

INTRODUCTION/SCOPE

All calls were published on 27th of October 2017.

[Introduction WP 2018-20](#)

[Introduction to Leadership in enabling and industrial technologies \(LEITs\) WP 2018-20](#)

[Information and communication technologies \(ICT\) WP 2018-20](#)

[Dissemination, Exploitation and Evaluation WP 2018-20](#)

[General annexes to the Work Programme 2018-2020](#)

[Legal basis: Horizon 2020 Regulation of Establishment](#)

[Legal basis: Horizon 2020 Rules for Participation](#)

[Legal basis: Horizon 2020 Specific Programme](#)

CALLS

CALL IDENTIFIER	CALL TOPIC	DEADLINE 2018	DEADLINE 2019-2020
EXCELLENT SCIENCE:			
Future and Emerging Technologies (FET)			
FET Open: novel ideas for radically new technologies			
FETOPEN-01-2018-2019-2020	FET-Open Challenging Current Thinking		24/01/19 18/09/19 13/05/20
FETOPEN-03-2018-2019-2020	FET Innovation Launchpad	16/10/18	08/10/19 14/10/20
FET Proactive - Boosting emerging technologies			
FETPROACT-03-2018	FET ERA-NET Cofund	18/12/18	
FET Proactive - High Performance Computing			
FETHPC-02-2017	Extreme scale computing technologies, methods and algorithms for key applications and support to the HPC ecosystem		24/09/19
FET Flagships - Tackling grand interdisciplinary science and technology challenges			
FETFLAG-01-2018	Preparatory Actions for new FET Flagships	18/09/18	
Research Infrastructures			
Implementing the European Open Science Cloud			
INFRAEOSC-02-2019	Prototyping new innovative services		29/01/19
INFRAEOSC-05-2018-2019	Support to the EOSC Governance	21/11/19	
INFRAEOSC-06-2019-2020	Enhancing the EOSC portal and connecting thematic clouds		20/03/19
Integrating and opening research infrastructures of European interest			
INFRAIA-01-2018-2019	Integrating Activities for Advanced Communities		20/03/19
Demonstrating the role of Research Infrastructures in the translation of Open Science into Open Innovation			
INFRAINNOV-01-2019	Stimulate the innovation potential of SMEs		29/01/19

INFRAINNOV-02-2019	Network of research infrastructure Industrial Liaison and Contact Officers		20/03/19
INDUSTRIAL LEADERSHIP			
LEIT - Information and Communication Technologies			
Information and Communication Technologies			
Technologies for Digitising European Industry			
ICT-01-2019	Computing technologies and engineering methods for cyber-physical systems of systems		28/03/19
ICT-03-2018-2019	Photonics Manufacturing Pilot Lines for Photonic Components and Devices		28/03/19
ICT-05-2019	Application driven Photonics components		28/03/19
ICT-06-2019	Unconventional Nanoelectronics		28/03/19
ICT-08-2019	Security and resilience for collaborative manufacturing environments		28/03/19
ICT-09-2019-2020	Robotics in Application Areas		28/03/19
ICT-10-2019-2020	Robotics Core Technology		28/03/19
European Data Infrastructure: HPC, Big Data and Cloud technologies			
ICT-11-2018-2019	HPC and Big Data enabled Large-scale Test-beds and Applications	14/11/18	
ICT-13-2018-2019	Supporting the emergence of data markets and the data economy		28/03/19
ICT-14-2019	Co-designing Extreme Scale Demonstrators (EsD)	14/11/18	
ICT-15-2019-2020	Cloud Computing		28/03/19
5G			
ICT-19-2019	Advanced 5G validation trials across multiple vertical industries	14/11/18	
ICT-20-2019-2020	5G Long Term Evolution		28/03/19
ICT-23-2019	EU-Taiwan 5G collaboration		15/01/19
Next Generation Internet (NGI)			
ICT-24-2018-2019	Next Generation Internet - An Open Internet Initiative		28/03/19
ICT-25-2018-2020	Interactive Technologies	14/11/18	
ICT-30-2019-2020	An empowering, inclusive Next Generation Internet		28/03/19
ICT-31-2018-2019	EU-US collaboration on NGI		28/03/19
Cross-cutting activities			
ICT-33-2019	Startup Europe for Growth and Innovation Radar		28/03/19
ICT-34-2018-2019	Pre-Commercial Procurement open		28/03/19
Digitising and transforming European industry and services: digital innovation hubs and platforms			
Support to Hubs			
DT-ICT-01-2019	Smart Anything Everywhere		02/04/19
Platforms and Pilots			
DT-ICT-07-2018-2019	Digital Manufacturing Platforms for Connected Smart Factories		02/04/19
DT-ICT-08-2019	Agricultural digital integration platforms	14/11/18	
DT-ICT-10-2018-19	Interoperable and smart homes and grids	14/11/18	
DT-ICT-11-2019	Big data solutions for energy		02/04/19
DT-ICT-13-2019	Digital Platforms/Pilots Horizontal Activities	14/11/18	
Cybersecurity			
SU-ICT-01-2018	Dynamic countering of cyber-attacks	28/08/18	

SU-ICT-02-2020	Building blocks for resilience in evolving ICT systems		19/11/19
SU-ICT-04-2019	Quantum Key Distribution testbed	14/11/18	
LEIT- Nanotechnologies, Advanced Materials, Biotechnology and Processing			
Foundations for tomorrow's industry			
Materials characterisation and computational modelling			
DT-NMBP-08-2019	Real-time nano-characterisation technologies		22/01/19 03/09/19
DT-NMBP-10-2019	Adopting materials modelling to challenges in manufacturing processes		22/01/19 03/09/19
Transforming European Industry			
Factories of the Future			
DT-FOF-05-2019	Open Innovation for collaborative production engineering		21/02/19
DT-FOF-08-2019	Pilot lines for modular factories		21/02/19
DT-FOF-12-2019	Handling systems for flexible materials		21/02/19
DT-NMBP-18-2019	Materials, manufacturing processes and devices for organic and large area electronics		21/01/19 03/09/19
DT-NMBP-19-2019	Advanced materials for additive manufacturing		22/01/19 03/09/19
Industrial sustainability			
Sustainable Process Industry (SPIRE)			
DT-SPIRE-06-2019	Digital technologies for improved performance in cognitive production plants		21/02/19
Cultural heritage			
NMBP-33-2018	Innovative and affordable solutions for the preventive conservation of cultural heritage	28/06/18	
LEIT - Space			
Space			
Earth observation			
DT-SPACE-01-EO-2018-2020	Copernicus market uptake		12/03/19
DT-SPACE-06-EO-2019	International Cooperation Copernicus - Designing EO downstream applications with international partners		12/03/19
Space business, entrepreneurship, outreach and education			
DT-SPACE-09-BIZ-2019	Space hubs (support to start-ups)		12/03/19
Space technologies, science and exploration			
LC-SPACE-14-TEC-2018-2019	Earth observation technologies		12/03/19
EGNSS market uptake			
DT-SPACE-EGNSS-2-2019-2020	EGNSS applications fostering digitisation		05/03/19
European Innovation Council (EIC) Pilot			
SME Instrument			
EIC-SMEInst-2018-2020	SME instrument	Phase 1: 05/09/18 07/11/18	Phase 1: 13/02/19 07/05/19 05/09/19

		Phase 2: 10/10/2018	06/11/19 12/02/20 06/05/20 02/09/20 04/11/20 Phase 2: 09/01/19 03/04/19 05/06/19 09/10/19 08/01/20 18/03/20 19/05/20 07/10/20
Fast Track to Innovation (FTI)			
EIC-FTI-2018-2020	Fast Track to Innovation (FTI)	23/10/2018	21/02/19 23/05/19 22/10/19 19/02/20 09/06/20 27/10/20
SOCIETAL CHALLENGES			
Health, demographic change and wellbeing			
Better Health and care, economic growth and sustainable health systems			
Personalised medicine			
SC1-HCO-01-2018-2019-2020	Actions in support of the International Consortium for Personalised Medicine		16/04/19
Infectious diseases and improving global health			
SC1-BHC-13-2019	Mining big data for early detection of infectious disease threats driven by climate change and other factors		16/04/19
Digital transformation in Health and Care			
SC1-DTH-01-2019	Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment		24/04/19
SC1-DTH-05-2019	Large scale implementation of digital innovation for health and care in an ageing society		24/04/19
SC1-DTH-09-2019	Scaling up the univocal Identification of Medicinal Products		24/04/19
SC1-DTH-10-2019-2020	Digital health and care services	14/11/18	
SC1-DTH-11-2019	Large Scale pilots of personalised & outcome based integrated care		24/04/19
SC1-HCC-02-2019	Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain		24/04/19
Trusted digital solutions and Cybersecurity in Health and Care			
Focus Area on Digitising and transforming European industry and services			
DT-TDS-01-2019	Smart and healthy living at home	14/11/18	

Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy			
Sustainable Food Security			
Building capacities			
DT-SFS-26-2019	Food Cloud demonstrators		23/01/19
SFS-31-2019	ERANETs in agri-food		23/01/19
Blue Growth			
DT-BG-04-2018-2019	Sustainable European aquaculture 4.0: nutrition and breeding		23/01/19
Rural Renaissance			
From farm to society: understanding dynamics and modernising policies			
RUR-02-2018	Socio-economic impacts of digitisation of agriculture and rural areas	11/09/18	
Secure, Clean and Efficient Energy			
Building a low-carbon, climate resilient future: secure, clean and efficient energy			
Energy efficiency			
LC-SC3-EE-4-2019-2020	Upgrading smartness of existing buildings through innovations for legacy equipment		03/09/19
LC-SC3-EE-13-2018-2019-2020	Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side as energy resource	04/09/18	03/09/19
Smart and clean energy for consumers			
LC-SC3-EC-1-2018-2019-2020	The role of consumers in changing the market through informed decision and collective actions	04/09/18	03/09/19
Smart citizen-centred energy system			
LC-SC3-ES-1-2019	Flexibility and retail market options for the distribution grid		05/02/19
LC-SC3-ES-2-2019	Solutions for increased regional cross-border cooperation in the transmission grid		05/02/19
LC-SC3-ES-6-2019	Research on advanced tools and technological development		05/02/19
Smart Cities and Communities			
LC-SC3-SCC-1-2018-2019-2020	Smart Cities and Communities		05/02/19
Smart, green and integrated transport			
Mobility for growth			
Safe, integrated and resilient transport systems			
MG-2-6-2019	Moving freight by Water: Sustainable Infrastructure and Innovative Vessels		16/01/19 12/09/19
MG-2-7-2019	Safety in an evolving road mobility environment		16/01/19 12/09/19
Global leadership and competitiveness			
MG-3-1-2018	Multidisciplinary and collaborative aircraft design tools and processes	19/09/18	
MG-3-2-2018	The Autonomous Ship	19/09/18	

Accounting for the people			
MG-4-5-2019	An inclusive digitally interconnected transport system meeting citizens' needs		24/04/19
Digitising and Transforming European Industry and Services: Automated Road Transport			
DT-ART-03-2019	Human centred design for the new driver role in highly automated vehicles		24/04/19
DT-ART-04-2019	Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all		24/04/19
Building a low-carbon, climate resilient future: Green Vehicles			
LC-GV-04-2019	Low-emissions propulsion for long-distance trucks and coaches		24/04/19
Climate action, environment, resource efficiency and raw materials			
Greening the economy in line with the Sustainable Development Goals (SDGs)			
Connecting economic and environmental gains - the circular economy			
CE-SC5-03-2018	Demonstrating systemic urban development for circular and regenerative cities	04/09/18	
CE-SC5-04-2019	Building a water-smart economy and society		19/02/19 04/09/19
Raw materials			
SC5-09-2018-2019	New solutions for the sustainable production of raw materials	04/09/18	19/02/19 04/09/19
SC5-10-2019-2020	Raw materials innovation actions: exploration and Earth observation in support of sustainable mining		19/02/19 04/09/19
Water for our environment, economy and society			
SC5-11-2018	Digital solutions for water: linking the physical and digital world for water solutions	04/09/18	
Europe in a changing world - inclusive, innovative and reflective Societies			
Migration			
DT-MIGRATION-06-2018-2019	Addressing the challenge of migrant integration through ICT-enabled solutions		14/03/19
Socioeconomic and cultural transformations in the context of the fourth industrial revolution			
DT-TRANSFORMATIONS-02-2018-2019-2020	Transformative impact of disruptive technologies in public services		14/03/19
TRANSFORMATIONS-03-2018-2019	Innovative solutions for inclusive and sustainable urban environments		14/03/19
DT-TRANSFORMATIONS-07-2019	The impact of technological transformations on children and youth		14/03/19
DT-TRANSFORMATIONS-11-2019	Collaborative approaches to cultural heritage for social cohesion		14/03/19
TRANSFORMATIONS-13-2019	Using big data approaches in research and innovation policy making		14/03/19
Governance for the future			

DT-GOVERNANCE-05-2018-2019-2020	New forms of delivering public goods and inclusive public services		14/03/19
DT-GOVERNANCE-12-2019-2020	Pilot on using the European cloud infrastructure for public administrations		14/03/19
DT-GOVERNANCE-13-2019	Digitisation, Digital Single Market and European culture: new challenges for creativity, intellectual property rights and copyright		14/03/19
Secure societies - Protecting freedom and security of Europe and its citizens			
Protecting the infrastructure of Europe and the people in the European smart cities			
SU-INFRA01-2018-2019-2020	Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe	23/08/18	22/08/19
SU-INFRA02-2019	Security for smart and safe cities, including for public space		22/08/19
Security			
Disaster-Resilient Societies			
SU-DRS02-2018-2019-2020	Technologies for first responders	23/08/18	22/08/19
Fight against Crime and Terrorism			
SU-FCT02-2018-2019-2020	Technologies to enhance the fight against crime and terrorism	23/08/18	22/08/19
SU-FCT03-2018-2019-2020	Information and data stream management to fight against (cyber)crime and terrorism	23/08/18	22/08/19
Border and External Security			
SU-BES02-2018-2019-2020	Technologies to enhance border and external security	23/08/18	22/08/19
SU-BES03-2018-2019-2020	Demonstration of applied solutions to enhance border and external security	23/08/18	22/08/19
Digital security			
Cybersecurity, Digital Privacy and data protection			
SU-DS01-2018	Cybersecurity preparedness - cyber range, simulation and economics	23/08/18	
SU-DS03-2019-2020	Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises		22/08/19
SU-DS04-2018-2020	Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks and data breaches	23/08/18	
SU-DS05-2018-2019	Digital security, privacy, data protection and accountability in critical sectors	23/08/18	22/08/19

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