Uddannelses- og Forskningsministeriet

Styrelsen for Forskning og Uddannelse

Transport Horizon 2020

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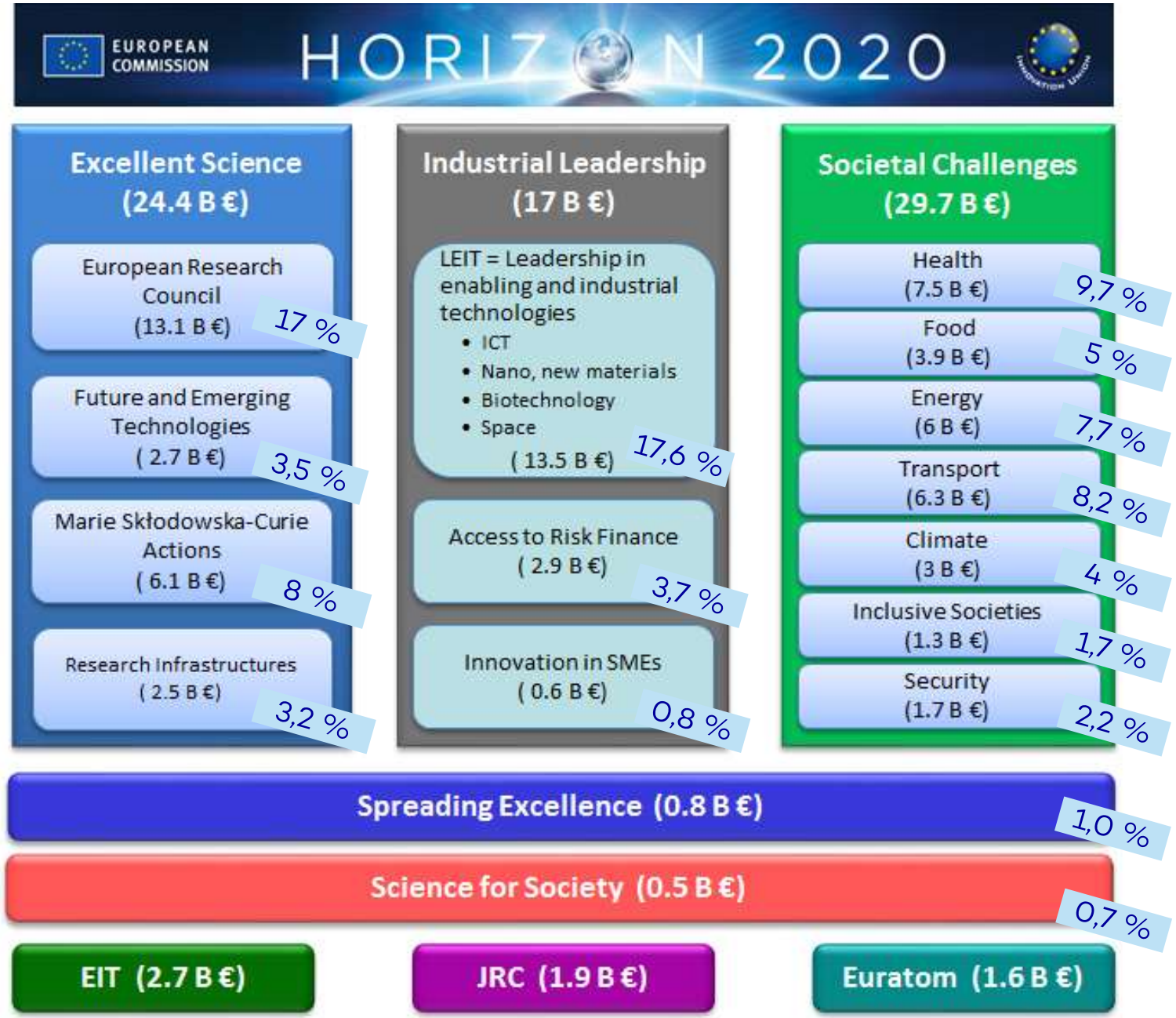
Horizon 2020 funds the best ideas within research and innovation

The mission:

- Drive economic growth and create jobs in the EU
- Address major societal challenges
- Secure a highly competitive EU
- Improve quality of life for EU citizens

Structure 2014-2020



Budget:
close to €80 billion

Transport i Horizon 2020

"This Challenge aims to boost the competitiveness of the European transport industries and achieve a European transport system that is resource-efficient, climate-and-environmentally-friendly, safe and seamless for the benefit of all citizens, the economy and society".

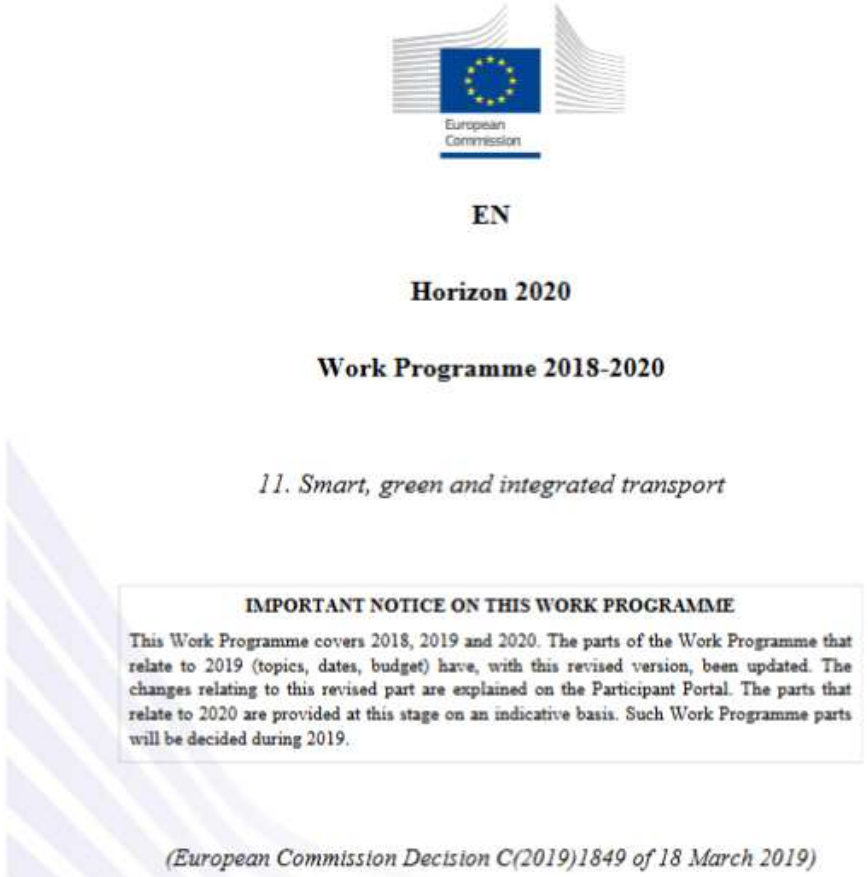
Funding € million (2014-2020)

Health, demographic change and wellbeing	**7 472**
Food security, sustainable agriculture, marine and maritime research & the Bioeconomy	**3 851**
Secure, clean and efficient energy *	**5 931**
Smart, green and integrated transport	**6 339**
Climate action, resource efficiency and raw materials	**3 081**
Inclusive and reflective societies	**1 309**
Secure societies	**1 695**
Science with and for society	*462*
Spreading excellence and widening participation	*816*

Work programme 2018-2020

Focusing on:

- resource efficient transport that respects the environment
- better mobility, less congestion, more safety and security
- global leadership for the European transport industry
- socio-economic and behavioural research and forward looking activities for policy making



European Commission

EN

Horizon 2020

Work Programme 2018-2020

11. Smart, green and integrated transport

IMPORTANT NOTICE ON THIS WORK PROGRAMME

This Work Programme covers 2018, 2019 and 2020. The parts of the Work Programme that relate to 2019 (topics, dates, budget) have, with this revised version, been updated. The changes relating to this revised part are explained on the Participant Portal. The parts that relate to 2020 are provided at this stage on an indicative basis. Such Work Programme parts will be decided during 2019.

(European Commission Decision C(2019)1849 of 18 March 2019)

Full work programme at: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home

Calls (and topics) 2018-2020

1. Mobility for Growth

- Aviation
- Waterborne
- Safety
- Urban Mobility
- Logistics
- Intelligent Transport Systems
- Infrastructure
- Socio-economic and behavioural research and forward looking activities for policy making

2. Automated Road Transport

3. Green Vehicles

Blue growth

Topics in 2020 – a few examples

Will be published 28 June 2019

Decarbonising long distance shipping (€5-10 million)

- Development of innovative solutions to decarbonise shipping
- Establishment of robust benchmarks and methods which will provide wide confidence of the "real world" impacts from any specific GHG reduction measure including potential scalability and any secondary environmental impacts
- Improve the competitiveness of European maritime industries and shipping companies within the field of green shipping
- Increase the awareness and take up by end users
- Provide evidence to policy makers concerning infrastructure requirements necessary to meet the 2050 decarbonisations target.

Topics in 2020 – a few examples

Will be published 28 June 2019

Network and traffic management for future mobility (€4-5 million)

- Accelerate the transition towards connected and automated mobility
- Facilitate the integration of transport modes into a multimodal network (passengers and freight)
- Reduce capacity bottlenecks and traffic jams
- Improve safety and security in all transport modes and reduce the cost of mobility for all (incl. industry, public authorities and citizens).

Topics in 2020 – a few examples

Will be published 28 June 2019

The effects of automation on the transport labour force, future working conditions and skills requirements (€2-2.5 million)

- Demonstrate the expected impacts of automation and connectivity in all modes of transport on the labour market as a whole
- Inform, mobilise and engage all relevant European stakeholders, including the European, national and regional social partners and EU Member States, in an active dialogue on the socio-economic effects of automation on the present and future transportation workforce
- Minimise any potential negative effects of automation on the transport labour force
- Demonstrate the potential to achieve at least an overall neutral impact of automation for the entire society and economy.

Topics in 2020 – a few examples

Will be published 28 June 2019

Improved Production and Maintenance Processes in Shipyards (€4-6 million)

- The development of innovative technologies and systems to enhance the competitiveness of production and maintenance processes within European shipbuilders and ship yards
- Identification of the necessary related skills development needs and strategies to address these in order to maximise value from technologies and practices
- Testing and physical demonstration of the developed technologies to at least TRL 5
- Development of business plans and roll out strategies
- IPR or other measures to reduce leakage of the developed innovations outside of Europe.

Topics in 2020 – a few examples

Will be published 28 June 2019

Digitalisation of the transport system: data sharing (€2-3 million)

- Optimal use of the available data is indispensable in order to advance towards an intelligent transport system that reduces congestion, environmental impact and increases safety
- Provide a comparative analysis of the transportation data regulation across all transport modes in the EU
- Propose standards for transport data sharing
- Consider commercial and competitive risks of data sharing on an international scale as well as the potential for the EU to set global standards for data sharing

Topics in 2020 – a few examples

Will be published 28 June 2019

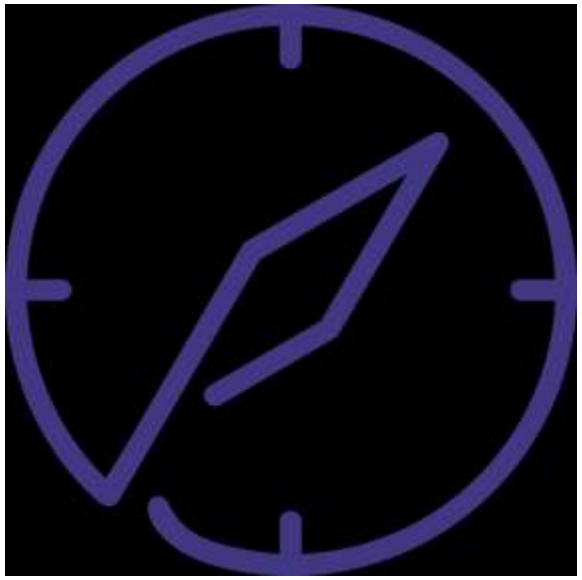
Under water noise mitigation and environmental impact – Blue Growth (up to €8 million)

- Underwater noise from shipping and boats impacts upon the behaviour and health of water organisms in rivers and at sea
- Develop standardised methods to measure and assess the impacts from underwater noise generated by shipping and boats
- Establish stakeholder group to support methodology and standards development as well as its wide spread take up.
- Propose the most effective feasible solutions to mitigate the effects of underwater noise and to establish appropriate limits.

Deadlines 2020

- For single stage applications:
  - 21 April

- For two-stage applications:
  - First stage: 9 January
  - Second stage: 8 September



Action types

Research and Innovation Actions/Projects (RIA)
Innovation Actions/Projects (IA)

Consortia:
Min. 3 legal entities from 3 different EU countries or associated countries

Funding:
€ 3-10 million (some topics up to 20 million euro)

Time to grant:
8 months (5 + 3)

Duration:
Typically 3-5 years

Coordination and Support Actions/Projects (CSA)

Consortia:
Min. 1 legal entity (some topics require 3 legal entities)

Funding
€ 0.5 – 1.5 million

Time to grant
8 months (5 + 3)

Duration:
Typically 1-2 years

Funding rates for actions types

Research and Innovation Actions/Projects

- 100% of all direct project-related costs
- 25% co-financing of indirect costs (overhead)

Innovation Actions/Projects

- 70% of all direct project-related costs
- (100% for non-profit organisations)
- 25% co-financing of indirect costs (overhead)

Coordination and Support Actions/Projects

- 100% of all direct project-related costs
- 25% co-financing of indirect costs (overhead)

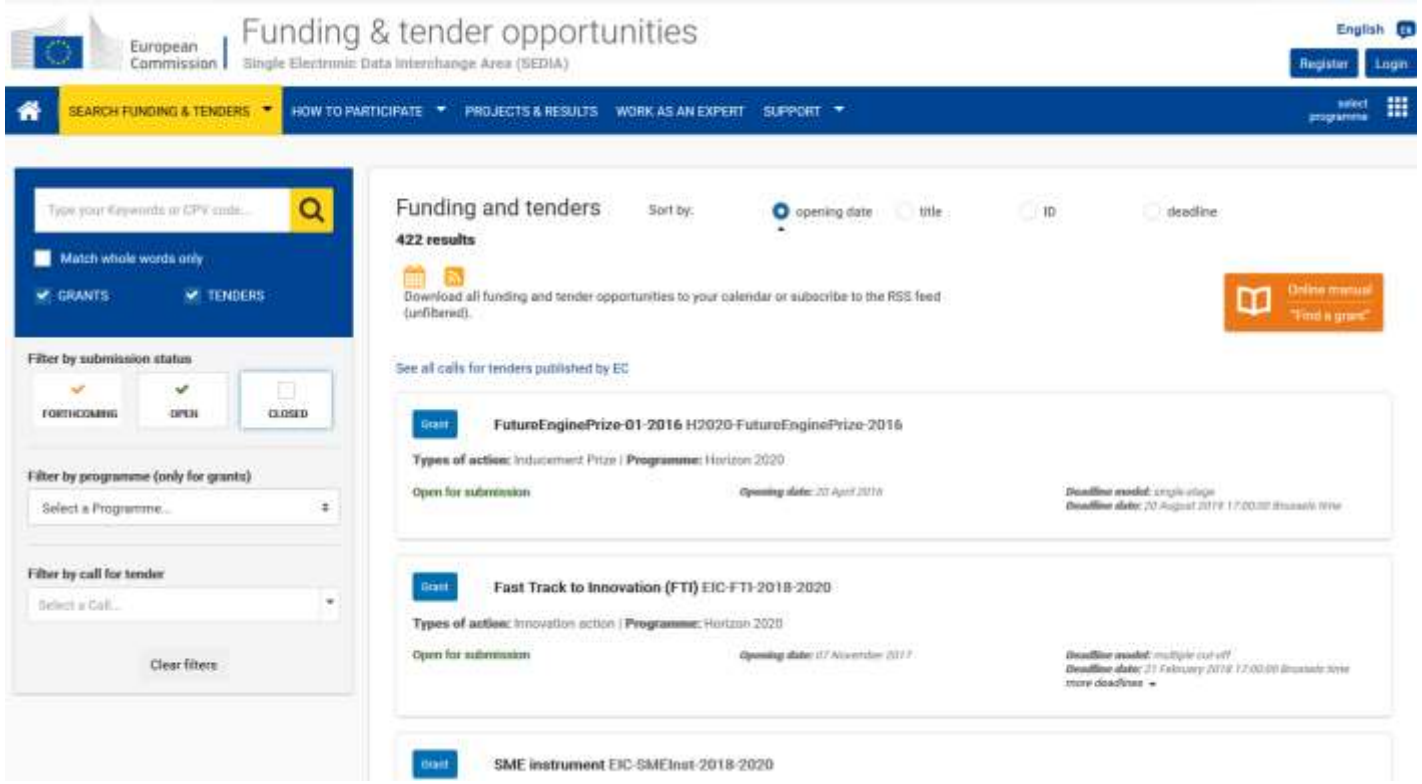
Funding and tenders portal

Search via keywords

'How to participate' – online manual

Apply online

All communication with the Commission during the projet period



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