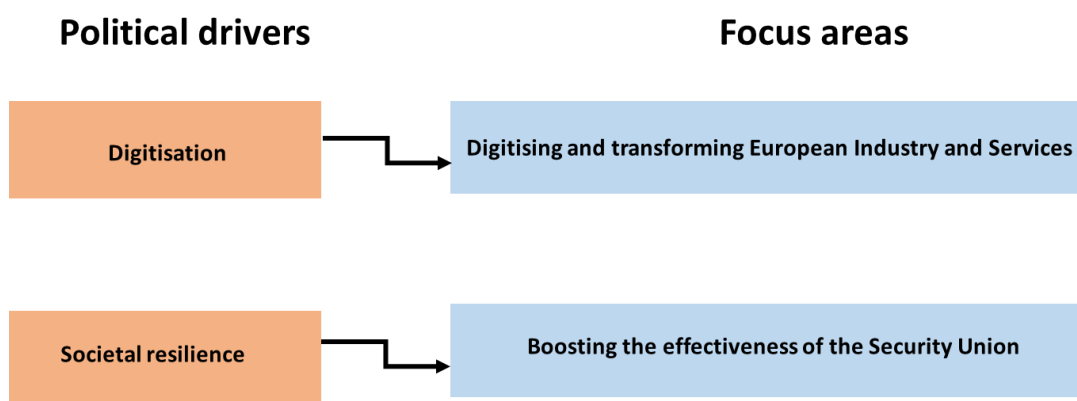




H2020 ICT 2018-2020

This guide will summarize for UNIPi proposers the LEIT–ICT Work Programme 2018-2020 Calls for proposals and the ICT-related Calls part of other H2020 WPs 2018-2020 with deadline 2018-2019. It includes policy context information, downloadable work programmes, links to the topics web pages, links to the EC presentations of some topics and other useful information.

The focus areas in the Work Programme ICT 2018-2020 translate the following high-level EU political drivers.



The objectives of **Digitising and transforming European industry and services** focus area are:

- enabling all sectors and application areas to adapt, transform and benefit from digitisation, notably by allowing also smaller and newer players to capture value;
- developing industrial strategies, including new business models, and leverage this major transformation to increase the competitiveness of EU industries and create new markets;
- connecting to Member States and regions in order to better align research and innovation agendas and develop synergies;
- removing barriers for innovation enabled by digitisation, by addressing issues such as up- and cross-skilling, harmonising regulatory frameworks and standardisation.

The objectives of **Boosting the effectiveness of the Security Union'** focus area are:

- reductions to loss of human life, environmental, economic and material damage from natural and man-made disasters
- new technologies, solutions and processes for fighting and preventing crime (including cyber-crime and cyber security), illegal trafficking and terrorism (including cyber-terrorism), and understanding and tackling terrorist ideas and beliefs.
- research on innovative processes and technologies for action and recovery from post disaster situations.

LEIT-ICT WP 2018-2020

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The **ICT-Leadership in Enabling and Industrial Technologies (LEIT) Work Programme 2018-2020** addresses the main priorities in the digital area through the following Calls for proposals:

- **Information and Communication Technologies for Digitising European Industry (ICT)** - (2018: 514M€, 2019: 688M€, 2020: 625M€)
- **Digitising and transforming European industry and services (DT)** - (2018: 115M€, 2019: 145M€, 2020: 166M€)
- **Cybersecurity: Boosting the effectiveness of the Security Union' (SU)** - (2018: 90M€, 2019: 15M€, 2020: 47M€)
- **EU–Japan Joint Call** - (2018: 6M€)
- **EU–Korea Joint Call** - (2018: 6.2M€)

Call Information and Communication Technologies for Digitising European Industry (H2020-ICT-2018-2020)

The Digitising European Industry (DEI) initiative aims to establish next generation digital platforms and re-build the underlying digital supply chain on which all economic sectors are dependent. The initiative should enable all sector and application areas to adapt, transform and benefit from digitisation, notably by allowing also smaller players to capture value. Digital Platforms are becoming a key factor in one sector after another, enabling new types of services and applications, altering business models and creating new marketplaces. Actions under this heading will provide extensive support to key DEI components in Photonics, Robotics, Manufacturing technologies and Cyber-Physical Systems. Support to Micro-electronics, in particular for higher TRLs, will continue through the ECSEL Joint Undertaking.

Topic ID	Type of action	Topic title	Opening date	Deadline 2018	Deadline 2019	EC Topic presentation
ICT-01-2019	RIA, CSA	Computing technologies and engineering methods for cyber-physical systems of systems	16/10/18		28/03/19	
ICT-02-2018	RIA	Flexible and Wearable Electronics	31/10/17	17/04/18		Topic presentation
ICT-03-2018-2019	IA	Photonics Manufacturing Pilot Lines for Photonic Components and Devices	31/10/17 16/10/18	17/04/18	28/03/19	Topic presentation
ICT-04-2018	RIA, IA	Photonics based manufacturing, access to photonics, datacom photonics and connected lighting	31/10/17	17/04/18		Topic presentation
ICT-05-2019	RIA, IA, CSA	Application driven Photonics components	16/10/18		28/03/19	
ICT-06-2019	RIA	Unconventional Nanoelectronics	16/10/18		28/03/19	
ICT-07-2018	RIA, IA, CSA	Electronic Smart Systems (ESS)	31/10/17	17/04/18		Topic presentation
ICT-08-2019	RIA	Security and resilience for collaborative manufacturing environments	16/10/18		28/03/19	
ICT-09-2019-2020	RIA, IA, CSA	Robotics in Application Areas	16/10/18		28/03/19	
ICT-10-2019-2020	RIA	Robotics Core Technology	16/10/18		28/03/19	
ICT-11-2018-2019	IA	HPC and Big Data enabled Large-scale Test-beds and Applications	31/10/17 26/07/18	17/04/18 14/11/18		Topic a) presentation Topic b) presentation
ICT-12-2018-2020	RIA, CSA	Big Data technologies and extreme-scale analytics	31/10/17	17/04/18		Topic presentation
ICT-13-2018-2019	RIA, CSA IA	Supporting the emergence of data markets and the data economy	31/10/17 16/10/18	17/04/18	28/03/19	Topic presentation
ICT-14-2019	RIA	Co-designing Extreme Scale Demonstrators (EsD)	26/07/18	14/11/18		
ICT-15-2019-2020	RIA, CSA	Cloud Computing	16/10/18		28/03/19	
ICT-16-2018	RIA, IA, CSA	Software Technologies	31/10/17	17/04/18		Topic presentation
ICT-17-2018	RIA	5G End to End Facility	31/10/17	31/01/18		Topic presentation

ICT-18-2018	IA	5G for cooperative, connected and automated mobility (CCAM)	31/10/17	17/04/18		Topic presentation
ICT-19-2019	RIA, CSA	Advanced 5G validation trials across multiple vertical industries	26/07/18	14/11/18		Topic presentation
ICT-20-2019-2020	RIA	5G Long Term Evolution	16/10/18		28/03/19	T
ICT-21-2018	CSA	EU-US Collaboration for advanced wireless platforms	31/10/17	17/04/18		Topic presentation
ICT-22-2018	RIA	EU-China 5G Collaboration	31/10/17	31/01/18		Topic presentation
ICT-23-2019	RIA	EU-Taiwan 5G collaboration	05/09/18		15/01/19	Topic presentation
ICT-24-2018-2019	RIA, CSA RIA	Next Generation Internet - An Open Internet Initiative	31/10/17 16/10/18	17/04/18	28/03/19	Topic presentation
ICT-25-2018-2020	CSA RIA	Interactive Technologies	31/10/17 26/07/18	17/04/18 14/11/18		Topic presentation
ICT-26-2018-2020	RIA	Artificial Intelligence	31/10/17	17/04/18		Topic presentation
ICT-27-2018-2020	CSA	Internet of Things	31/10/17	17/04/18		
ICT-28-2018	RIA, IA, CSA	Future Hyper-connected Sociality	31/10/17	17/04/18		Topic presentation
ICT-29-2018	RIA, IA	A multilingual Next Generation Internet	31/10/17	17/04/18		Topic presentation
ICT-30-2019-2020	IA, CSA	An empowering, inclusive Next Generation Internet	16/10/18		28/03/19	
ICT-31-2018-2019	CSA RIA	EU-US collaboration on NGI	31/10/17 16/10/18	17/04/18	28/03/19	Topic presentation
ICT-32-2018	RIA, CSA	STARTS - The Arts stimulating innovation	31/10/17	17/04/18		
ICT-33-2019	IA, CSA	Startup Europe for Growth and Innovation Radar	16/10/18		28/03/19	
ICT-34-2018-2019	PCP	Pre-Commercial Procurement open	31/10/17 16/10/18	17/04/18	28/03/19	
ICT-35-2018	CSA	Fintech: Support to experimentation frameworks and regulatory compliance	31/10/17	17/04/18		

Call Digitising and transforming European industry and services: digital innovation hubs and platforms (H2020-DT-2018-2020)

This Call is dedicated to the implementation of the DEI strategy through support to digital innovation hubs, the development of platforms and large-scale pilots. In particular, the 'digitising and transforming European industry and services' (DT) focus area will be mainly implemented with the two following types of activities: a) digital innovation hubs, which provide easy access to the latest digital innovations and experimentation facilities to potential users; b) cross-sectorial and integrated digital platforms and large-scale pilots for experimentation and co-creation with users.

Topic ID	Type of action	Topic title	Opening date	Deadline 2018	Deadline 2019	EC Topic presentation
Support to hubs - Consortia participating in the call should demonstrate that they are deeply rooted in innovation ecosystems that offer digital transformation services to companies in their proximity. They should provide a clear analysis how the proposed project will add value to an already existing service offer, and how it is aligned with the national or regional digitisation of industry initiative. - Every project should support a critical mass of dedicated highly innovative, cross border experiments bringing together technology suppliers and users. At least 50% of the budget should directly benefit SMEs or slightly bigger companies. For grants awarded under topics DT-ICT-01-2019, DT-ICT-02-2018, DT-ICT-03-2020, DT-ICT-04-2020, DT-ICT-05-2020 beneficiaries may provide support to third parties as described in part K of the General Annexes of the Work Programme. - Activities should aim at long-term sustainability and include a business plan for the digital innovation hubs, a plan to attract investors, to address training and skills development needs and dissemination. Established networks reaching out to SMEs like the Enterprise Europe Network and the NCP network should be used. - Selected projects are expected to collaborate on building a network of Digital Innovation Hubs, covering most regions in Europe.						
DT-ICT-01-2019	IA, CSA	Smart Anything Everywhere	16/10/18		02/04/19	
DT-ICT-02-2018	IA, CSA	Robotics - Digital Innovation Hubs (DIH)	31/10/18	17/04/18		Topic presentation
DT-ICT-06-2018	CSA	Coordination and Support Activities for Digital Innovation Hub network	31/10/18	17/04/18		Topic presentation
Platforms and Pilots - Proposals are expected to make a significant step forward in platform building, interoperability between existing platforms, integration of relevant digital technologies such as IoT, AI, photonics, robotics, cloud and Big Data, and validation via pilots and experimentation facilities. Starting from suitable reference architectures, platform interfaces are defined, tested via						

<i>piloting, supported via ecosystem building to prepare their roll-out, and evolved into standards.</i> <i>- Various platform development activities exist at EU or national level, e.g. the Reference Architectural Model Industry 4.0 (RAMI 4.0) and the Industrial Data Space. To develop the next-generation digital platforms, proposals need to bring various initiatives together and act as linking pins. Proposals should build on existing platforms, pilot sites, testbeds, and experimental environments that have been developed in these various initiatives when applicable.</i>						
DT-ICT-07-2018-2019	IA IA, CSA	Digital Manufacturing Platforms for Connected Smart Factories	31/10/18 16/10/18	17/04/18	02/04/19	Topic presentation
DT-ICT-08-2019	IA	Agricultural digital integration platforms	26/07/18	14/11/18		
DT-ICT-10-2018-19	IA	Interoperable and smart homes and grids	26/07/18	14/11/18		Topic presentation
DT-ICT-11-2019	IA	Big data solutions for energy	16/10/18		02/04/19	
DT-ICT-13-2019	CSA	Digital Platforms/Pilots Horizontal Activities	26/07/18	14/11/18		

Call Cybersecurity (H2020-SU-ICT-2018-2020)

Within the next decade cybersecurity and privacy technologies should become complementary enablers of the EU digital economy, ensuring a trusted networked ICT environment for governments, businesses and individuals. The EU ambition is to become a world leader in secure digital economy. The compliance of the European infrastructures, products and services with relevant directives/regulations (e.g. NIS79, eIDAS80, GDPR81, proposal for an e-Privacy regulation) and standards will promote trust and confidence to the European consumers and providers/suppliers, paving the way for a competitive, trustworthy Digital Single Market.

Proposals under this call may be subject to security scrutiny if they could potentially lead to security-sensitive results that should be classified (see guide for classification). Proposals should consider the relevant human factor and social aspects when developing innovative solutions.

Topic ID	Type of action	Topic title	Opening date	Deadline 2018	Deadline 2019	EC Topic presentation
SU-ICT-01-2018	IA	Dynamic countering of cyber-attacks	15/03/18	28/08/18		Topic presentation
SU-ICT-02-2020	RIA	Building blocks for resilience in evolving ICT systems	25/07/19		19/11/19	Topic presentation
SU-ICT-03-2018	RIA	Establishing and operating a pilot for a Cybersecurity Competence Network to develop and implement a common Cybersecurity Research & Innovation Roadmap	01/02/18	29/05/18		Topic presentation
SU-ICT-04-2019	IA	Quantum Key Distribution testbed	26/07/18	14/11/18		Topic presentation

EU-JAPAN Joint Call (H2020-EUJ-2018)

This Coordinated Call addresses the EU and Japan common interests in the research areas of Security, Cloud, IoT, Big Data, and 5G. Both EU and Japan have excellent competences in the fields of cybersecurity systems and visualisation technologies. Especially, security aspects are of increasing importance in these years. There is a need for simple, efficient and trustable systems based on advanced technologies combining Security, Cloud and IoT/Big Data technologies that can provide intelligent detection and countermeasures for device malware attacks, automatic vulnerability discovery and patching, analytics and IoT/Big Data applications. All of these require advanced cloud and edge computing technologies and interoperable IoT devices and platforms. There is also a need to demonstrate technologies and system interoperability for 5G applications of interest in the two regions in early version of the IMT-2020 standards, but also to go further to address long-term challenges beyond 5G.

Topic ID	Type of action	Topic title	Opening date	Deadline 2018	EC Topic presentation
EUJ-01-2018	RIA	Advanced technologies (Security/Cloud/IoT/BigData) for a hyper-connected society in the context of Smart City	31/10/17	31/01/18	Topic presentation
EUJ-02-2018	RIA	5G and beyond	31/10/17	31/01/18	Topic presentation

EU-KOREA Joint Call (H2020-EUK-2018)

This Coordinated Call addresses the common research and policy interests between EU and South Korea and aims at co-developing technologies taking into account interoperability issues and contributing to future standardisation. The main focus of the joint research is a) to develop innovative solutions integrating AI with Cloud and IoT technologies to support future AI applications in an efficient way and b) to demonstrate innovative use of 5G technologies and system interoperability for a number of 5G applications of interest in the two regions in early version of the 5G standard.

Topic ID	Type of action	Topic title	Opening date	Deadline 2018	EC Topic presentation
EUK-01-2018	RIA	Cloud, IoT and AI technologies	31/10/17	31/01/18	Topic presentation
EUK-02-2018	RIA	5G	31/10/17	31/01/18	Topic presentation

H2020 LEIT-ICT Calls 2020

▪ Digitising European Industry

ICT-36-2020 Disruptive photonics technologies

ICT-37-2020 Advancing photonics technologies and application driven photonics components and the innovation ecosystem

ICT-38-2020 Artificial intelligence for manufacturing

ICT-39-2020 Digital advances for local/urban manufacturing

ICT-09-2020 Robotics in Applications Areas

ICT-10-2020 Robotics Core Technology

▪ European Data Infrastructure: HPC, Big Data and Cloud technologies

ICT-12-2020 Big Data technologies and extreme-scale analytics

ICT-15-2020 Cloud Computing

ICT-40-2020 Advanced testbeds for innovative cloud technologies

5G

ICT-20-2020 5G Long Term Evolution

ICT-41-2020 Network innovations with 5G third party services

ICT-42-2020 5G core technologies innovation

ICT-43-2020 EU-Brazil 5G collaboration

▪ Next Generation Internet

ICT-25-2020 Interactive Technologies

ICT-26-2020 Artificial Intelligence: Consolidation of the European AI-on-demand platform through Research and Use-cases

ICT-27-2020 Internet of Things

ICT-44-2020 Next Generation Media

ICT-30-2020 An empowering, inclusive Next Generation Internet

▪ Cross-cutting activities

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

▪ Call- Digitising and transforming European industry and services - continued in 2020

DT-ICT-03-2020 I4MS (phase 4) - uptake of digital game changers and digital manufacturing platforms

DT-ICT-04-2020 Photonics innovation hubs

DT-ICT-05-2020 Big data Innovation hubs

DT-ICT-09-2020 Digital service platforms for rural economies

DT-ICT-12-2020 The smart hospital of the future

ICT in LEIT - Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology

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Topic ID	Topic title	Opening date	Deadline 2018	Deadline 2019
DT-NMBP-07-2018	Open Innovation Test Beds for Characterisation	31/10/17	23/01/18 28/06/18	
DT-NMBP-09-2018	Accelerating the uptake of materials modelling software			
DT-NMBP-08-2019	Real-time nano-characterisation technologies	16/10/18		22/01/19 03/09/19
DT-NMBP-10-2019	Adopting materials modelling to challenges in manufacturing processes			
DT-FOF-01-2018	Skills needed for new Manufacturing jobs	31/10/17	22/02/18	
DT-FOF-02-2018	Effective Industrial Human-Robot Collaboration			
DT-FOF-03-2018	Innovative manufacturing of opto-electrical parts			
DT-FOF-04-2018	Pilot lines for metal Additive Manufacturing			
DT-FOF-05-2019	Open Innovation for collaborative production engineering	16/10/18		21/02/19
DT-FOF-08-2019	Pilot lines for modular factories			
DT-FOF-12-2019	Handling systems for flexible materials			
DT-NMBP-18-2019	Materials, manufacturing processes and devices for organic and large area electronics	16/10/18		22/01/19 03/09/19
DT-NMBP-19-2019	Advanced materials for additive manufacturing	16/10/18		22/01/19 03/09/19
DT-NMBP-20-2018	A digital 'plug and produce' online equipment platform for manufacturing	28/11/17	08/03/18	
DT-SPIRE-06-2019	Digital technologies for improved performance in cognitive production plants	16/10/18		21/02/19
NMBP-33-2018	Innovative and affordable solutions for the preventive conservation of cultural heritage	31/10/17	23/01/18 28/06/18	
LC-EEB-02-2018	Building information modelling adapted to efficient renovation	31/10/17	22/02/18	
LC-EEB-06-2018-20	ICT enabled, sustainable and affordable residential building construction, design to end of life			

ICT in the LEIT - Space

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Topic ID	Topic title	Opening date	Deadline 2018	Deadline 2019
DT-SPACE-01-EO-2018-2020	Copernicus market uptake	31/10/17 16/10/18	06/03/18	12/03/19
DT-SPACE-06-EO-2019	International Cooperation Copernicus – Designing EO downstream applications with international partners	16/10/18		12/03/19
DT-SPACE-09-BIZ-2019	Space hubs (support to start-ups)	16/10/18		12/03/19
SPACE-12-TEC-2018	SRC – Space robotics technologies	31/10/17	06/03/18	
LC-SPACE-14-TEC-2018-2019	Earth observation technologies	31/10/17 16/10/18	06/03/18	12/03/19
SPACE-15-TEC-2018	Satellite communication technologies	31/10/17	06/03/18	
DT-SPACE-EGNSS-2-2019-2020	EGNSS applications fostering digitisation	16/10/18		05/03/19

ICT in 'European Innovation Council' (EIC) pilot: SME Instrument, Fast Track to Innovation

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Topic ID	Type of action	Opening date	Deadline 2018	Deadline 2019
EIC-SMEInst-2018-2020	SME instrument	07/11/17	Phase 1: 08/02/18 03/05/18 05/09/18 07/11/18 Phase 2: 10/01/18 14/03/18 23/05/18 10/10/18	Phase 1: 13/02/19 07/05/19 05/09/19 06/11/19 Phase 2: 09/01/19 03/04/19 05/06/19 09/10/19
EIC-FTI-2018-2020	Fast Track to Innovation (FTI)	07/11/17	21/02/18 31/05/18 23/10/18	21/02/19 23/05/19 22/10/19

ICT in Excellent Science – Future and Emerging Technologies (FET)

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Topic title	Topic title	Opening date	Deadline 2018	Deadline 2019
FET Open: novel ideas for radically new technologies				
FETOPEN-01-2018-2019-2020	FET-Open Challenging Current Thinking	07/11/17	16/05/18	24/01/19 18/09/19
FETOPEN-02-2018	FET-Open Coordination and Support Actions	07/11/17	11/04/18	
FETOPEN-03-2018-2019-2020	FET Innovation Launchpad	07/11/17	16/10/18	08/10/19
FET Proactive - Boosting emerging technologies				
FETPROACT-01-2018	FET Proactive: emerging paradigms and communities	31/10/17	22/03/18	
FETPROACT-02-2018	Community building in Neuromorphic Computing Technologies	31/10/17	22/03/18	
FETPROACT-03-2018	FET ERA-NET Cofund	05/06/18	18/12/18	
FET Proactive - High Performance Computing				
FETHPC-01-2018	International Cooperation on HPC	01/02/18	15/05/18	
FETHPC-02-2018	Extreme scale computing technologies, methods and algorithms for key applications and support to the HPC ecosystem	07/05/19		24/09/19
FET Flagships - Tackling grand interdisciplinary science and technology challenges				
FETFLAG-01-2018	Preparatory Actions for new FET Flagships	31/10/17	20/02/18 18/09/18	
FETFLAG-02-2018	ERA-NET Co-fund for FET Flagships	31/10/17	17/04/18	
FETFLAG-03-2018	FET Flagship on Quantum Technologies	31/10/17	20/02/18	

ICT in Excellent Science – Research Infrastructures, including e-Infrastructures

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Topic title	Topic title	Opening date	Deadline 2018	Deadline 2019
Implementing the European Open Science Cloud				
INFRAEOSC-01-2018	Access to commercial services through the EOSC hub	05/12/17	22/03/18	
INFRAEOSC-02-2019	Prototyping new innovative services	16/10/18		29/01/19
INFRAEOSC-04-2018	Connecting ESFRI infrastructures through Cluster projects	05/12/17	22/03/18	
INFRAEOSC-05-2018-2019	Support to the EOSC Governance	08/02/18 26/07/18	19/06/18 21/11/18	
INFRAEOSC-06-2019-2020	Enhancing the EOSC portal and connecting thematic clouds	14/11/18		20/03/19
Integrating and opening research infrastructures of European interest				
INFRAIA-01-2018-2019	Integrating Activities for Advanced Communities	05/12/17 14/11/18	22/03/18	20/03/19
European Data Infrastructure				
INFRAEDI-01-2018	Pan-European High Performance Computing infrastructure and services (PRACE)	05/12/17	22/03/18	
INFRAEDI-02-2018	HPC PPP - Centres of Excellence on HPC	05/12/17	22/03/18	
INFRAEDI-03-2018	Support to the governance of High Performance Computing Infrastructures	05/12/17	22/03/18	
Demonstrating the role of Research Infrastructures in the translation of Open Science into Open Innovation				
INFRAINNOV-01-2019	Stimulate the innovation potential of SMEs	16/10/18		29/01/19
INFRAINNOV-02-2019	Network of research infrastructure Industrial Liaison and Contact Officers	14/11/18		20/03/19

ICT in Excellent Science - Marie Skłodowska-Curie actions (MSCA)

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Topic title	Topic title	Opening date	Deadline 2018	Deadline 2019
Innovative Training Networks				
H2020-MSCA-ITN2018	Marie Skłodowska-Curie Innovative Training Networks	12/10/17	17/01/18	
H2020-MSCA-ITN2019	Marie Skłodowska-Curie Innovative Training Networks	13/09/18		15/01/19
Individual Fellowships				
H2020-MSCA-IF-2018	Marie Skłodowska-Curie Individual Fellowships	12/04/18	12/09/18	
H2020-MSCA-IF-2019	Marie Skłodowska-Curie Individual Fellowships	11/04/19		11/09/19
Research and Innovation Staff Exchange				
H2020-MSCA-RISE-2018	Marie Skłodowska-Curie Research and Innovation Staff Exchange	22/11/17	21/03/18	
H2020-MSCA-RISE-2019	Marie Skłodowska-Curie Research and Innovation Staff Exchange	04/12/18		02/04/19
Co-funding of regional, national and international programmes				
H2020-MSCA-COFUND-2018	MSCA-Co-funding of regional, national and international programmes	12/04/18	27/09/18	
H2020-MSCA-COFUND-2019	MSCA-Co-funding of regional, national and international programmes	04/04/19		26/09/19
European Researchers' Night				
H2020-MSCA-NIGHT-2018	MSCA-European Researchers' Night	07/11/18	14/02/18	

ICT in Societal Challenges

In the societal challenges ICT is addressed through either specific topics or calls or as part of a broader set of contributing technologies in the description of the targeted activities. ICT contributions are expected in each of the seven societal challenges in Horizon 2020, WPs 2018-2019:

- SC1 - Health, demographic change and wellbeing
- SC2 - Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio economy
- SC3 - Secure, clean and efficient energy
- SC4 - Smart, green and integrated transport
- SC5 - Climate action, environment, resource efficiency and raw materials
- SC6 - Europe in a changing world - Innovative, inclusive and reflective societies
- SC7 - Secure societies – Protecting freedom and security of Europe and its citizens

Some policy context, regulatory frameworks and other useful links:

[Horizon2020 web site](#)

[Participants portal](#)

[Rules for participation and dissemination in Horizon 2020](#)

[Digital single market](#)

[Digitising European Industry initiative](#)

[Industrial Data Platforms – Key Enablers of Industry Digitization](#)

[European Cloud Initiative](#)

[ICT standardisation Priorities](#)

[EU eGovernment Action Plan 2016-2020](#)

[Implementation of the Action Plan for the European High-Performance Computing strategy](#)

[Quantum Technologies](#)

[Advancing the Internet of Things in Europe](#)

[EU cybersecurity strategy](#)

[5G for Europe Action Plan](#)

[5G Infrastructure Public Private Partnership \(5G PPP\)](#)

[International Cooperation on 5G](#)

[Directive \(EU\) 2016/1148 concerning measures for a high common level of security of network and information systems across the Union](#)

[Regulation \(EU\) No 910/2014 on electronic identification and trust services for electronic transactions in the internal market](#)

[Regulation \(EU\) 2016/679 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data](#)

[European Electronic Communications Code](#)

[Regulation on the Body of European Regulators of Electronic Communications \(BEREC\)](#)

[Regulation on the promotion of Internet connectivity in local communities and public spaces \(WIFI4EU\)](#)

[The Radio Spectrum Policy Programme \(RSPP\)](#)

[ETSI Standardisation framework for Network Function Virtualisation initiatives](#)