

Regulation (EU) No 1291/2013 of the European Parliament and of the Council of 11 December 2013 establishing Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) and repealing Decision No 1982/2006/EC (Text with EEA relevance) (revoked)

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Changes to legislation: There are currently no known outstanding effects for the Regulation (EU) No 1291/2013 of the European Parliament and of the Council. (See end of Document for details)

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ANNEX I

Broad lines of the specific objectives and activities

Cross-cutting issues and support measures in Horizon 2020

Social sciences and humanities

Science and society

Gender

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SMEs

Fast Track to Innovation (FTI)

Widening participation

International Cooperation

Sustainable development and climate change

Bridging from discovery to market application

Cross-cutting support measures

PART I.

PRIORITY 'Excellent science'

PART II.

PRIORITY 'Industrial leadership'

PART III.

PRIORITY 'Societal challenges'

PART IV.

SPECIFIC OBJECTIVE 'SPREADING
EXCELLENCE AND WIDENING PARTICIPATION'

PART V.

SPECIFIC OBJECTIVE 'SCIENCE WITH AND FOR SOCIETY'

PART VI.

NON-NUCLEAR DIRECT ACTIONS OF THE JOINT RESEARCH CENTRE (JRC)

PART VII.

THE EUROPEAN INSTITUTE OF INNOVATION AND TECHNOLOGY (EIT)

PART I

EXCELLENT SCIENCE

1. European Research Council (ERC)
 - 1.1. Specific objective

- 1.2. Rationale and Union added value
- 1.3. Broad lines of the activities
- 2. Future and Emerging Technologies (FET)
 - 2.1. Specific objective
 - 2.2. Rationale and Union added value
 - 2.3. Broad lines of activities
- 3. Marie Skłodowska-Curie Actions
 - 3.1. Specific objective
 - 3.2. Rationale and Union added value
 - 3.3. Broad lines of activities
 - (a) Fostering new skills by means of excellent initial training of...
 - (b) Nurturing excellence by means of cross-border and cross-sector mobility
 - (c) Stimulating innovation by means of cross-fertilisation of knowledge
 - (d) Increasing the structural impact by co-funding the activities
 - (e) Specific support and policy action
- 4. Research Infrastructures
 - 4.1. Specific objective
 - 4.2. Rationale and Union added value
 - 4.3. Broad lines of the activities
 - (a) Developing the European research infrastructures for 2020 and beyond
 - (b) Fostering the innovation potential of research infrastructures and their human...
 - (c) Reinforcing European research infrastructure policy and international cooperation

PART II

INDUSTRIAL LEADERSHIP

- 1. Leadership in enabling and industrial technologies
 - Complementarities with other activities in Horizon 2020
 - A common approach
 - An integrated approach to Key Enabling Technologies
 - Partnering and added value
 - Europe can achieve critical mass through partnering, clusters and networks,...
 - 1.1. Information and Communication Technologies (ICT)
 - 1.1.1. Specific objective for ICT
 - 1.1.2. Rationale and Union added value
 - 1.1.3. Broad lines of the activities
 - 1.2. Nanotechnologies
 - 1.2.1. Specific objective for nanotechnologies
 - 1.2.2. Rationale and Union added value
 - 1.2.3. Broad lines of the activities
 - (a) Developing next generation nanomaterials, nanodevices and nanosystems

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- (b) Ensuring the safe and sustainable development and application of nanotechnologies...
 - (c) Developing the societal dimension of nanotechnology
 - (d) Efficient and sustainable synthesis and manufacturing of nanomaterials, components and...
 - (e) Developing and standardisation of capacity-enhancing techniques, measuring methods and equipment...
 - 1.3. Advanced materials
 - 1.3.1. Specific objective for advanced materials
 - 1.3.2. Rationale and Union added value
 - 1.3.3. Broad lines of the activities
 - (a) Cross-cutting and enabling materials technologies
 - (b) Materials development and transformation
 - (c) Management of materials components
 - (d) Materials for a sustainable, resource-efficient and low emission industry
 - (e) Materials for creative industries, including heritage
 - (f) Metrology, characterisation, standardisation and quality control
 - (g) Optimisation of the use of materials
 - 1.4. Biotechnology
 - 1.4.1. Specific objective for biotechnology
 - 1.4.2. Rationale and Union added value
 - 1.4.3. Broad lines of the activities
 - (a) Boosting cutting-edge biotechnologies as a future innovation driver
 - (b) Biotechnology-based industrial products and processes
 - (c) Innovative and competitive platform technologies
 - 1.5. Advanced manufacturing and processing
 - 1.5.1. Specific objective
 - 1.5.2. Rationale and Union added value
 - 1.5.3. Broad lines of the activities
 - (a) Technologies for Factories of the Future
 - (b) Technologies enabling energy-efficient systems and energy-efficient buildings with a low...
 - (c) Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries
 - (d) New sustainable business models
 - 1.6. Space
 - 1.6.1. Specific objective for space
 - 1.6.2. Rationale and Union added value
 - 1.6.3. Broad lines of the activities
 - (a) Enabling European competitiveness, non-dependence and innovation of the European space...
 - (b) Enabling advances in space technologies
 - (c) Enabling exploitation of space data
 - (d) Enabling European research in support of international space partnerships
 - 2. Access to risk finance
 - 2.1. Specific objective
 - 2.2. Rationale and Union added value
 - 2.3. Broad lines of the activities

- (a) The Debt facility providing debt finance for R&I: 'Union loan...
 - (b) The Equity facility providing equity finance for R&I: 'Union equity...
3. Innovation In SMEs
- 3.1. Specific objective
 - 3.2. Rationale and Union added value
 - 3.3. Broad lines of the activities
 - (a) Mainstreaming SME support especially through a dedicated instrument
 - (b) Support for research-intensive SMEs
 - (c) Enhancing the innovation capacity of SMEs
 - (d) Supporting market-driven innovation

PART III

SOCIETAL CHALLENGES

- 1. Health, demographic change and well-being
 - 1.1. Specific objective
 - 1.2. Rationale and Union added value
 - 1.3. Broad lines of the activities
- 2. Food security, sustainable agriculture and forestry, marine, maritime and inland...
 - 2.1. Specific objective
 - 2.2. Rationale and Union added value
 - 2.3. Broad lines of activities
 - (a) Sustainable agriculture and forestry
 - (b) Sustainable and competitive agri-food sector for a safe and healthy...
 - (c) Unlocking the potential of aquatic living resources
 - (d) Sustainable and competitive bio-based industries and supporting the development of...
 - (e) Cross-cutting marine and maritime research
- 3. Secure, clean and efficient energy
 - 3.1. Specific objective
 - 3.2. Rationale and Union added value
 - 3.3. Broad lines of the activities
 - (a) Reducing energy consumption and carbon footprint by smart and sustainable...
 - (b) Low-cost, low-carbon electricity supply
 - (c) Alternative fuels and mobile energy sources
 - (d) A single, smart European electricity grid
 - (e) New knowledge and technologies
 - (f) Robust decision making and public engagement
 - (g) Market uptake of energy innovation - building on Intelligent Energy...
- 4. Smart, Green And Integrated Transport
 - 4.1. Specific objective
 - 4.2. Rationale and Union added value
 - 4.3. Broad lines of the activities
 - (a) Resource-efficient transport that respects the environment
 - (b) Better mobility, less congestion, more safety and security
 - (c) Global leadership for the European transport industry

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- (d) Socio-economic and behavioural research and forward-looking activities for policy making...
5. Climate action, Environment, Resource Efficiency and Raw Materials
- 5.1. Specific objective
 - 5.2. Rationale and Union added value
 - 5.3. Broad lines of the activities
 - (a) Fighting and adapting to climate change
 - (b) Protecting the environment, sustainably managing natural resources, water, biodiversity and...
 - (c) Ensuring the sustainable supply of non-energy and non-agricultural raw materials...
 - (d) Enabling the transition towards a green economy and society through...
 - (e) Developing comprehensive and sustained global environmental observation and information systems...
 - (f) Cultural heritage
6. Europe In A Changing World - Inclusive, Innovative And Reflective...
- 6.1. Specific objective
 - 6.2. Rationale and Union added value
 - 6.3. Broad lines of activities
 - 6.3.1. Inclusive societies
 - 6.3.2. Innovative societies
 - 6.3.3. Reflective societies - cultural heritage and European identity
7. Secure Societies - Protecting Freedom And Security Of Europe And...
- 7.1. Specific objective
 - 7.2. Rationale and Union added value
 - 7.3. Broad lines of activities

PART IV

SPREADING EXCELLENCE AND WIDENING PARTICIPATION

- 1. Specific objective
- 2. Rationale and Union added value
- 3. Broad lines of the activities

PART V

SCIENCE WITH AND FOR SOCIETY

- 1. Specific objective
- 2. Rationale and Union added value
- 3. Broad lines of activities

PART VI

NON-NUCLEAR DIRECT ACTIONS OF THE JOINT RESEARCH CENTRE (JRC)

1. Specific objective
2. Rationale and Union added value
3. Broad lines of activities
 - 3.1. Excellent science
 - 3.2. Industrial leadership
 - 3.3. Societal challenges
 - (a) Health, demographic change and well-being
 - (b) Food security, sustainable agriculture and forestry, marine, maritime and inland...
 - (c) Secure, clean and efficient energy
 - (d) Smart, green and integrated transport
 - (e) Climate action, environment, resource efficiency and raw materials
 - (f) Europe in a changing world - Inclusive, innovative and reflective...
 - (g) Secure societies - Protecting freedom and security of Europe and...

PART VII

THE EUROPEAN INSTITUTE OF INNOVATION AND TECHNOLOGY (EIT)

1. Specific objective
2. Rationale and Union added value
 - Integrating education and entrepreneurship with research and innovation
 - Business logic and a results-oriented approach
 - Overcoming fragmentation with the aid of long-term integrated partnerships
 - Nurturing Europe's main innovation asset: its highly talented people
3. Broad lines of the activities
 - (a) Transferring and applying higher education, research and innovation activities for...
 - (b) Cutting-edge and innovation-driven research in areas of key economic and...
 - (c) Development of talented, skilled and entrepreneurial people with the aid...
 - (d) Dissemination of best practice and systemic knowledge-sharing
 - (e) International dimension
 - (f) Enhancing European wide impact through an innovative funding model
 - (g) Linking regional development to European opportunities

ANNEX II

Breakdown of the budget

The indicative breakdown for Horizon 2020 is as follows,
subject...

Including EUR 7 423 million for Information and
Communication Technologies...

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