

ICT in Horizon 2020

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- ▶ The calls presented in this presentation derive from the Commission's draft Workprogramme 2016-2017 and are subject to change.
- ▶ draft work programmes are working documents. As such, calls indicated in the documents may not appear in the final versions of the Work Programme 2016-2017, and likewise, new calls may be introduced.
- ▶ Official Workprogramme 2016-2017 is to be announced by the Commission

ICT in H2020

- ▶ This part covers the following ICT technological areas:
 1. A new generation of components and system,
 2. Advanced Computing and Cloud Computing,
 3. Future Internet,
 4. Content,
 5. Robotics and autonomous systems,
 6. Key Enable Technologies
 7. Internet of Things
 8. Security
 9. Innovation and Entrepreneurship support
 10. Responsibility and Creativity
 11. International Cooperation Activities

Work Programme with the description of the topics

ICT Calls 2016–2017 (1)

A new generation of components and systems

ICT1.1 – 2016: Smart Cyber–Physical Systems ICT1.2 – 2016: Thin, Organic and Large Area Electronics (TOLAE)

ICT1.3 – 2016: SSI – Smart System Integration

ICT1.4 – 2016: Smart Anything Everywhere Initiative

Advanced Computing and Cloud Computing

ICT2.1 – 2016: Customized and low energy computing

ICT2.2 – 2016: Cloud Computing

Future Internet

ICT3.1 – 2016: 5G PPP Research and validation of critical technologies and systems

ICT3.2 – 2016: 5G PPP Convergent Technologies

ICT3.3 – 2016: Networking research beyond 5G

ICT3.4 – 2016: Software technologies

ICT3.5 – 2017: Collective Awareness Platforms for Sustainability and Social Innovation

ICT3.6 – 2016: Net Innovation Factory

ICT3.7 – 2016: Future Internet Experimentation – Building a European Experimental Infrastructure

ICT Calls 2016–2017 (2)

Content

ICT4.1 – 2016: Big Data PPP: innovation hubs for cross–sectorial and cross–lingual data integration
ICT4.2 – 2016: Big Data PPP: innovation Hubs for cross–sectorial and cross–lingual data experimentation

ICT4.3 – 2016: Big Data PPP: Large Scale Pilot projects in sectors best benefitting from data driven innovation

ICT4.4 – 2017: Big data PPP: research addressing main technology challenges of the data economy
ICT4.5 – 2016–17: Big data PPP: Support,

Benchmarking and evaluation

ICT4.6 – 2016: Big data PPP: privacy–preserving big data technologies

ICT4.7 – 2017: Big data PPP: skills

ICT4.8 – 2016: Media and content convergence
ICT4.9 – 2017: Tools for smart digital content in the Creative Industries

ICT4.10 – 2016: Support technology transfer to the Creative Industries

ICT4.11 – 2016: Learning and skills

ICT4.12 – 2017: Interfaces for accessibility

ICT4.16 – 2016: Gaming and gamification

ICT Calls 2016–2017 (3)

Robotics and autonomous systems

- ICT 5.1 – 2016: Advanced robot capabilities and system abilities
- ICT 5.2 – 2016: Market driven research and innovation in robotics
- ICT 5.3 – 2017: Advanced robot capabilities and system abilities
- ICT 5.4 – 2017: Market-driven research and innovation in robotics
- ICT 5.5 – 2017: Coordination and Support Actions
- ICT 5.6 – 2017: Joint Actions

Key Enabling Technologies

- ICT6.1 – 2016: Photonics KET ICT IN LEIT (2)
- ICT6.2 – 2017: Photonics KET
- ICT6.3 – 2017: Micro- and nanoelectronics technologies
- ICT6.4 – 2017: Cross-KET for Health

Internet of Things

- ICT7.1 – 2016: Large Scale Pilots
- ICT7.2 – 2016: IoT Horizontal
- ICT7.3 – 2016: R&I on IoT integration and platforms

ICT Calls 2016–2017 (4)

Security

ICT8.1 – 2016: Assurance and Certification for Trustworthy and Secure ICT systems, services and components

ICT8.2 – 2016: A Digital Security and Privacy Cluster for LEIT–ICT

ICT8.3 – 2017: Cryptography

Innovation and Entrepreneurship support

ICT9.1 – 2017: Startup Europe for Growth

ICT9.2 – 2016: Innovation procurement network

ICT9.3 – 2017: Innovation procurement open

Responsibility and Creativity

ICT10.1 – 2016: Enabling responsible ICT–related research and innovation

ICT10.2 – 2016: Establishing a structured dialogue between creative people and technologists

ICT10.3 – 2016: STARTS– Innovation at the nexus of S&T, Design and the Arts

ICT10.4 – 2017: STARTS – S&T&ARTS prize

ICT Calls 2016–2017 (5)

International Cooperation Activities

ICT11.1 – 2016: CHINA Collaboration on Future Internet

ICT11.2 – 2016: MEXICO Collaboration on Future Internet

ICT11.3 – 2017: International partnership building in low and middle income countries

LEIT & Societal Challenges

Industrial Leadership

[Information and Communication Technologies](#) [1,257 KB]

[Nanotechnologies, advanced materials and advanced manufacturing and processing](#) [3,168 KB]

Societal Challenges

[Personalised Medicine \[Health\]](#)

[Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy](#)

[Secure, clean and efficient energy](#)

[Smart, green and integrated transport](#)

[Climate action, environment, resource efficiency and raw materials](#)

[Europe in a changing world – inclusive, innovative and reflective societies](#) [Secure societies](#)

[Protecting freedom and security of Europe and its citizens](#)

- ❑ Work Programmes will be available at:
 - <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

- ❑ H2020 reference documents are available at:
 - http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html

- ❑ Draft Work programmes 2016-2017 available at:
 - <https://ec.europa.eu/programmes/horizon2020/en/draft-work-programmes-2016-17>