



#InvestEUresearch

Horizon 2020 Work Programme for Research & Innovation 2018-2020

*Cooperation on R&I to address
Societal Challenges*

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Research and
Innovation

Horizon 2020





Excellent Science

- **European Research Council**
 - Frontier research by the best individual teams
- **Future and Emerging Technologies**
 - Collaborative research to open new fields of innovation
- **Marie Skłodowska Curie actions**
 - Opportunities for training and career development
- **Research infrastructures (including e-infrastructure)**
 - Ensuring access to world-class facilities

Industrial Technologies

- **Leadership in enabling and industrial technologies**
 - ICT, nanotechnologies, materials, biotechnology, manufacturing, space
- **Access to risk finance**
 - Leveraging private finance and venture capital for research and innovation
- **Innovation in SMEs**
 - Fostering all forms of innovation in all types of SMEs

Societal Challenges

- **Health, demographic change and wellbeing**
- **Food security, sustainable agriculture, marine and maritime research & the bio-economy**
- **Secure, clean and efficient energy**
- **Smart, green and integrated transport**
- **Climate action, resource efficiency and raw materials**
- **Inclusive, innovative and reflective societies**
- **Security society**

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)



Collaboration on Societal challenges (7)



Types of Actions

- **RIA – Research & Innovation Action**

Funding for research projects tackling clearly defined challenges, which can lead to the development of new knowledge or a new technology.

Funding rate: 100% of eligible costs

- **IA – Innovation Action**

Funding is more focused on closer-to-the-market activities. For example, prototyping, testing, demonstrating, piloting, scaling-up etc. if they aim at producing new or improved products or services.

✓ Prototyping, Testing, Demonstrating, Piloting ..

✓ May include limited R&D Activities

Funding rate: 70% of eligible costs (except for non-profit legal entities, where a rate of 100% applies)

- **CSA – Coordination Support Action (no R&D)**

Funding covers the coordination and networking of research and innovation projects, programmes and policies. Funding for research and innovation per se is covered elsewhere.

Funding rate: 100% of eligible costs



Examples of Calls

Highly Encouraged International Participation (1/4)

Health

- SC1-BHC-11-2020 : Advancing the safety assessment of chemicals without the use of animal testing. **Deadline date: 07 April 2020 (RIA)**
- SC1-BHC-17-2020: Global Alliance for Chronic Diseases (GACD) - Prevention and/or early diagnosis of cancer. **Deadline date: 07 April 2020 (RIA)**
- SC1-BHC-34-2020: New approaches for clinical management and prevention of resistant bacterial infections in high prevalence settings. **Deadline date: 07 April 2020 (RIA)**
- SC1-DTH-04-2020: International cooperation in smart living environments for ageing people. **Deadline date: 22 April 2020 (RIA)**





Examples of Calls

Highly Encouraged International Participation (2/4)

Bioeconomy

- BG-07-2019-2020: The Future of Seas and Oceans Flagship Initiative. **Deadline date: 22 January 2020 (IA)**
- FNR-03-2020: A comprehensive vision for urban agriculture. **Deadline date: 22 January 2020 (CSA)**
- FNR-11-2020: Prospecting aquatic and terrestrial natural biological resources for biologically active compounds. **Deadline date: 22 January 2020 (RIA)**
- FNR-18-2020: Sustainability of bio-based products – international governance aspects and market update. **Deadline date: 22 January 2020 (CSA)**
- SFS-05-2018-2019-2020: New and emerging risks to plant health. **Deadline date: 22 January 2020 (RIA)**



Examples of Calls

Highly Encouraged International Participation (3/4)

Climate Change

- CE-SC5-07-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes. **Deadline date: 05 February 2020 (IA)**
- LC-CLA-17-2020: Polar climate: understanding the polar processes in a global context in the Arctic and Antarctic Regions. **Deadline date: 13 February 2020 (RIA)**
- SC5-10-2019-2020: Raw materials innovation actions: exploration and Earth observation in support of sustainable mining. **Deadline date: 13 February 2020 (IA)**
- SC5-27-2020: Strengthening international collaboration: enhanced natural treatment solutions for water security and ecological quality in cities. **Deadline date: 13 February 2020 1 (RIA)**



Examples of Calls Highly Encouraged International Participation (4/4)

Energy

- LC-SC3-ES-3-2018-2020: Integrated local energy systems (Energy islands).
Deadline date: 29 January 2020 (IA)
- LC-SC3-RES-1-2019-2020: Developing the next generation of renewable energy technologies. **Deadline date: 1 April 2020 (RIA)**
- LC-SC3-RES-37-2020. Combined clean biofuel production and phytoremediation solutions from contaminated lands worldwide **Deadline date: 21 April 2020 (RIA)**
- LC-SC3-CC-1-2018-2019-2020. Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition. **Deadline date: 01 September 2020 (RIA)**



EU-Sri Lanka Cooperation performance In Societal Challenges Statistics (15/10/2019)

Legal Name	Country	City	H2020 Participations	H2020 Net EU Contribution
Totals			6	€ 1.143.359
INTERNATIONAL WATER MANAGEMENT INSTITUTE IWMI	LK - Sri Lanka	COLOMBO	2	€ 760.821
UNIVERSITY OF COLOMBO	LK - Sri Lanka	COLOMBO WESTERN PROVINCE	1	€ 155.550
UNIVERSITY OF KELANIYA	LK - Sri Lanka	KELANIYA	1	€ 121.238
INSTITUTE FOR HEALTH POLICY	LK - Sri Lanka	COLOMBO	1	€ 105.750
UNIVERSITY OF PERADENIYA	LK - Sri Lanka	PERADENIYA	1	€ 0



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Participant Portal

<http://ec.europa.eu/research/participants/portal/>

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