

Programming Period: 2014 to 2020

Instrument/Program level: European

Name of the instrument/Program: HORIZON 2020

Instrument/Program application areas: Industrial leadership

Instrument/Program website: <https://ec.europa.eu/programmes/horizon2020/en>

Instrument/Program eligible areas: BELGIUM; CZECH REPUBLIC; DANMARK; GERMANY; EESTI; IRELAND; SPAIN; FRANCE; CROATIA; ITALY; LATVIA; LITHUANIA; LUXEMBOURG; HUNGARY; MALTA; NETHERLANDS; AUSTRIA; POLAND; PORTUGAL; ROMANIA; SWITZERLAND; SLOVENIA; SLOVAKIA; FINLAND; SWEDEN; UNITED KINGDOM; GREECE; CYPRUS; BULGARIA

Managing authority:

Directorate-General for Research and Innovation European Commission

Objectives:

a. Boosting Europe's industrial leadership through research, technological development, demonstration and innovation in the following enabling and industrial technologies:

(i) information and communication technologies ("ICT");

(ii) nanotechnologies;

(iii) advanced materials;

(iv) biotechnology;

(v) advanced manufacturing and processing;

(vi) space;

b. Enhancing access to risk finance for investing in research and innovation; c. Increasing innovation in SMEs.

Eligible thematics in line with ERC sectors: Life Sciences; Physical Sciences and Engineering; Social Sciences and Humanities

Eligible thematics in line with S3: Advanced Manufacturing; Aerospace, Aeronautics and Space; Agrifood processing; Alpine activities & technologies; Automotive; Bio-processes of biomasses; Blue growth; Chemicals; City development; Climate Change Mitigation; Cloud computing, e-tourism, smart mobility systems; Cultural & creative industries; Eco-efficient factory; Efficient production technologies, automation & intelligent materials; Entrepreneurship & Growth of young companies;

Environmental Governance & Information; Environmental technologies, renewable energies & resource efficiency; Food & nutrition (ingredients and modification of food, materials, smart packaging, food quality, quality assurance, food production technologies); Green & Clean energy & technologies; ICTs (Digital technologies & user-friendly systems); KETs; Life Science & Biotechnology; Logistic; Maritime technologies; Mechatronics; Nature & Biodiversity; New and intelligent materials, nano and microtechnology; New Technologies for mountain agriculture; Open data (including PA), GIS, e-learning, Cloud computing, e-tourism, smart mobility systems; Photonics; Public health & security (e-Health); Renewable energies & resource efficiency; Robotics; Secure technologies; Smart & energy-efficient buildings; Smart manufacturing and related services; Specialised production for an excellent mountain; Sustainable energy & renewables; Sustainable innovation & infrastructure; Sustainable Living & mobility

Action typologies: Foster cooperation and clustering between projects and monitor technology advances and developments in the specific field; Cross-cutting actions to develop jointly new knowledge, future and emerging technologies, research infrastructures and key competences; Support to pre-standardisation, pre-commercial procurement, standardisation and other user-centered measures to help the deployment of innovative products and services into the market; Provide innovative solutions for addressing societal needs and expectations in particular for the health and well-being, safety and security and environment; Operate close to the end-users and the market, piloting or proof-of-concept; Communicate and demonstrate the benefits and potential of miniaturised smart systems integration to users, public procurers, investors, regulators; Strengthen the networking and cooperation between the industrial smart systems integration stakeholder community in Europe and support to international collaboration; Support the industrial smart systems integration stakeholder community by translating industry needs into Strategic R&I Agendas (e.g. policy initiatives, skills development, etc.)

Beneficiaries: Local public authority; Regional public authority; National public authority; Sectorial agency; Infrastructure and (public) service provider; Interest groups including NGOs; Higher education and research; Education/training centre and school; Start up; Large enterprise, enterprise excluding SME; SME; Business support organisation; EGTC; General public; International organization, EEIG under national law

Status of the eligible institutions: Public; Private; Public equivalent body; International organisation

Programme contribution maximum: 70%

Programme Budget: 19 399 000 000,00 €

Project duration maximum: 36 months

Funded projects under this

Program: <https://ec.europa.eu/programmes/horizon2020/en/h2020-sections-projects>



Events organized by this

Program: <https://ec.europa.eu/programmes/horizon2020/en/newsroom>