

19th May 2016 | Conference on the “European Approach
to Standardization for a Digital Market”

HORIZON 2020

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

“Funding opportunities in Horizon 2020”

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Topics

- What is “Horizon 2020”
- Horizon 2020 priorities
- Standardization in Horizon 2020
- EKT – National Contact Point (NCP) for Horizon 2020



Horizon 2020: Overall objectives

HORIZON 2020

Responding to the economic crisis by investing in future jobs and growth

Strengthening the EU's global position in research, innovation and technology

Addressing people's concerns about their livelihoods, safety and environment

Contributing to sustainable development (at least 35% of the overall budget)

Supporting EU policies (e.g. Europe 2020 / Energy Union)

<http://ec.europa.eu/research/horizon2020>

Horizon 2020 Programme

- A single programme bringing together three separate programmes/initiatives:
 - The 7th Research Framework Programme (FP7)
 - Innovation aspects of Competitiveness & Innovation Framework Programme (CIP)
 - EU contribution to the European Institute of Innovation and Technology (EIT)
- Focus on societal challenges facing EU society, e.g. health, clean energy and transport
- Strong focus on SMEs (20% of total budget for societal challenges)
- Simplified access for all companies, universities, institutes in all EU countries and beyond

<http://ec.europa.eu/research/horizon2020>



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Horizon 2020

Three priorities



Horizon 2020: three priorities

- **Excellence Science:**

High-level scientific research & world-class research infrastructure in order to attract the best scientists of the EU in the world

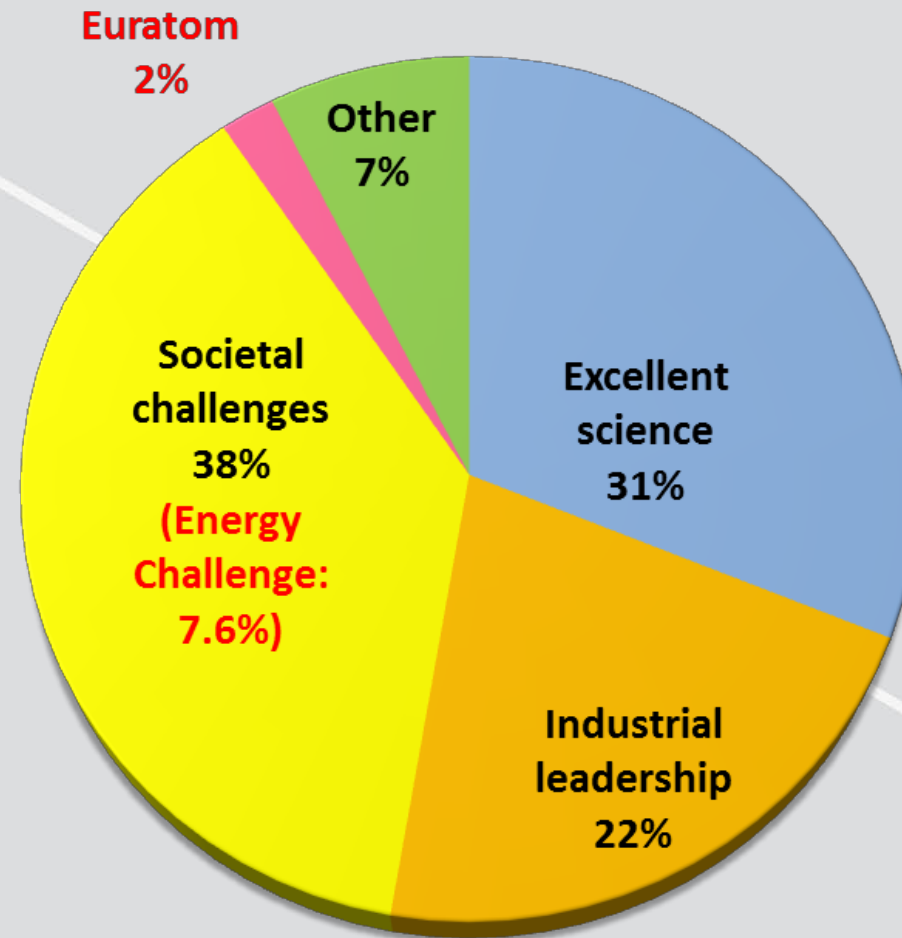
- **Industrial Leadership:**

Strategic funding in key-enabling technologies to attract private investment in research and innovation (*i.e. ICT, nanotechnologies, materials, biotechnology, manufacturing, space*)

- **Societal Challenges:**

Addressing key societal challenges (climate, environment, energy, transport etc) through multi-disciplinary applied research including social sciences & humanities

~ € 80 billion from 2014 to 2020



Excellent Science: Funding (€ million, 2014-2020)

<p><i>European Research Council (ERC)</i> Frontier research by the best individual teams</p>	13 095
<p><i>Future and Emerging Technologies</i> Collaborative research to open new fields of innovation</p>	2 696
<p><i>Marie Skłodowska-Curie actions (MSCA)</i> Opportunities for training and career development</p>	6 162
<p><i>Research infrastructures (including e-infrastructure)</i> Ensuring access to world-class facilities</p>	2 488

Industrial leadership: Funding (€ million, 2014-2020)

<p><i>Leadership in enabling and industrial technologies (LEITs)</i> (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)</p>	<p>13 557</p>
<p><i>Access to risk finance</i> Leveraging private finance and venture capital for research and innovation</p>	<p>2 842</p>
<p><i>Innovation in SMEs</i> Fostering all forms of innovation in all types of SMEs</p>	<p>616 + complemented by expected 20% of budget of societal challenges + LEITs & 'Access to risk finance' with strong SME focus</p>

Societal Challenges: Funding (€ million, 2014-2020)

Health, demographic change and wellbeing	7 472
Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bioeconomy	3 851
Secure, clean and efficient energy *	5 931
Smart, green and integrated transport	6 339
Climate action, environment, resource efficiency and raw materials	3 081
Inclusive, innovative and reflective societies	1 310
Secure societies	1 695
<i>Science with and for society</i>	<i>462</i>
<i>Spreading excellence and widening participation</i>	<i>816</i>

*Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

Type of actions

Research and Innovation Actions (RIA):

Innovation Actions (IA)

Coordination and Support Actions (CSA)

**Other actions: ERC, Marie Skłodowska-Curie,
SME Instrument, Fast track to innovation**

Type of actions

- **RIA:** funding for research projects tackling clearly defined challenges, which can lead to the development of new knowledge or a new technology
- **IA:** 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
- **CSA:** funding covers the coordination and networking of research and innovation projects, programmes and policies

Standardization in Horizon 2020

- Standardization is identified in Horizon 2020 as one of the innovation-support measures.
- Standardization can help bridge the gap between research and the market, by enabling the fast and easy transfer of research results to the European and international market.
- The growing relevance of standardization in the context of research projects is demonstrated by the growing number of call topics in which a reference to standardization is made.



Need for standards in Horizon 2020 proposals

IF...

- Your results have a potential European or international market application
- You intend to bring your research results to the market
- Your research results need to be compatible and interoperable with products, systems or services already on the market
- You need to ensure reliability and comparability of your research activities or results
- You would like to display some kind of mark of product or process quality
- Any of the products or processes arising from your project are of interest for public procurement
- You need to reassure consumers and others regarding the safety of your innovation

Include standardization in your project proposal

- In order to ensure the greatest impact, standardization has to be included in your project from the proposal stage
- Screen existing standards
- Contribute to ongoing standardization activities
- Develop new standardization activities
- Involve the right standardization partner
- Include a task to analyse which standards are needed
- Include a task to define a standardization roadmap or strategy

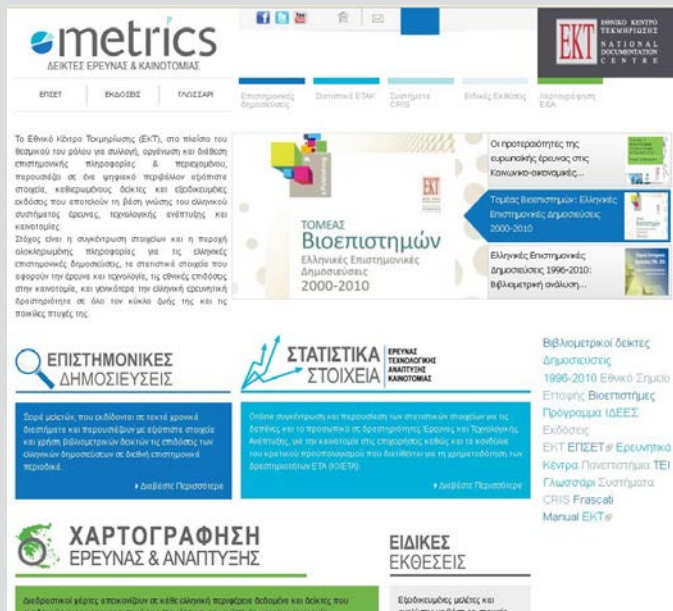
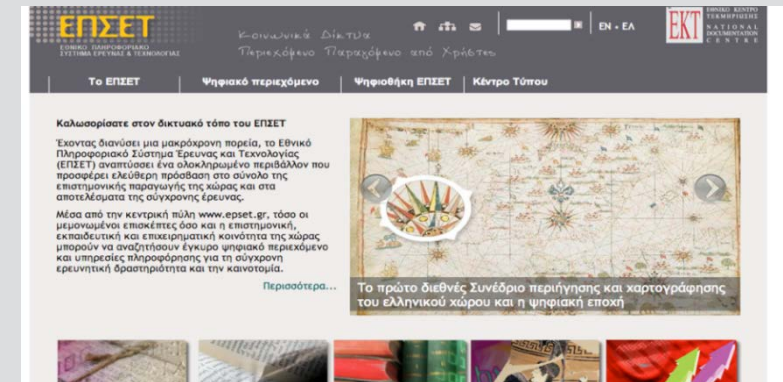
Open and forthcoming calls on standardization

Topic	Opening date	Deadline
Open (all sectors)		
<u>DS-05-2016: EU Cooperation and International Dialogues in Cybersecurity and Privacy Research and Innovation</u>	15 March 2016	25 August 2016
<u>SEC-19-BES-2016: Data fusion for maritime security applications</u>	15 March 2016	25 August 2016
Forthcoming (ICT sector only)		
<u>ICT-28-2017: Robotics Competition, coordination and support</u>	08 December 2016	25 April 2017

EKT: National Infrastructure for Research & Innovation

National Information System for Research and Technology

E-infrastructure for open access to scientific content & services
<http://www.epset.gr>



Metrics (www.ekt.gr/metrics):
 Assigned by national authorities to provide RDI indicators to Eurostat (additional publications on bibliometrics)



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EKT – National Contact Point (NCP) for Horizon 2020

Excellence Science

- European Research Council (ERC)
- Future & Emerging Technologies (FET)
- "Marie Skłodowska-Curie Actions"
- Research Infrastructures

Industrial Leadership

- Access to finance
- Information & Communication Technologies (ICT)

www.ekt.gr/horizon2020



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Societal Challenges

- Health, Demographic Change & Wellbeing
- Secure, clean and efficient energy
- Inclusive, innovative and reflective societies

Horizontal programmes

- Science with and for society
- Euratom

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Digital services to research & business community

- **Information on Research & Innovation** in Greece and abroad
- **Access to Funding:** information, trainings, pre-screening of proposals
- **International Collaboration:** partner search support, networking (through NCPs networks & Enterprise Europe Network)
- **Exploitation of results:** business coaching, technology audits, partnership agreements for technology transfer, venture capitals
- **Open Access** to research results: national OpenAIRE node, repositories, e-journals, policy support
- **Intellectual Property Rights:** helpdesk, signposting
- **Metrics** for scientific-based research policies: Eurostat indicators, bibliometrics, intelligence reports per field



Useful links for Horizon 2020

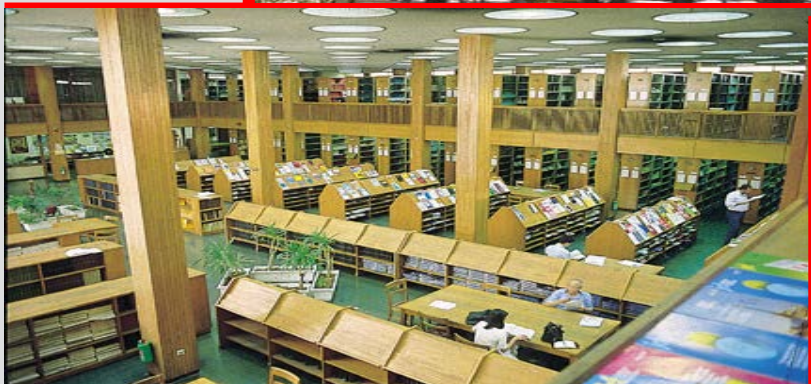
- **EC Participant Portal:**
<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
- **Work Programmes 2016-17 in Horizon 2020:**
http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2016-17
- **Open calls in Horizon 2020:**
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html#c>
- **EU funded projects → CORDIS Advanced Search:**
<http://cordis.europa.eu/search/index.cfm?fuseaction=proj.advSearch>
- **National Documentation Centre (EKT):** www.ekt.gr
- **Horizon 2020 @ EKT:** www.ekt.gr/horizon2020
- **National Contact Point (NCP) ICT & FET:** Dr Iraklis Agiovlasis (agiovlasis@ekt.gr)



Contact

EKT

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Thank you for your attention

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