020 webpage administrated by TC CAS

<http://www.h2020.cz>

- News, events, Newsletter subscription, publications, presentations, analysis

Funding & tender opportunities Portal

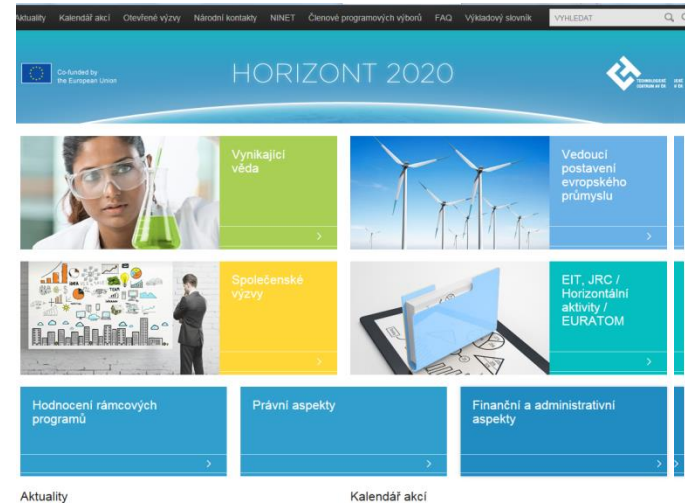
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

- Entry point for electronic administration of proposals and projects

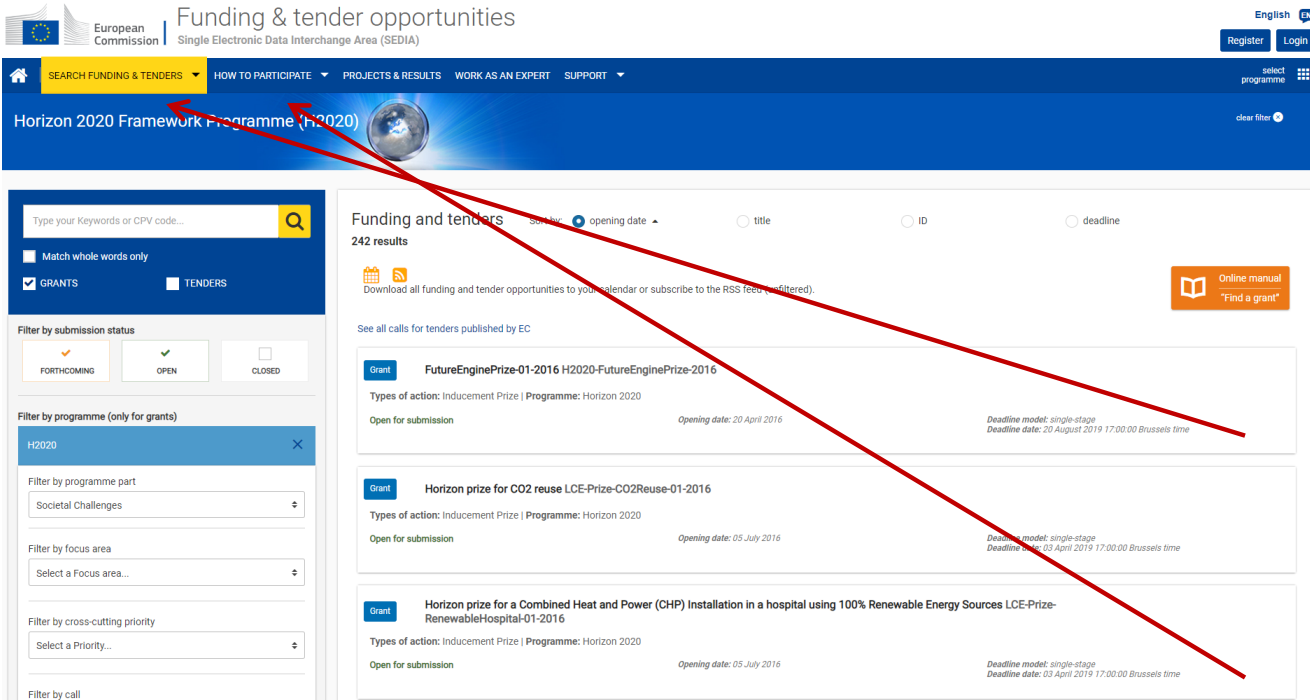
CORDIS

<http://cordis.europa.eu/projects/>

- Funded projects, partner searches



MORE ON FUNDING & TENDER OPPORTUNITIES



European Commission | Funding & tender opportunities | Single Electronic Data Interchange Area (SEDIA)

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SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

Horizon 2020 Framework Programme (H2020)

Type your Keywords or CPV code... [Search]

Match whole words only

GRANTS TENDERS

Filter by submission status

FORTHCOMING OPEN CLOSED

Filter by programme (only for grants)

H2020

Filter by programme part

Societal Challenges

Filter by focus area

Select a Focus area...

Filter by cross-cutting priority

Select a Priority...

Filter by call

Funding and tenders | Sort by: opening date | title | ID | deadline

242 results

Download all funding and tender opportunities to your calendar or subscribe to the RSS feed (filtered).

Online manual "Find a grant"

See all calls for tenders published by EC

Grant	Types of action	Opening date	Deadline
FutureEnginePrize-01-2016 H2020-FutureEnginePrize-2016	Inducement Prize Programme: Horizon 2020	20 April 2016	single-stage 20 August 2019 17:00:00 Brussels time
Horizon prize for CO2 reuse LCE-Prize-CO2Reuse-01-2016	Inducement Prize Programme: Horizon 2020	05 July 2016	single-stage 03 April 2019 17:00:00 Brussels time
Horizon prize for a Combined Heat and Power (CHP) Installation in a hospital using 100% Renewable Energy Sources LCE-Prize-RenewableHospital-01-2016	Inducement Prize Programme: Horizon 2020	05 July 2016	single-stage 03 April 2019 17:00:00 Brussels time

For example:

➤ **Search Funding and Tenders**

*Calls
Search Topics*

➤ **How to Participate**
Reference Documents

Work Programmes

Proposal template

Model grant agreement

H2020 online manual

Any questions?



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