Information and Communication Technologies

Digital technologies underpin innovation and competitiveness across a broad range of market sectors. The topics addressed in this Work Programme part cover the ICT technology in a comprehensive way, from key enabling technologies to networking technologies, robotics, content and information management technologies.

Conditions and funding instruments

A consortium generally needs to include a minimum of three independent participants from three different EU Members States or Associated Countries. Funding for small projects are typically €3-5 M, for large ones €5-10 M and for industry pilots €10-20 M.

Online Sources of Information

- European Commission Funding & tender opportunities:
  ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home
- EU Research and Innovation Programmes:
  businessfinland.fi/en/for-finnish-customers/services/funding/horizon-2020/basics/
- Project databases of FP6, FP7 and H2020:
  ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/partner-search

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CALL – INFORMATION AND COMMUNICATION TECHNOLOGIES

AI and Technologies for Digitising European Industry and Economy
ICT-46-2020: Robotics in Application Areas and Coordination & Support
ICT-47-2020: Research and Innovation boosting promising robotics applications
ICT-48-2020: Towards a vibrant European network of AI excellence centres
ICT-49-2020: Artificial Intelligence on demand platform
ICT-38-2020: Artificial intelligence for manufacturing
ICT-36-2020: Disruptive photonics technologies
ICT-37-2020: Advancing photonics technologies and application driven photonics components and the innovation ecosystem
ICT-50-2020: Software Technologies

European Data Infrastructure: HPC, Big Data and Cloud technologies
ICT-51-2020: Big Data technologies and extreme-scale analytics
ICT-40-2020: Cloud Computing: towards a smart cloud computing continuum

5G
ICT-52-2020: 5G PPP – Smart Connectivity beyond 5G
ICT-41-2020: 5G PPP – 5G innovations for verticals with third party services
ICT-42-2020: 5G PPP – 5G core technologies innovation
ICT-53-2020: 5G PPP – 5G for Connected and Automated Mobility (CAM)

Next Generation Internet (NGI)
ICT-54-2020: Blockchain for the Next Generation Internet
ICT-55-2020: Interactive Technologies
ICT-56-2020: Next Generation Internet of Things
ICT-57-2020: An empowering, inclusive Next Generation Internet
ICT-44-2020: Next Generation Media

Cross-cutting activities
ICT-45-2020: Reinforcing European presence in international ICT standardisation: Standardisation Observatory and Support Facility

International Cooperation activities
ICT-58-2020: International partnership building between European and African innovation hubs

CALL – DIGITISING AND TRANSFORMING EUROPEAN INDUSTRY AND SERVICES: DIGITAL INNOVATION HUBS AND PLATFORMS

Support to Hubs
DT-ICT-03-2020: I4MS (phase 4) - uptake of digital game changers
DT-ICT-04-2020: Photonics Innovation Hubs
DT-ICT-05-2020: Big Data Innovation Hubs

Platforms and Pilots
DT-ICT-09-2020: Boost rural economies through cross-sector digital service platforms
DT-ICT-12-2020: AI for the smart hospital of the future

CALL – CYBERSECURITY

SU-ICT-02-2020: Building blocks for resilience in evolving ICT systems

APPENDIX – CALL TOPICS AND IMPORTANT DATES

Topics (Type of Action)	Budgets (EUR million)			Deadlines
	2018	2019	2020	
Opening: 09 Jul 2019				
ICT-45-2020 (CSA)			4.00	13 Nov 2019
ICT-48-2020 (RIA)			48.00	
ICT-48-2020 (CSA)			2.00	
ICT-53-2020 (IA)			30.00	
ICT-55-2020 (IA)			17.00	
ICT-38-2020 (RIA)			47.00	16 Jan 2020
ICT-38-2020 (CSA)			1.00	
ICT-42-2020 (IA)			48.00	
ICT-42-2020 (CSA)			1.00	
ICT-44-2020 (IA)			15.50	
ICT-44-2020 (CSA)			2.00	
ICT-50-2020 (CSA)			1.00	
ICT-50-2020 (RIA)			29.00	
ICT-51-2020 (CSA)			1.50	
ICT-51-2020 (RIA)			30.00	
ICT-54-2020 (RIA)			20.00	
ICT-56-2020 (CSA)			2.00	
ICT-56-2020 (RIA)			46.50	

Opening: 19 Nov 2019				
ICT-36-2020 (RIA)			47.50	22 Apr 2020
ICT-37-2020 (IA)			15.00	
ICT-37-2020 (RIA)			29.00	
ICT-37-2020 (CSA)			4.00	
ICT-40-2020 (CSA)			0.60	
ICT-40-2020 (RIA)			19.40	
ICT-41-2020 (IA)			49.00	
ICT-46-2020 (RIA)			41.50	
ICT-46-2020 (IA)			41.50	
ICT-46-2020 (CSA)			3.00	
ICT-47-2020 (RIA)			20.00	
ICT-49-2020 (IA)			20.00	
ICT-52-2020 (RIA)			55.00	
ICT-57-2020 (RIA)			7.00	
ICT-58-2020 (IA)			10.00	
ICT-58-2020 (CSA)			1.00	

Topics (Type of Action)	Budgets (EUR million)			Deadlines
	2018	2019	2020	
Opening: 09 Jul 2019				
DT-ICT-03-2020 (CSA)			1.00	13 Nov 2019
DT-ICT-03-2020 (IA)			70.00	
DT-ICT-05-2020 (IA)			30.50	
Opening: 19 Nov 2019				
DT-ICT-04-2020 (IA)			19.00	22 Apr 2020
DT-ICT-09-2020 (IA)			30.00	
DT-ICT-12-2020 (IA)			40.00	

Topics (Type of Action)	Budgets (EUR million)			Deadlines
	2018	2019	2020	
Opening: 25 Jul 2019				
SU-ICT-02-2020 (RIA)			47.00	19 Nov 2019