

Horizon 2020 – The Framework Programme for Research and Innovation

Horizon 2020 commenced in January 2014 as the new Framework Programme to implement the [Innovation Union](#) with research and innovation funds of €80 billion from 2014 – 2020. Horizon 2020 addresses all research and innovation funding that was previously provided through the Framework Programmes for Research and Technical Development (e.g. FP7), Competitiveness and Innovation Programme (CIP) and European Institute of Innovation and Technology.

Support proposed for Research and Innovation under Horizon 2020 includes:

- Strengthening research in Science
- Strengthening Industrial leadership in Innovation, including investment in key technologies, access to capital and support for SMEs
- Address Societal challenges, such as climate change, sustainable transport and mobility, affordable renewable energy, food security, ageing population

This Guide to Horizon 2020 provides an overview of Calls, themes and deadlines from 2018 Calls for Proposals within the **Marie Curie**, **elinfrastructures**, **Leadership in Enabling and Industrial Technologies** and each of the **Societal Challenges** (Health, Food Security and Agriculture, Energy, Transport, Climate action and resource efficiency, Inclusive and Reflective Societies, Secure Societies) Work Programmes. The individual Work Programmes for 2018 - 2020 for each thematic area were initially published on 27 October 2017. Please find links to these work programmes within the relevant sections in this Guide.

Horizon 2020 is fully open to International Cooperation. African research institutions can participate as part of International Consortia with partners from Europe to apply for funding as part of an international project addressing the challenges published in the Work Programme.

ICT is a horizontal activity that is included across a number of Work Programmes within LEIT and within Societal Challenges Work Programmes. Download [Guide to ICT-related Activities in 2018-2020 Work Programmes](#)

Please visit the [Horizon 2020 section within the Participants portal](#) to download the Proposers Guide and specific templates to prepare proposals for submission under Horizon 2020 2018 calls within specific Marie Curie, elninfrastructures, LEIT and Societal Challenges themes.

Innovation Union	http://ec.europa.eu/research/innovation-union/index_en.cfm
Guide to ICT-related Activities in H2020 2018-20 Work Programmes	http://www.ist-africa.org/home/files/H2020_Guide_ICTrelated-activities_WP2018-20.pdf
Horizon 2020 Calls – Participants Portal	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html
IST-Africa Guide to 2018 Calls within Horizon 2020	http://www.ist-africa.org/home/files/IST-Africa_Guide_2018Calls_Horizon2020.pdf

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I. Excellent Science

With the aim of increasing excellence in science, it is envisaged that Horizon 2020 will support frontier research, collaborative research on [Future and Emerging Technologies](#) (FET), training and career development through [Marie Curie Actions](#) and [research infrastructures](#) (including eInfrastructures).

Future and Emerging Technologies (FET)	https://ec.europa.eu/programmes/horizon2020/en/h2020-section/future-and-emerging-technologies-fet-open
Marie Curie Actions	http://ec.europa.eu/research/mariecurieactions/
Research infrastructures (including eInfrastructures)	http://ec.europa.eu/research/infrastructures/index_en.cfm

Marie Curie

Marie Skłodowska-Curie Work Programme 2018 - 2020	http://www.ist-africa.org/home/files/h2020-wp1820-msca_en.pdf
Marie Skłodowska-Curie Innovative Training Networks (ITN)	
Single Stage Calls 2018 - Deadline 17 January 2018	
H2020-MSCA-ITN-2018 (MSCA-ITN-ETN, MSCA-ITN-EID, MSCA-ITN-EJD)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2018.html
Marie Skłodowska-Curie Research and Innovation: European Researchers' Night	
Single Stage Calls 2018 - Deadline 14 February 2018	
MSCA-NIGHT-2018 (CSA)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-night-2018.html
Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)	
Single Stage Calls 2018 - Deadline 21 March 2018	
H2020-MSCA-RISE-2018	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-rise-2018.html
Individual Fellowships (IF)	
Single Stage Calls 2018 - Deadline 12 September 2018	
H2020-MSCA-IF-2018 (MSCA-IF-EF-CAR, MSCA-IF-EF-RI, MSCA-IF-EF-ST, MSCA-IF-EF-SE, MSCA-IF-GF)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-if-2018.html
MSCA-COFUND-2018: Co-funding of regional, national and international programmes	
Single Stage Calls 2018 - Deadline 27 September 2018	
H2020- MSCA-COFUND-2018	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-cofund-2018.html

Research Infrastructures Work Programme

Infrastructures 2018 – 2020 Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-infrastructures_en.pdf
Single stage calls 2018 - Deadline 22 March 2018	
Development and long-term sustainability of new pan-European research infrastructures (INFRADEV)	
INFRADEV-03-2018-2019 (RIA): Individual support to ESFRI and other world-class research infrastructures	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infradev-03-2018-2019.html
Implementing the European Open Science Cloud	
INFRAEOSC-01-2018 (RIA): Access to commercial services through the EOSC hub	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraesc-01-2018.html
INFRAEOSC-04-2018 (RIA): Connecting ESFRI infrastructures through Cluster projects	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraesc-04-2018.html
Integrating and opening research infrastructures of European interest	
INFRAIA-01-2018-2019 (RIA): Integrating Activities for Advanced Communities	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraia-01-2018-2019.html
European Data Infrastructure	
INFRAEDI-01-2018 (RIA): Pan-European High Performance Computing infrastructure and services (PRACE)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraedi-01-2018.html
INFRAEDI-02-2018 (RIA): HPC PPP - Centres of Excellence on HPC	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraedi-02-2018.html
INFRAEDI-02-2018 (CSA): HPC PPP - Centres of Excellence on HPC	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraedi-02-2018.html
INFRAEDI-03-2018 (CSA): Support to the governance of High Performance Computing Infrastructures	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraedi-03-2018.html
Support to policy and international cooperation (INFRASUPP)	
INFRASUPP-01-2018-2019 (CSA): Policy and international cooperation measures for research infrastructures	https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infrasupp-02-2017.html
INFRASUPP-01-2018-2019 (RIA): Policy and international cooperation measures for research infrastructures	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infrasupp-01-2018-2019.html
Single stage calls 2018 - Deadline 19 April 2018	
Implementing the European Open Science Cloud	
INFRAEOSC-05-2018-2019 (CSA): Support to the EOSC Governance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraesc-05-2018-2019.html

Single stage calls 2018 - Deadline 12 November 2018	
Development and long-term sustainability of new pan-European research infrastructures (INFRADEV)	
INFRADEV-01-2019-2020 (RIA): Design Studies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-dev-01-2019-2020.html
Implementing the European Open Science Cloud	
INFRAEOSC-05-2018-2019 (RIA): Support to the EOSC Governance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraeosc-05-2018-2019.html

II. Leadership in Enabling and Industrial Technologies

With the aim to make Europe a more attractive location for investment in research and innovation, it is envisaged that Horizon 2020 will build

- Leadership in enabling and industrial technologies with dedicated support for ICT, nanotechnologies, advanced materials, biotechnology, advanced manufacturing and processing, and space, while also providing support for cross-cutting actions to capture the accumulated benefits from combining several Key Enabling Technologies;
- Facilitate access to risk finance;
- Provide support for innovation in SMEs.

LEIT ICT Work Programme 2018 – 2020	http://www.ist-africa.org/home/files/h2020-wp1820-leit-ict_en.pdf
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ICT related challenges under the 2018 - 2020 Work Programme include Key-enabling Technologies (Micro-nano-electronics and photonics), Data Infrastructure, 5G and Next Generation Internet.

Leadership in Enabling and Industrial Technologies 2018 Calls

ICT 2018 - Information and Communications Technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-ict-2018-2020.html
Single Stage Calls 2018 - Deadline 31 Jan 2018	
EU-Japan Joint Call	
EUJ-01-2018: Advanced technologies (Security/Cloud/IoT/BigData) for a hyper-connected society in the context of Smart City	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/euj-01-2018.html
EUJ-02-2018: 5G and beyond	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/euj-02-2018.html
EU-Korea Joint Call	
EUK-01-2018 (RIA): Cloud, IoT and AI technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/euk-01-2018.html
EUK-02-2018 (RIA): 5G	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/euk-02-2018.html
5G	
ICT-17-2018 (RIA): 5G End to End Facility	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-17-2018.html
ICT-22-2018 (RIA): EU-China 5G Collaboration	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-22-2018.html

Single Stage Calls 2018 - Deadline 17 April 2018
Technologies for Digitising European Industry

ICT-02-2018 (RIA): Flexible and Wearable Electronics	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-02-2018.html
ICT-03-2018-2019 (RIA): Photonics Manufacturing Pilot Lines for Photonic Components and Devices	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-03-2018-2019.html
ICT-04-2018 (RIA): Photonics based manufacturing, access to photonics, datacom photonics and connected lighting	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-04-2018.html
ICT-04-2018 (IA): Photonics based manufacturing, access to photonics, datacom photonics and connected lighting	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-04-2018.html
ICT-07-2018 (IA): Electronic Smart Systems (ESS)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-07-2018.html
ICT-07-2018 (RIA): Electronic Smart Systems (ESS)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-07-2018.html
ICT-07-2018 (CSA): Electronic Smart Systems (ESS)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-07-2018.html

European Data Infrastructure: HPC, Big Data and Cloud technologies

ICT-11-2018-2019 (IA): HPC and Big Data enabled Large-scale Test-beds and Applications	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-11-2018-2019.html
ICT-12-2018-2020 (RIA): Big Data technologies and extreme-scale analytics	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-12-2018-2020.html
ICT-12-2018-2020 (CSA): Big Data technologies and extreme-scale analytics	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-12-2018-2020.html
ICT-13-2018-2019 (RIA): Supporting the emergence of data markets and the data economy	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-13-2018-2019.html
ICT-13-2018-2019 (CSA): Supporting the emergence of data markets and the data economy	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-13-2018-2019.html
ICT-16-2018 (CSA): Software Technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-16-2018.html
ICT-16-2018 (IA): Software Technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-16-2018.html
ICT-16-2018 (RIA): Software Technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-16-2018.html

5G

ICT-18-2018 (IA): 5G for cooperative, connected and automated mobility (CCAM)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-18-2018.html
ICT-21-2018 (CSA): EU-US Collaboration for advanced wireless platforms	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-21-2018.html

Next Generation Internet (NGI)

ICT-24-2018-2019 (RIA): Next Generation Internet - An Open Internet Initiative	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-24-2018-2019.html
ICT-24-2018-2019 (CSA): Next Generation Internet - An Open Internet Initiative	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-24-2018-2019.html
ICT-25-2018-2020 (CSA): Interactive Technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-25-2018-2020.html
ICT-26-2018-2020 (RIA): Artificial Intelligence	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-26-2018-2020.html
ICT-27-2018-2020 (CSA): Internet of Things	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-27-2018-2020.html

ICT-28-2018 (IA): Future Hyper-connected Sociality	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-28-2018.html
ICT-28-2018 (RIA): Future Hyper-connected Sociality	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-28-2018.html
ICT-28-2018 (CSA): Future Hyper-connected Sociality	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-28-2018.html
ICT-29-2018 (RIA): A multilingual Next Generation Internet	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-29-2018.html
ICT-29-2018 (IA): A multilingual Next Generation Internet	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-29-2018.html
ICT-31-2018-2019 (CSA): EU-US collaboration on NGI	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-31-2018-2019.html
Cross-cutting activities	
ICT-32-2018 (CSA): STARTS – The Arts stimulating innovation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-32-2018.html
ICT-32-2018 (RIA): STARTS – The Arts stimulating innovation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-32-2018.html
ICT-34-2018-2019 (PCP): Pre-Commercial Procurement	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-34-2018-2019.html
ICT-35-2018 (RIA): Fintech: Support to experimentation frameworks and regulatory compliance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-35-2018.html
Digitising and transforming European industry and services: digital innovation hubs and platforms	
Support to Hubs	
DT-ICT-02-2018 (IA): Robotics - Digital Innovation Hubs (DIH)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-02-2018.html
DT-ICT-02-2018 (CSA): Robotics - Digital Innovation Hubs (DIH)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-02-2018.html
DT-ICT-06-2018 (CSA): Coordination and Support Activities for Digital Innovation Hub network	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-06-2018.html
Platforms and Pilots	
DT-ICT-07-2018-2019 (IA): Digital Manufacturing Platforms for Connected Smart Factories	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-07-2018-2019.html
Single Stage Calls 2018 - Deadline 23 August 2018	
Cyber Security	
SU-ICT-01-2018 (IA): Dynamic countering of cyber-attacks	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-ict-01-2018.html
SU-ICT-04-2019 (IA): Photonics Innovation Hubs	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-ict-04-2019.html
Single Stage Calls 2018 - Deadline 14 November 2018	
European Data Infrastructure: HPC, Big Data and Cloud technologies	
ICT-11-2018-2019 (IA): HPC and Big Data enabled Large-scale Test-beds and Applications	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-11-2018-2019.html
Next Generation Internet (NGI)	
ICT-25-2018-2020 (RIA): Interactive Technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-25-2018-2020.html
Platforms and Pilots	
DT-ICT-08-2019 (IA): Agricultural digital integration platforms	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-08-2019.html

DT-ICT-10-2018-19 (IA): Interoperable and smart homes and grids	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-10-2018-19.html
DT-ICT-13-2019 (CSA): Digital Platforms/Pilots Horizontal Activities	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-ict-13-2019.html

III. Societal Challenges

As part of addressing the Europe 2020 strategy, funding will focus on the following challenges:

- Health, demographic change and wellbeing – Download [Work Programme](#)
- Food security, sustainable agriculture, marine and maritime research, and the bio-economy - Download [Work Programme](#)
- Secure, clean and efficient energy - Download [Work Programme](#)
- Smart, green and integrated transport - Download [Work Programme](#)
- Climate action, resource efficiency and raw materials - Download [Work Programme](#)
- Inclusive, innovative and reflective societies – Download [Work Programme](#)
- Secure Societies – Download [Work Programme](#)

Health, Demographic Change and Wellbeing Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-health_en.pdf
Food Security, Sustainable Agriculture, Marine and Maritime Research, and the Bio-Economy Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-food_en.pdf
Secure, Clean and Efficient Energy Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-energy_en.pdf
Smart, Green and Integrated Transport Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-transport_en.pdf
Climate Action, Resource Efficiency and Raw Materials Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-climate_en.pdf
Inclusive, Innovative and Reflective Societies Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-societies_en.pdf
Secure Societies Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-security_en.pdf

Societal Challenge 1: Health Demographic Change and Wellbeing

Health, Demographic Change and Wellbeing Work Programme

http://www.ist-africa.org/home/files/h2020-wp1820-health_en.pdf

Opportunities for international cooperation include:

- SC1-BHC-16-2018: Global Alliance for Chronic Diseases (GACD) - Scaling-up of evidence-based health interventions at population level for the prevention and management of hypertension and/or diabetes in low- and middle-income countries - Research and Innovation action, deadline: **18 April 2018**
- SC1-HCO-06-2018: Establishment of an International Network of Social Sciences Research Centres to help address governance and other challenges in the preparedness for and the response to infectious threats - Coordination & Support Action, deadline: **18 April 2018**
- SC1-BHC-19-2019: Implementation research for maternal and child health - Research and Innovation action, deadlines: First Stage: **02 October 2018**; Second Stage: 16 April 2019

Societal Challenge 1: Health Demographic Change and Wellbeing

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/health-demographic-change-and-wellbeing>

Two stage calls 2018 - Stage 1 Deadline: 2 February 2018, Stage 2 Deadline: 4 September 2018

Infectious diseases and improving global health

SC1-BHC-15-2018 (RIA): New anti-infective agents for prevention and/or treatment of neglected infectious diseases (NID)

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-15-2018.html>

Single stage calls 2018 - Deadline 18 April 2018

Personalised Medicine

SC1-BHC-03-2018 (RIA): Exploiting research outcomes and application potential of the human microbiome for personalised prediction, prevention and treatment of disease

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-03-2018.html>

SC1-BHC-04-2018 (COFUND-EJP): Rare Disease European Joint Programme Cofund

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-04-2018.html>

SC1-BHC-05-2018 (RIA): International flagship collaboration with Canada for human data storage, integration and sharing to enable personalised medicine approaches

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-05-2018.html>

SC1-HCO-01-2018-2019-2020 (CSA): Actions in support of the International Consortium for Personalised Medicine

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-01-2018-2019-2020.html>

SC1-HCO-02-2018 (CSA): Data integration and data-driven in-silico models for enabling personalised medicine -

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-02-2018.html>

a European standardization framework	
SC1-HCO-04-2018: (ERA-NET-Cofound): to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-04-2018.html
Innovative health and care industry	
SC1-BHC-09-2018 (RIA): Innovation platforms for advanced therapies of the future	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-09-2018.html
SC1-HCO-05-2018 (CSA): Strengthening regulatory sciences and supporting regulatory scientific advice	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-05-2018.html
Infectious diseases and improving global health	
SC1-BHC-16-2018 (RIA): Global Alliance for Chronic Diseases (GACD) - Scaling-up of evidence-based health interventions at population level for the prevention and management of hypertension and/or diabetes	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-16-2018.html
SC1-BHC-18-2018 (RIA): Translational collaborative cancer research between Europe and the Community of Latin American and Caribbean States (CELAC)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-18-2018.html
SC1-BHC-21-2018 (RIA): Research on HIV, tuberculosis (TB) and/or hepatitis C (HCV) in patients with mono-, co-infections and/or comorbidities in the context of fostering collaboration with the Russian Federation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-21-2018.html
SC1-HCO-06-2018 (CSA): Establishment of an International Network of Social Sciences Research Centres to help address governance and other challenges in the preparedness for and the response to infectious threats	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-06-2018.html
SC1-HCO-08-2018 (CSA): Creation of a European wide sustainable clinical research network for infectious diseases	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-08-2018.html
SC1-HCO-09-2018 (CSA): Building international efforts on population and patient cohorts	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-09-2018.html
SC1-HCO-10-2018 (CSA): Coordinating European brain research and developing global initiatives	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-10-2018.html
SC1-HCO-11-2018 (CSA): Strategic collaboration in health research and innovation between EU and China	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-11-2018.html
Innovative health and care systems - Integration of care	
SC1-BHC-23-2018 (RIA): Novel patient-centred approaches for survivorship, palliation and/or end-of-life care	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-23-2018.html

SC1-BHC-26-2018 (RIA): HTA research to support evidence-based healthcare	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-26-2018.html
SC1-HCO-12-2018 (CSA): Innovation in healthcare - a CSA towards using pre-commercial procurement and public procurement of innovative solutions in healthcare systems	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-12-2018.html
Decoding the role of the environment, including climate change, for health and well-being	
SC1-BHC-27-2018 (RIA): New testing and screening methods to identify endocrine disrupting chemicals	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-27-2018.html
SC1-HCO-13-2018 (CSA): Setting the priorities for a European environment, climate and health research agenda	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-13-2018.html
Single stage calls 2018 - Deadline 24 April 2018	
Digital transformation in Health and Care	
SC1-DTH-03-2018 (RIA): Adaptive smart working and living environments supporting active and healthy ageing	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-dth-03-2018.html
SC1-DTH-07-2018 (RIA): Exploiting the full potential of in-silico medicine research for personalised diagnostics and therapies in cloud-based environments	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-dth-07-2018.html
SC1-DTH-08-2018 (RIA): Prototyping a European interoperable Electronic Health Record (EHR) exchange	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-dth-08-2018.html
SC1-HCC-01-2018 (CSA): Supporting investment in smart living environments for ageing well through certification	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hcc-01-2018.html
SC1-HCC-03-2018 (CSA): Support to further development of international cooperation in digital transformation of health and care	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hcc-03-2018.html
SC1-HCC-04-2018 (CSA): Digital health and care services – support for strategy and (early) adoption	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hcc-04-2018.html
SC1-HCC-05-2018 (CSA): Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hcc-05-2018.html
Trusted digital solutions and Cybersecurity in Health and Care - Focus Area on Boosting the effectiveness of the Security Union	
SU-TDS-02-2018 (RIA): Toolkit for assessing and reducing cyber risks in hospitals and care centres to protect privacy/data/infrastructures	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-tds-02-2018.html
SU-TDS-03-2018 (CSA): Raising awareness and developing training schemes on cybersecurity in hospitals	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-tds-03-2018.html

Two stage calls 2018-2019 - Stage 1 Deadline: 2 October 2018, Stage 2 Deadline: 16 April 2019

Personalised medicine

SC1-BHC-01-2019 (RIA): Understanding causative mechanisms in co- and multimorbidities	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-01-2019.html
SC1-BHC-02-2019 (RIA): Systems approaches for the discovery of combinatorial therapies for complex disorders	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-02-2019.html

Infectious diseases and improving global health

SC1-BHC-14-2019 (RIA): Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-14-2019.html
SC1-BHC-19-2019 (RIA): Implementation research for maternal and child health	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-19-2019.html

Innovative health and care systems - Integration of care

SC1-BHC-22-2019 (RIA): Mental health in the workplace	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-22-2019.html
SC1-BHC-25-2019 (IA): Demonstration pilots for implementation of personalised medicine in healthcare	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-25-2019.html

Single stage calls 2018 - Deadline 14 November 2018

Digital transformation in Health and Care

SC1-DTH-10-2019-2020 (PCP); Digital health and care services	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-dth-10-2019-2020.html
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Trusted digital solutions and Cybersecurity in Health and Care - Focus Area on Boosting the effectiveness of the Security Union

DT-TDS-01-2019 (IA); Smart and healthy living at home	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-tds-01-2019.html
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Societal Challenge 2: Food security, sustainable agriculture, marine and maritime research, and the bio-economy

Food Security, Sustainable Agriculture, Marine and Maritime Research, and the Bio-Economy Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-food_en.pdf
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This Work Programme will leverage research and innovation to address five challenges:

- Climate change and resilience on land and sea.
- Making the transition towards a circular bioeconomy
- Fostering functional ecosystems, sustainable food systems, healthy lifestyles
- Boosting major innovations on land and sea – new products, value chains and markets.
- Developing smart, connected territories and value chains in rural and coastal areas.

Opportunities for international cooperation include:

- SFS-33-2018: Support to the implementation of the EU-Africa Research and Innovation Partnership on Food and Nutrition Security & Sustainable Agriculture (FNSSA) - Coordination and Support Action requiring at least **eight participants from Africa** - deadline **13 February 2018**
- SFS-12-2019: A vaccine against African swine fever - Innovation Action - deadline **23 January 2019**
- SFS-35-2019-2020: Sustainable Intensification in Africa - Research and Innovation Action - deadlines: First Stage: **23 Jan 2019**; Second stage 04 Sept 2019. Sub-topic A: proposals shall include at least five participants from specific region of Africa (as defined by the African Union) and a minimum of eight participants from Africa / Sub-topic B: proposals shall include at least eight participants from Africa. Due to logistics the laboratory for soil sample analysis should be located on the African continent.

Societal Challenge 2: Food security, sustainable agriculture, marine and maritime research, and the bio-economy		http://ec.europa.eu/programmes/horizon2020/en/h2020-section/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water
Single stage calls 2018 - Deadline 13 February		
From functional ecosystems to healthy food		
LC-SFS-03-2018(IA): Microbiome applications for sustainable food systems	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-03-2018.html	
DT-SFS-14-2018(IA): Personalized Nutrition	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-sfs-14-2018.html	
LC-SFS-15-2018(CSA): Future proofing our plants	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-15-2018.html	
Environment and climate-smart food production and consumption		
CE-SFS-25-2018(IA): Integrated system innovation in valorising urban biowaste	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sfs-25-2018.html	
Building capacities		
SFS-28-2018-2019-2020(CSA): Genetic resources and pre-breeding communities	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-28-2018-2019-2020.html	

Targeted international cooperation	
SFS-32-2018(CSA): Supporting microbiome coordination and the International Bioeconomy Forum	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-01-2018.html
SFS-33-2018(CSA): Support to the implementation of the EU-Africa Research and Innovation Partnership on Food and Nutrition Security & Sustainable Agriculture (FNSSA)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-02-2018.html
Blue Growth	
BG-01-2018(CSA): Towards a Baltic and North Sea research and innovation programme	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-01-2018.html
BG-02-2018(ERA-NET-Cofund): Blue Bioeconomy Public-Public Partnership	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-02-2018.html
BG-08-2018-2019 (CSA): All Atlantic Ocean Research Alliance Flagship	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-08-2018-2019.html
DT-BG-04-2018-2019 (IA): Sustainable European aquaculture 4.0: nutrition and breeding	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-bg-04-2018-2019.html
Rural Renaissance	
From farm to society: understanding dynamics and modernising policies	
RUR-01-2018-2019 (CSA): Building modern rural policies on long-term visions and societal engagement	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-01-2018-2019.html
Organising sustainable food and non-food value chains under changing conditions	
RUR-09-2018(CSA): Realising the potential of regional and local bio-based economies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-09-2018.html
Taking advantage of the digital revolution	
DT-RUR-12-2018(IA): ICT Innovation for agriculture – Digital Innovation Hubs for Agriculture	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-rur-12-2018.html
RUR-13-2018(CSA): Enabling the farm advisor community to prepare farmers for the digital age	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-13-2018.html
RUR-14-2018(IA): Digital solutions and e-tools to modernise the CAP	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-14-2018.html
Boosting innovation and enhancing the human and social capital in rural areas	
RUR-15-2018-2019-2020(CSA): Thematic networks compiling knowledge ready for practice	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-15-2018-2019-2020.html
Two stage calls 2018- Stage 1 Deadline: 13 February 2018, Stage 2 Deadline: 11 September 2018	
From functional ecosystems to healthy food	
SFS-01-2018-2019-2020(RIA): Biodiversity in action: across farmland and the value chain	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-01-2018-2019-2020.html
SFS-05-2018-2019-2020(RIA): New and emerging risks to plant health	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-05-2018-2019-2020.html
SFS-06-2018-2020(RIA): Stepping up integrated pest	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-06-2018-2020.html

management	
SFS-07-2018(RIA): Making European beekeeping healthy and sustainable	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-07-2018.html
SFS-08-2018-2019(RIA): Improving animal welfare	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-08-2018-2019.html
SFS-11-2018-2019(RIA): Anti-microbials and animal production	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-11-2018-2019.html
SFS-16-2018(RIA): Towards healthier and sustainable food	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-16-2018.html
Environment and climate-smart food production and consumption	
LC-SFS-19-2018-2019(RIA): Climate-smart and resilient farming	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-19-2018-2019.html
Building capacities	
SFS-27-2018(RIA): Monitoring food R&I investments and impacts	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-27-2018.html
SFS-29-2018(RIA): Innovations in plant variety testing	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-29-2018.html
SFS-30-2018-2019-2020(RIA): Agri-Aqua Labs	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-30-2018-2019-2020.html
Targeted international cooperation	
SFS-38-2018(RIA): Highly efficient management of soil quality and land resources	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-38-2018.html
Blue Growth	
LC-BG-03-2018(RIA): Sustainable harvesting of marine biological resources	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-bg-03-2018.html
BG-08-2018-2019 (RIA): All Atlantic Ocean Research Alliance Flagship	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-08-2018-2019.html
Rural Renaissance	
From farm to society: understanding dynamics and modernising policies	
CE-RUR-08-2018-2019-2020 (RIA): Closing nutrient cycles	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-rur-08-2018-2019-2020.html
RUR-01-2018-2019(RIA): Building modern rural policies on long-term visions and societal engagement	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-01-2018-2019.html
RUR-02-2018(RIA): Socio-economic impacts of digitisation of agriculture and rural areas	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-02-2018.html
RUR-03-2018(RIA): Contracts for effective and lasting delivery of agri-environmental public goods	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-03-2018.html
RUR-04-2018-2019(RIA): Analytical tools and models to support policies related to agriculture and food	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-04-2018-2019.html

Societal Challenge 3: Secure, Clean and Efficient Energy

Secure, Clean and Efficient Energy Work Programme

http://www.ist-africa.org/home/files/h2020-wp1820-energy_en.pdf

This work programme is focused on four focal areas: Building a low-carbon, climate resilient future; Connecting economic and environmental gains - the Circular Economy; Digitising and transforming European industry and services and Boosting the effectiveness of the Security Union.

Opportunities for international cooperation include:

- LC-SC3-JA-4-2018: Support action in preparation of a Joint Programming activity - Coordination & Support Action, deadline: **31 January 2018**
- LC-SC3-JA-5-2019: Joint Programming with EU and African partners for a R&I actions in the area of renewable energy - COFUND (European Joint Programme), deadline: **27 August 2019**

Societal Challenge 3: Secure, Clean and Efficient Energy		http://ec.europa.eu/programmes/horizon2020/en/h2020-section/secure-clean-and-efficient-energy
Two stage calls 2018 - Stage 1 Deadline: 31 January 2018, Stage 2 Deadline: 23 August 2018		
Global leadership in renewables		
LC-SC3-RES-4-2018(RIA): Renewable energy system integrated at the building scale	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-4-2018.html	
LC-SC3-RES-11-2018(RIA): Developing solutions to reduce the cost and increase performance of renewable technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-11-2018.html	
Single stage calls 2018 - Deadline 31 January 2018		
Joint Actions		
LC-SC3-JA-4-2018(CSA): Support action in preparation of a Joint Programming activity	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ja-4-2018.html	
Single stage calls 2018 - Deadline 13 February 2018		
Global leadership in renewables		
LC-SC3-RES-5-2018(IA): Increased performance of technologies for local heating and cooling solutions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-12-2018.html	
LC-SC3-RES-6-2018(IA): Demonstrate significant cost reduction for Building Integrated PV (BIPV) solutions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-6-2018.html	
LC-SC3-RES-12-2018(IA): Demonstrate highly performant renewable technologies for combined heat and power (CHP) generation and their integration in the EU's energy system	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-12-2018.html	
LC-SC3-RES-13-2018(IA): Demonstrate solutions that significantly reduce the cost of renewable power generation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-13-2018.html	
LC-SC3-RES-21-2018(RIA): Development of next generation biofuels and alternative renewable fuel technologies for road	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-21-2018.html	

transport	
LC-SC3-RES-28-2018-2019-2020(CSA): Market Uptake support	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-28-2018-2019-2020.html
Single stage calls 2018 - Deadline 5 April 2018	
Global leadership in renewables	
LC-SC3-RES-22-2018(IA): Demonstration of cost effective advanced biofuel pathways in retrofitted existing industrial installations	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-22-2018.html
Smart citizen-centred energy system	
LC-SC3-ES-3-2018-2020(IA): Integrated local energy systems (Energy islands)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-3-2018-2020.html
LC-SC3-ES-4-2018-2020(IA): Decarbonising energy systems of geographical Islands	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-4-2018-2020.html
LC-SC3-ES-5-2018-2020(IA): TSO – DSO – Consumer: Large-scale demonstrations of innovative grid services through demand response, storage and small-scale (RES) generation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-5-2018-2020.html
LC-SC3-ES-7-2018(CSA): Pan-European Forum for R&I on Smart Grids, Flexibility and Local Energy Networks	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-7-2018.html
Smart Cities and Communities	
LC-SC3-SCC-1-2018-2019-2020(IA): Smart Cities and Communities	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html
Single stage calls 2018 - Deadline 19 April 2018	
Global leadership in renewables	
LC-SC3-RES-2-2018(IA): Disruptive innovation in clean energy technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-2-2018.html
Cross-cutting issues	
LC-SC3-CC-4-2018(CSA): Support to sectorial fora	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-4-2018.html
Single stage calls 2018 - Deadline 4 September 2018	
Secure, clean and efficient energy	
Energy efficiency	
LC-SC3-EE-1-2018-2019-2020(IA): Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-1-2018-2019-2020.html
LC-SC3-EE-2-2018-2019(CSA): Integrated home renovation services	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-2-2018-2019.html
LC-SC3-EE-5-2018-2019-2020(CSA): Next-generation of Energy Performance Assessment and Certification	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-5-2018-2019-2020.html

LC-SC3-EE-6-2018-2019-2020(IA): Business case for industrial waste heat/cold recovery	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-6-2018-2019-2020.html
LC-SC3-EE-8-2018-2019(CSA): Capacity building programmes to support implementation of energy audits	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-8-2018-2019.html
LC-SC3-EE-9-2018-2019(CSA): Innovative financing for energy efficiency investments	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-9-2018-2019.html
LC-SC3-EE-10-2018-2019-2020(CSA): Mainstreaming energy efficiency finance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-10-2018-2019-2020.html
LC-SC3-EE-11-2018-2019-2020(CSA): Aggregation - Project Development Assistance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-11-2018-2019-2020.html
LC-SC3-EE-13-2018-2019-2020(CSA): Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side as energy resource	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-13-2018-2019-2020.html
LC-SC3-EE-14-2018-2019-2020(RIA): Socio-economic research conceptualising and modelling energy efficiency and energy demand	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-14-2018-2019-2020.html
LC-SC3-EE-15-2018(CSA): New energy label driving and boosting innovation in products energy efficiency	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-15-2018.html
LC-SC3-EE-16-2018-2019-2020(CSA): Supporting public authorities to implement the Energy Union	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-16-2018-2019-2020.html
Smart and clean energy for consumers	
LC-SC3-EC-1-2018-2019-2020(CSA): The role of consumers in changing the market through informed decision and collective actions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-1-2018-2019-2020.html
LC-SC3-EC-2-2018-2019-2020(CSA): Mitigating household energy poverty	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-2-2018-2019-2020.html
Single stage calls 2018 - Deadline 6 September 2018	
Enabling near-zero CO2 emissions from fossil fuel power plants and carbon intensive industries	
LC-SC3-NZE-1-2018(RIA): Advanced CO2 capture technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-1-2018.html
CE-SC3-NZE-2-2018(RIA): Conversion of captured CO2	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc3-nze-2-2018.html
LC-SC3-NZE-3-2018(CSA): Strategic planning for CCUS development	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-3-2018.html
Cross-cutting issues	
LC-SC3-CC-1-2018-2019-2020(RIA): Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-1-2018-2019-2020.html
LC-SC3-CC-2-2018(RIA): Modelling in support to the transition to a Low-Carbon Energy System in Europe	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-2-2018.html
LC-SC3-CC-5-2018(CSA): Research, innovation and educational capacities for energy transition	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-5-2018.html

LC-SC3-CC-6-2018(CSA): Transition in coal intensive regions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-6-2018.html
Single stage calls 2018 - Deadline 11 September 2018	
Joint Actions	
LC-SC3-JA-1-2018(ERA-NET-Cofund): Joint programming actions to foster innovative energy solutions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ja-1-2018.html
LC-SC3-JA-2-2018(CSA): Support to the realisation of the Implementation Plans of the SET Plan	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ja-2-2018.html
Two stage calls 2018 - Stage 1 Deadline: 16 October 2018, Stage 2 Deadline: 25 April 2019	
Global leadership in renewables	
LC-SC3-RES-1-2019-2020 (RIA): Developing the next generation of renewable energy technologies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-1-2019-2020.html
LC-SC3-RES-14-2019 (RIA); Optimising manufacturing and system operation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-14-2019.html
Single stage calls 2018 - Deadline 11 December 2018	
Global leadership in renewables	
LC-SC3-RES-8-2019 (IA); Combining Renewable Technologies for a Renewable District Heating and/or Cooling System	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-8-2019.html
LC-SC3-RES-15-2019 (IA): Increase the competitiveness of the EU PV manufacturing industry	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-15-2019.html
LC-SC3-RES-24-2019 (IA): Boosting pre-commercial production of advanced aviation biofuels	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-24-2019.html

Societal Challenge 4: Smart, Green and Integrated Transport

Smart, Green and Integrated Transport Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-transport_en.pdf
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This work programme is structured in four broad lines of activities aiming at:

- Resource efficient transport that respects the environment;
- Better mobility, less congestion, more safety and security;
- Global leadership for the European transport industry; and
- Socio-economic and behavioural research and forward-looking activities for policy making.

These activities are addressed in this Work Programme by three Calls for proposals:

- Mobility for Growth

Prepared by IST-Africa Initiative (www.IST-Africa.org/home/default.asp?page=horizon2020)

2. Digitising and transforming European industry and services: Automated Road Transport
3. Building a low-carbon, climate resilient future: Green Vehicles

Societal Challenge 4: Smart, green and integrated transport		http://ec.europa.eu/programmes/horizon2020/en/h2020-section/smart-green-and-integrated-transport
Two stage calls 2018 - Stage 1 Deadline: 30 January 2018, Stage 2 Deadline: 19 September 2018		
Building a Low-Carbon, Climate Resilient Future: Low-Carbon And Sustainable Transport		
LC-MG-1-1-2018(RIA): InCo flagship on reduction of transport impact on air quality		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-1-2018.html
LC-MG-1-2-2018(RIA): Sustainable multi-modal inter-urban transport, regional mobility and spatial planning.		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-2-2018.html
LC-MG-1-3-2018(RIA): Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-3-2018.html
LC-MG-1-4-2018(RIA): Hardening vehicle environmental protection systems against tampering		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-4-2018.html
Safe, Integrated and Resilient Transport Systems		
MG-2-1-2018(RIA): Human Factors in Transport Safety		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-1-2018.html
MG-2-2-2018(RIA): Marine Accident Response		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-2-2018.html
MG-2-2-2018(IA): Marine Accident Response		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-2-2018.html
Global Leadership and Competitiveness		
MG-3-1-2018(RIA): Multidisciplinary and collaborative aircraft design tools and processes		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-3-1-2018.html
MG-3-2-2018(IA): The Autonomous Ship		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-3-2-2018.html
MG-3-3-2018(RIA): "Driver" behaviour and acceptance of connected, cooperative and automated transport		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-3-3-2018.html
Single stage calls 2018 - Deadline 4 April 2018		
Building A Low-Carbon, Climate Resilient Future: Low-Carbon and Sustainable Transport		
LC-MG-1-3-2018(CSA): Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-3-2018.html
Safe, Integrated and Resilient Transport Systems		
MG-2-3-2018(CSA): Airworthiness of mass-market drones		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-3-2018.html
MG-2-4-2018(CSA): Coordinating national efforts in modernizing transport infrastructure and provide innovative mobility services		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-4-2018.html
MG-2-5-2018(RIA): Innovative technologies for improving aviation safety and certification in icing conditions (InCo		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-5-2018.html

flagship)	
Accounting for the People	
MG-4-1-2018(CSA): New regulatory frameworks to enable effective deployment of emerging technologies and business/operating models for all transport modes	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-1-2018.html
MG-4-2-2018(CSA): Building Open Science platforms in transport research	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-2-2018.html
MG-4-3-2018(RIA): Demographic change and participation of women in transport	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-3-2018.html
MG-4-4-2018-2019(CSA): Support for dissemination events in the field of Transport Research	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-4-2018-2019.html
Blue Growth	
MG-BG-01-2018(RIA): Unmanned and autonomous survey activities at sea	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-bg-01-2018.html
Digitising and Transforming European Industry and Services: Automated Road Transport	
DT-ART-01-2018(RIA): Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-01-2018.html
DT-ART-02-2018(RIA): Support for networking activities and impact assessment for road automation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-02-2018.html
DT-ART-02-2018 (CSA): Support for networking activities and impact assessment for road automation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-02-2018.html
Building a low-carbon, climate resilient future: Green Vehicles	
LC-GV-02-2018(RIA): Virtual product development and production of all types of electrified vehicles and components	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-gv-02-2018.html
LC-GV-01-2018 (IA): Integrated, brand-independent architectures, components and systems for next generation electrified vehicles optimised for the infrastructure	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-gv-01-2018.html

Societal Challenge 5: Climate action, resource efficiency and raw materials

Climate Action, Resource Efficiency and Raw Materials Work Programme http://www.ist-africa.org/home/files/h2020-wp1820-climate_en.pdf

This work programme is focused on six priorities:

- Climate action in support of the Paris Agreement
- Circular economy
- Raw materials
- Water for our environment, economy and society
- Innovating cities for sustainability and resilience
- Protecting and leveraging the value of our natural and cultural assets (which includes Earth observation, nature-based solutions, disaster risk reduction and natural capital accounting, and heritage alive).

Societal Challenge 5: Climate action, resource efficiency and raw materials	http://ec.europa.eu/programmes/horizon2020/en/h2020-section/climate-action-environment-resource-efficiency-and-raw-materials
Two stage calls 2018 - Stage 1 Deadline: 27 February 2018, Stage 2 Deadline: 4 September 2018	
Building a low carbon, climate resilient future	
Decarbonisation	
LC-CLA-01-2018 (RIA): Supporting the development of climate policies to deliver on the Paris Agreement, through Integrated Assessment Models (IAMs)	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-01-2018.html
Climate Adaptation, impacts and services	
LC-CLA-03-2018 (RIA): Climate change impacts in Europe	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-03-2018.html
LC-CLA-04-2018 (RIA): Resilience and sustainable reconstruction of historic areas to cope with climate change and hazard events	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-04-2018.html
Knowledge gaps	
LC-CLA-08-2018 (RIA): Addressing knowledge gaps in climate science, in support of IPCC reports	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-08-2018.html
Greening the economy in line with Sustainable Development Goals	
Connecting economic and environmental gains - the circular economy	
CE-SC5-01-2018 (RIA): Methods to remove hazardous substances and contaminants from secondary raw materials	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-01-2018.html
CE-SC5-03-2018 (IA): Demonstrating systemic urban development for circular and regenerative cities	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-03-2018.html

Raw materials	
CE-SC5-06-2018 (RIA): New technologies for the enhanced recovery of by-products	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-06-2018.html
CE-SC5-07-2018-2019-2020 (IA): Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-07-2018-2019-2020.html
SC5-09-2018-2019 (RIA): New solutions for the sustainable production of raw materials	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-09-2018-2019.html
Water for our environment, economy and society	
SC5-11-2018 (RIA): Digital solutions for water: linking the physical and digital world for water solutions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-11-2018.html
Innovating cities for sustainability and resilience	
SC5-13-2018-2019 (RIA): Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-13-2018-2019.html
Protecting and leveraging the value of our natural and cultural assets: Earth observation	
SC5-15-2018 (IA): Strengthening the benefits for Europe of the Global Earth Observation System of Systems (GEOSS) - establishing 'EuroGEOSS'	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-15-2018.html
Protecting and leveraging the value of our natural and cultural assets: Nature-based solutions, disaster risk reduction and natural capital accounting	
SC5-17-2018 (RIA): Towards operational forecasting of earthquakes and early warning capacity for more resilient societies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-17-2018.html
Single stage calls 2018 - Deadline 27 February 2018	
Greening the economy in line with Sustainable Development Goals	
Connecting economic and environmental gains - the circular economy	
CE-SC5-05-2018 (CSA): Coordinated approaches to funding and promotion of research and innovation for the circular economy	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-05-2018.html
Raw materials	
CE-SC5-08-2018-2019-2020 (CSA): Raw materials policy support actions for the circular economy	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-08-2018-2019-2020.html
Water for our environment, economy and society	
SC5-12-2018 (RIA): EU-India water co-operation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-12-2018.html
Protecting and leveraging the value of our natural and cultural assets: Nature-based solutions, disaster risk reduction and natural capital accounting	
SC5-18-2018 (CSA): Valuing nature: mainstreaming natural capital in policies and in business decision-making	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-18-2018.html

Protecting and leveraging the value of our natural and cultural assets: Heritage alive	
SC5-19-2018 (CSA): International network to promote cultural heritage innovation and diplomacy	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-19-2018.html
Second stage calls 2018 - Deadline 4 September 2018	
Greening the economy in line with Sustainable Development Goals	
Connecting economic and environmental gains - the circular economy	
CE-SC5-02-2018 (RIA): Independent testing programme on premature obsolescence	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-02-2018.html

Societal Challenge 6: Inclusive, innovative and reflective societies

Inclusive, Innovative and Reflective Societies Work Programme http://www.ist-africa.org/home/files/h2020-wp1820-societies_en.pdf

The three SC6 calls for proposals on migration, transformations and governance encourage multidisciplinary, cross-national, comparative and participatory approaches.

Societal Challenge 6: Inclusive, innovative and reflective societies http://ec.europa.eu/programmes/horizon2020/en/h2020-section/europe-changing-world-inclusive-innovative-and-reflective-societies	
Single stage calls 2018 - Deadline 13 March 2018	
Migration	
MIGRATION-02-2018(RIA): Towards forward-looking migration governance: addressing the challenges, assessing capacities and designing future strategies	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-02-2018.html
MIGRATION-05-2018-2020(RIA): Mapping and overcoming integration challenges for migrant children	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-05-2018-2020.html
DT-MIGRATION-06-2018-2019(IA): Addressing the challenge of migrant integration through ICT-enabled solutions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-migration-06-2018-2019.html
MIGRATION-08-2018(RIA): Addressing the challenge of forced displacement	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-08-2018.html
Socioeconomic and Cultural Transformations in the context of the Fourth Industrial Revolution	
TRANSFORMATIONS-01-2018(RIA): Research for inclusive growth: addressing the socioeconomic effects of technological transformations	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-01-2018.html
DT-TRANSFORMATIONS-02-2018-2019-2020(RIA): Transformative impact of disruptive technologies in public services	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-02-2018-2019-2020.html
TRANSFORMATIONS-03-2018-2019(CSA): Innovative solutions for inclusive and sustainable urban environments	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-03-2018-2019.html
TRANSFORMATIONS-05-2018(CSA): Cities as a platform for citizen-driven innovation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-05-2018.html
TRANSFORMATIONS-06-2018(RIA): Inclusive and sustainable growth through cultural and creative industries and the arts	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-06-2018.html
SU-TRANSFORMATIONS-09-2018(CSA): Social platform on endangered cultural heritage and on illicit trafficking of cultural goods	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-transformations-09-2018.html

TRANSFORMATIONS-14-2018(RIA): Supply and demand-oriented economic policies to boost robust growth in Europe – Addressing the social and economic challenges in Europe	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-14-2018.html
DT-TRANSFORMATIONS-12-2018-2020 (IA): Curation of digital assets and advanced digitisation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-12-2018-2020.html
Governance for the Future	
GOVERNANCE-02-2018-2019(RIA): Past, present and future of differentiation in European governance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-02-2018-2019.html
GOVERNANCE-03-2018(RIA): Addressing populism and boosting civic and democratic engagement	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-03-2018.html
DT-GOVERNANCE-05-2018-2019-2020(CSA): New forms of delivering public goods and inclusive public services	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-governance-05-2018-2019-2020.html
GOVERNANCE-06-2018(RIA): Trends and forward-looking scenarios in global governance	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-06-2018.html
GOVERNANCE-08-2018(CSA): Partnering for viability assessments of innovative solutions for markets outside Europe	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-08-2018.html
SU-GOVERNANCE-11-2018(CSA): Extreme ideologies and polarisation	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-governance-11-2018.html
GOVERNANCE-14-2018(ERA-NET-Cofund): ERA-Net Cofund - Renegotiating democratic governance in times of disruptions	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-14-2018.html
GOVERNANCE-15-2018(CSA): Taking lessons from the practices of interdisciplinarity in Europe	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-15-2018.html

Societal Challenge 7: Secure Societies

Secure Societies Work Programme	http://www.ist-africa.org/home/files/h2020-wp1820-security_en.pdf
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All actions under this work programme contribute to the Focus Area 'Boosting the effectiveness of the Security Union'.

Societal Challenge 7: Secure Societies		http://ec.europa.eu/programmes/horizon2020/en/h2020-section/secure-societies-%E2%80%93-protecting-freedom-and-security-europe-and-its-citizens
Single stage calls 2018- Deadline 23 August 2018		
Protecting the infrastructure of Europe and the people in the European smart cities		
SU-INFRA01-2018-2019-2020(IA): Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-infra01-2018-2019-2020.html
Security		
Disaster-Resilient Societies		
SU-DRS01-2018-2019-2020(RIA): Human factors, and social, societal, and organisational aspects for disaster-resilient societies		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs01-2018-2019-2020.html
SU-DRS02-2018-2019-2020(RIA): Technologies for first responders		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs02-2018-2019-2020.html
SU-DRS03-2018-2019-2020(IA): Pre-normative research and demonstration for disaster-resilient societies		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs03-2018-2019-2020.html
Fight against Crime and Terrorism		
SU-FCT01-2018-2019-2020(RIA): Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct01-2018-2019-2020.html
SU-FCT02-2018-2019-2020(RIA): Technologies to enhance the fight against crime and terrorism		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct02-2018-2019-2020.html
SU-FCT03-2018-2019-2020(IA): Information and data stream management to fight against (cyber)crime and terrorism		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct03-2018-2019-2020.html
Border and External Security		
SU-BES01-2018-2019-2020(RIA): Human factors, and social, societal, and organisational aspects of border and external security		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-bes01-2018-2019-2020.html
SU-BES02-2018-2019-2020(RIA): Technologies to enhance border and external security		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-bes02-2018-2019-2020.html
SU-BES03-2018-2019-2020(IA): Demonstration of applied solutions to enhance border and external security		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-bes03-2018-2019-2020.html
General Matters		
SU-GM01-2018-2019-2020(CSA): Pan-European networks of practitioners and other actors in the field of security		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-gm01-2018-2019-2020.html
SU-GM02-2018-2020(CSA): Strategic pre-commercial procurements of innovative, advanced systems to support security		http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-gm02-2018-2020.html

SU-GM03-2018-2019-2020(PCP): Pre-commercial procurements of innovative solutions to enhance security	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-gm03-2018-2019-2020.html
Digital Security	
Cybersecurity, Digital Privacy and data protection	
SU-DS01-2018(IA): Cybersecurity preparedness - cyber range, simulation and economics	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-ds01-2018.html
SU-DS04-2018-2020(IA): Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks and data breaches	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-ds04-2018-2020.html
SU-DS05-2018-2019(IA): Digital security, privacy, data protection and accountability in critical sectors	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-ds05-2018-2019.html

Relevant Links

Please visit the Horizon 2020 section within the Participants portal to download the Proposers Guide and specific templates to prepare proposals for submission under calls open in 2018 - 2019 within specific Societal Challenges and LEIT themes:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

Relevant Links to get more information	
Horizon 2020 Official site	http://ec.europa.eu/programmes/horizon2020/
Horizon 2020 Calls on Participants Portal	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html
Frequently Asked Questions on Horizon 2020	http://ec.europa.eu/programmes/horizon2020/en/faq
Call for Experts for Horizon 2020 Advisory Groups	http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-experts
International Cooperation in Research and Innovation, Communication COM (2012) 497 Sept 2012	http://www.ist-africa.org/home/files/InternationalCooperation_ResearchInnovation_Com_2012_497_Sept2012.pdf
Innovation Union Europe 2020 Initiative	http://ec.europa.eu/research/innovation-union/index_en.cfm