



## Opportunities for Researchers from the Socio-economic Sciences and Humanities (SSH) in Horizon 2020

A short guide on SSH-relevant Topics  
Work Programme 2018/20



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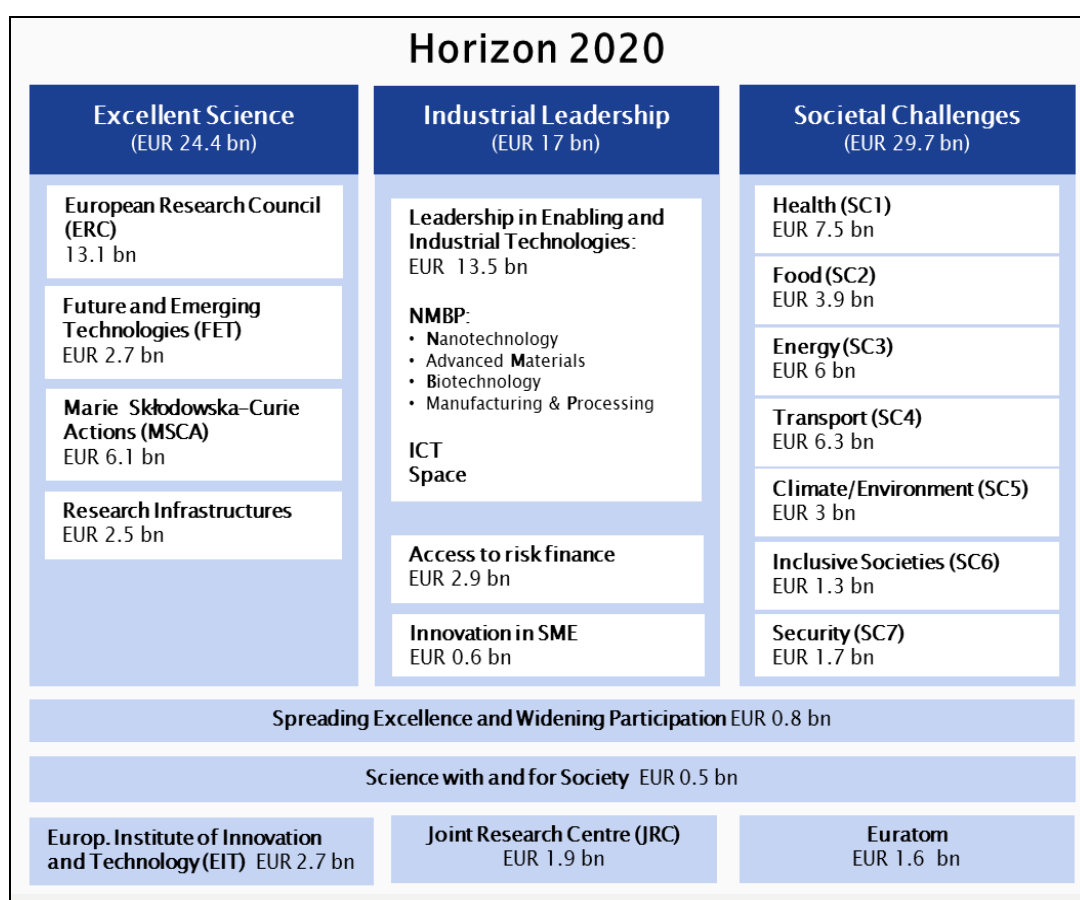


# Introduction

## Introductory note

This document aims to give an overview of Horizon 2020 calls and topics with substantial Social Sciences and Humanities (SSH) aspects. It relies on the document "Opportunities for Researchers from the Socio-economic Sciences and Humanities in Horizon 2020", provided by the NCP network Net4Society4. The compilation will be continually adapted and makes no claim to be complete.

## Structure of Horizon 2020



### DISCLAIMER

Information on calls might be subject to change. Researchers need to consult the Participant Portal to receive the latest information on calls.

The list of the SSH disciplines used to fill the item "Main keywords" follows the adaptation made by the EC following the UNESCO International Standard Classification of Education (ISCED 2011) and may be consulted at [http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/ssh\\_en.htm#listSSH](http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/ssh_en.htm#listSSH)

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# EXCELLENCE SCIENCE

## European Research Council

Title	SSH Aspects	Deadlines (dd.mm.yyyy)
<b>ERC-2018-STG</b> ERC - Starting Grant	ERC Starting Grants are designed to support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme. Applicant Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/erc-2018-stg.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/erc-2018-stg.html</a>	17.10.2017
<b>ERC-2018-COG</b> ERC - Consolidator Grant	ERC Consolidator Grants are designed to support excellent Principal Investigators at the career stage at which they may still be consolidating their own independent research team or programme. Applicant Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/erc-2018-cog.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/erc-2018-cog.html</a>	15.02.2018
<b>ERC-2018-ADG</b> ERC - Advanced Grant	ERC Advanced Grants are designed to support excellent Principal Investigators at the career stage at which they are already established research leaders with a recognised track record of research achievements. Applicant Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.  (The call ERC-2018-AdG is planned to be published and be opened for submission on the Participant Portal in May 2018)	30.08.2018
<b>ERC-2018-SYG</b> ERC - Synergy Grant	ERC Synergy Grants are intended to enable minimum two to maximum four Principal Investigators and their teams to bring together complementary skills, knowledge, and resources in new ways, in order to jointly address ambitious research problems.  (The call was closed on 14 November 2017)	14.11.2017

This document provides details only on the 2018 open and forthcoming calls (Consolidator and Advanced Grants); details on the Starting and Synergy Grants will be provided on the 2019 update.



## Marie Skłodowska-Curie Action

Title	SSH Aspects	Deadlines (dd.mm.yyyy)
<b>MSCA-COFUND-2018</b> Marie Skłodowska-Curie - Co-funding of regional, national and international programmes	Applicants submit multi-annual proposals for new or existing doctoral programmes or fellowship programmes which are expected to have an impact on enhancing research and innovation related human resources on regional, national or international level.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-cofund-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-cofund-2018.html</a>	27.09.2018
<b>MSCA-COFUND-2019</b> Marie Skłodowska-Curie - Co-funding of regional, national and international programmes	Applicants submit multi-annual proposals for new or existing doctoral programmes or fellowship programmes which are expected to have an impact on enhancing research and innovation related human resources on regional, national or international level.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-cofund-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-cofund-2019.html</a>	26.09.2019
<b>MSCA-IF-2018</b> Marie Skłodowska-Curie - Individual Fellowships	Support is foreseen for individual, trans-national fellowships awarded to the best or most promising researchers of any nationality, for employment in EU Member States or Associated Countries. It is based on an application made jointly by the researcher and the beneficiary in the academic or non-academic sectors.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-if-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-if-2018.html</a>	12.09.2018
<b>MSCA-IF-2019</b> Marie Skłodowska-Curie - Individual Fellowships	Support is foreseen for individual, trans-national fellowships awarded to the best or most promising researchers of any nationality, for employment in EU Member States or Associated Countries. It is based on an application made jointly by the researcher and the beneficiary in the academic or non-academic sectors.  (call opens on 11 April 2019)	11.09.2019
<b>MSCA-ITN-2018</b> Marie Skłodowska-Curie - Innovative Training Networks	Innovative Training Networks will raise excellence and structure research and doctoral training, extending the traditional academic research training setting, incorporating the elements of Open Science and equipping researchers with the right combination of research-related and transferable competences.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2018.html</a>	17.01.2018



<b>MSCA-ITN-2019</b> Marie Skłodowska-Curie - Innovative Training Networks	<p>Innovative Training Networks will raise excellence and structure research and doctoral training, extending the traditional academic research training setting, incorporating the elements of Open Science and equipping researchers with the right combination of research-related and transferable competences.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2019.html</a></p>	15.01.2019
<b>MSCA-RISE-2018</b> Marie Skłodowska-Curie - Research and Innovation Staff Exchange	<p>The RISE scheme will promote international and inter-sector collaboration through research and innovation staff exchanges, and sharing of knowledge and ideas from research to market (and vice-versa). The scheme fosters a shared culture of research and innovation that welcomes and rewards creativity and entrepreneurship and helps to turn creative ideas into innovative products, services or processes.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-rise-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-rise-2018.html</a></p>	21.03.2018
<b>MSCA-NIGHT-2018</b> Marie Skłodowska-Curie - European Researchers' Night	<p>The European Researchers' Night aims to bring researchers closer to the general public and to increase awareness of research and innovation activities, with a view to supporting the public recognition of researchers, creating an understanding of the impact of researchers' work on citizen's daily life, and encouraging young people to embark on research careers.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-night-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-night-2018.html</a></p>	14.02.2018



## Future and Emerging Technologies

Title	SSH Aspects	Deadlines (dd.mm.yyyy)
<b>FETOPEN-01-2018-2019-2020</b> FET - Open Challenging Current Thinking	<p>To lay the foundations for radically new future technologies of any kind from visionary interdisciplinary collaborations that dissolve the traditional boundaries between sciences and disciplines, including the social sciences and humanities. This topic also encourages the driving role of new actors in research and innovation, including excellent young researchers, ambitious high-tech SMEs and first-time participants to FET under Horizon 2020 from across Europe.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-01-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-01-2018-2019-2020.html</a></p>	Cut-off dates: 16.05.2018 24.01.2019 18.09.2019 13.05.2020
<b>FETOPEN-03-2018-2019-2020</b> FET Innovation Launchpad	<p><b><u>Topics with minor SSH relevance</u></b></p> <p>This topic aims at turning results from FET-funded projects into genuine societal or economic innovations.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-03-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-03-2018-2019-2020.html</a></p>	Cut-off dates: 16.10.2018 08.10.2019 14.10.2020



## Research Infrastructures

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>INFRADEV-01-2019-2020</b> Design Studies	<p>The aim of this topic is to support the conceptual and technical design for new research infrastructures which are of a clear European dimension and interest. Major upgrades of existing infrastructures may also be considered if the end result is intended to be equivalent to a new infrastructure.</p> <p><b>Main keywords: All fields of research are considered.</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-dev-01-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-dev-01-2019-2020.html</a></p>	12.11.2019
<b>INFRADEV-02-2019-2020</b> Preparatory Phase of new ESFRI projects	<p>The preparatory phase aims to bring the project for the new or upgraded research infrastructure identified in the ESFRI roadmap to the level of legal, financial, and, where applicable, technical maturity required for implementing it.</p> <p><b>Main keywords: law, finance, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-dev-02-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-dev-02-2019-2020.html</a></p>	29.01.2019
<b>INFRAEOSC-04-2018</b> Connecting ESFRI infrastructures through Cluster projects	<p>This topic will ensure the connection of the research infrastructures identified in the ESFRI Roadmap to the EOSC.</p> <p><b>Main keywords: Social Science and Humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-eosc-04-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-eosc-04-2018.html</a></p>	22.03.2018
<b>INFRAIA-01-2018-2019</b> Integrating Activities for Advanced Communities	<p>The aim of this action is to bring together, integrate on European scale, and open up key national and regional research infrastructures to all European researchers, from both academia and industry, ensuring their optimal use and joint development.</p> <p><b>Main keywords: Social Sciences and Humanities, archaeology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-ia-01-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-ia-01-2018-2019.html</a></p>	<p>Call 2018 – 22.03.2018</p> <p>Call 2019 – 20.03.2019</p>
<b>INFRAEDI-01-2018</b> Pan-European High Performance Computing infrastructure and services	<p>The aim of this topic is to create a world-class pan-European High Performance Computing (HPC) infrastructure and to provide state-of-the-art services accessible by users independently of their location, by pooling, integrating and rationalising the HPC resources at EU level.</p> <p><b>Main keywords: finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-edi-01-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infra-edi-01-2018-2019.html</a></p>	22.03.2018



(PRACE)	<a href="/opportunities/h2020/topics/infraedi-01-2018.html">/opportunities/h2020/topics/infraedi-01-2018.html</a>	
<b>INFRAEDI-02-2018</b> HPC PPP - Centres of Excellence on HPC	<b><u>Topics with minor SSH relevance</u></b> This topic covers two interrelated and synergic areas: Supporting Centres of Excellence (CoE) that promote the use of upcoming exascale and extreme performance computing capabilities and Addressing the fragmentation of activities for excellence in HPC applications, and fostering the widening of the use of HPC codes in the EU. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraedi-02-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraedi-02-2018.html</a>	22.03.2018



# INDUSTRIAL LEADERSHIP

## Information and Communication Technologies

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>ICT-09-2019-2020</b> Robotics in Application Areas	<p>The purpose of this topic is to reduce the barriers that prevent a more widespread adoption of robots. Four Priority Areas (PAs) are targeted: healthcare, inspection and maintenance of infrastructure, agri-food, and agile production.</p> <p><b>Main keywords: ethics, law, sociology, finance, economics, public relations</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-09-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-09-2019-2020.html</a></p>	28.03.2019
<b>ICT-10-2019-2020</b> Robotics Core Technology	<p>The topic aims to improve technical capability in each of the core technologies that built autonomy in robotic systems (AI and Cognition, Cognitive Mechatronics, Socially cooperative human-robot interaction, Model-based design and configuration tools) over the current state of the art.</p> <p><b>Main keywords: sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-10-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-10-2019-2020.html</a></p>	28.03.2019
<b>ICT-13-2018-2019</b> Supporting the emergence of data markets and the data economy	<p>The lack of trusted and secure platforms and privacy-aware analytics methods for secure sharing of personal data and proprietary/commercial/industrial data hampers the creation of a data market and data economy by limiting data sharing mostly to open data. This need strongly emerges from recent evidence from stakeholders, both for personal data platforms and for industrial data platforms.</p> <p><b>Main keywords: law, finance, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-13-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-13-2018-2019.html</a></p>	<p>Call 2018 – 17.04.2018</p> <p>Call 2019 – 28.03.2019</p>
<b>ICT-24-2018-2019</b> Next Generation Internet - An Open Internet Initiative	<p>This initiative aims at developing a more human-centric Internet supporting values of openness, cooperation across borders giving the control back to the users in order to increase trust in the Internet.</p> <p><b>Main keywords: sociology, ethics, law, finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-24-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-24-2018-2019.html</a></p>	<p>Call 2018 (RIA &amp; CSA) – 17.04.2018</p> <p>Call 2019 (RIA) – 28.03.2019</p>



<b>ICT-27-2018-2020</b> Internet of Things	<p>The challenge is to leverage EU technological strength to develop the next generation of Internet of Things (IoT) devices and systems that build on enhanced sensing/actuating, reasoning capabilities and computational power to the edges, but also new capabilities on the backend, such as artificial intelligence, deep semantic interoperability and novel contractual arrangements like Blockchains.</p> <p><b>Main keywords: finance, public relations</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-27-2018-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-27-2018-2020.html</a></p>	17.04.2018
<b>ICT-28-2018</b> Future Hyper-connected Sociality	<p>The challenge is to mobilise a positive vision as to the role that Social Media will increasingly play in all these areas, and to overcome today's critical issues about trust and governance through democratic reputation mechanisms, and user experience.</p> <p><b>Main keywords: law, sociology, arts &amp; design, finance, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-28-2018-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-28-2018-2020.html</a></p>	17.04.2018



# Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>NMBP-13-2018</b> Risk Governance of nanotechnology	<p>Significant progress has been achieved in relation to research regarding the safety of engineered nanomaterials and the transfer of this knowledge into regulation. Still, more needs to be done as nanotechnology reaches the market. To fill this gap, transdisciplinary risk governance is required based on a clear understanding of risk, its management practices and the societal risk perception by all stakeholders.</p> <p><b>Main keywords: sociology, management, ethics, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/nmbp-13-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/nmbp-13-2018.html</a></p>	1st stage – 23.01.2018 2nd stage – 04.09.2019
<b>DT-FOF-01-2018</b> Skills needed for new Manufacturing jobs	<p>Breakthrough education and training paradigms for continuous training of the existing workforce are needed, that will enable the European industrial workforce to develop new skills and competences in a quick and efficient way.</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-fof-01-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-fof-01-2018.html</a></p>	22.02.2018
<b>DT-FOF-05-2019</b> Open Innovation for collaborative production engineering	<p>The transfer to industrial companies of the Do It Yourself (DIY), fablabs, micro-factories and makers approaches can pioneer ways towards engineering solutions throughout the whole value chain. These innovative methods can lead to new processes, machines and products with new functionalities and shorter time to market.</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-fof-05-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-fof-05-2019.html</a></p>	21.02.2019
<b>DT-NMBP-20-2018</b> A digital 'plug and produce' online equipment platform for manufacturing	<p>To increase the visibility of SME equipment manufacturers towards global users of equipment and to further support digitisation of manufacturing, industrial online platforms needs to be developed and set up for use on the market.</p> <p><b>Main keywords: social sciences and humanities, finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en">http://ec.europa.eu/research/participants/portal/desktop/en</a></p>	08.03.2018



	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-nmbp-20-2018.html">/opportunities/h2020/topics/dt-nmbp-20-2018.html</a>	
<b>DT-FOF-02-2018</b> Effective Industrial Human-Robot Collaboration	<p>Proposals need to extend the current state of the art of individual Human-Robot Collaboration (HRC) to work environments where robots and workers function as members of the same team throughout the factory.</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-fof-02-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-fof-02-2018.html</a></p>	22.02.2018
<b>BIOTEC-01-2018</b> Standardisation in Synthetic Biology	<p>Proposals will be based on equivalent standardisation experiences that can be imported into the biological realm along with a thorough analysis of the functions of live systems that can be amenable to standardisation, generating new approaches where previous experiences do not apply.</p> <p><b>Main keywords: social sciences and humanities, ethics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/biotec-01-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/biotec-01-2018.html</a></p>	22.02.2018
<b>BIOTEC-02-2019</b> Boosting the efficiency of photosynthesis	<p>Proposals should work towards the optimisation of photosynthesis by capitalising on multidisciplinary approaches, such as functional genomics, systems biology, metabolic modelling, enzyme engineering, computational biology, synthetic biology, directed evolution and gene editing techniques.</p> <p><b>Main keywords: sociology, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/biotec-02-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/biotec-02-2019.html</a></p>	<p>1<sup>st</sup> stage: 22.01.2019</p> <p>2<sup>nd</sup> stage: 03.09.2019</p>
<b>NMBP-33-2018</b> Innovative and affordable solutions for the preventive conservation of cultural heritage	<p>Preventive conservation (PC) prevents damage or reduces the potential for damage of cultural heritage (CH) artefacts. The proposed solution should include the following three main elements: One or more innovative low-cost tools/solution, continuous remote data acquisition for key-parameters and Multi-scale modelling.</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/nmbp-33-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/nmbp-33-2018.html</a></p>	<p>1<sup>st</sup> stage: 23.01.2018</p> <p>2<sup>nd</sup> stage: 28.06.2018</p>
<b>LC-EEB-06-2018-20</b> ICT enabled, sustainable and affordable residential building construction, design to end of life	<p>ICT tools should be provided for energy and environmental performance related design, analysis and decision-making in early planning phases for new buildings or renovation of buildings.</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-eeb-06-2018-20.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-eeb-06-2018-20.html</a></p>	22.02.2018



## Space

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>DT-SPACE-08-BIZ-2018</b> Space outreach and education	<p>The main delivery of the action shall be an initiative capable of attracting the interest of a significant number of students towards space and space-related themes, while creating at the same time a relevant impact on their families and the general public in terms of news coverage, social-media interest, stakeholders' involvement.</p> <p><b>Main keywords: educational research</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-space-08-biz-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-space-08-biz-2018.html</a></p>	06.03.2018



## Innovation in SMEs

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>INNOSUP-04-2019</b> Workplace innovation uptake by SMEs	<p>The Action will be a piloting scheme for the uptake of workplace innovation by SMEs. It will aim at creating interregional networks gathering national or regional innovation support agencies.</p> <p><b>Main keywords: management</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/innosup-04-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/innosup-04-2019.html</a></p>	17.01.2019



# SOCIETAL CHALLENGES

## SC1. Health, demographic change and wellbeing

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>SC1-BHC-01-2019</b> Understanding causative mechanisms in co- and multimorbidities	<p>Proposals should identify and validate causative mechanisms (e.g. molecular, genetic, correlative, drug-drug interaction) combining mental and physical disorders through the integration of basic, pre-clinical and/or clinical research. Applicants should prove the relevance of the identified mechanisms for co-morbid development.</p> <p><b>Main keywords: sociology, economics, psychology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-01-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-01-2019.html</a></p>	1 <sup>st</sup> stage: 02.10.2018 2 <sup>nd</sup> stage: 16.04.2019
<b>SC1-BHC-05-2018</b> International flagship collaboration with Canada for human data storage, integration and sharing to enable personalised medicine approaches	<p>The aim is to build a collaboration of stakeholders in Europe and Canada in the domain of repositories storing and sharing human –omics data that will create a framework for long-term cooperation. In order to do so, this programme aims to enhance and standardise data deposition, curation and exchange procedures thus ensuring better data reuse and increased benefit to the scientific communities worldwide.</p> <p><b>Main keywords: ethics, law, social sciences</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-05-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-05-2018.html</a></p>	18.04.2018
<b>SC1-HCO-01-2018-2019-2020</b> Actions in support of the International Consortium for Personalised Medicine	<p>Personalised Medicine is a very broad and multifaceted area where success relies on a well-functioning collaboration between several disciplines and different actors. Each action should focus on one of the following fields: International aspect, Regional aspect, Healthcare- and pharma-economic models or Standardisation for clinical study design.</p> <p><b>Main keywords: social sciences and humanities, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-01-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-01-2018-2019-2020.html</a></p>	Call 2018 – 18.04.2018 Call 2019 – 16.04.2019
<b>SC1-BHC-14-2019</b> Stratified host-directed approaches to improve prevention, treatment and/or	<p>Proposals should test emerging concepts in drug and/or vaccine development in order to address the problem of antimicrobial drug resistance and to optimize therapeutic, curative or preventive measures against infectious diseases of major concern for Europe.</p> <p><b>Main keywords: social sciences and humanities</b></p>	1 <sup>st</sup> stage: 02.10.2018 2 <sup>nd</sup> stage:



cure of infectious diseases	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-14-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-14-2019.html</a>	16.04.2019
<b>SC1-BHC-15-2018</b> New anti-infective agents for revention and/or treatment of neglected infectious diseases (NID)	<p>The topic bridges the gap between preclinical and early clinical development of drugs and/or vaccines against neglected bacterial and parasitic diseases. Therefore, the proposed actions should focus on late preclinical (e.g. validation in animal models, toxicology, Good Manufacturing Practices (GMP) production, preparation of Investigational Medicinal Product Dossier) and early clinical (up to phase 1) development of already existing lead drug and vaccine candidates.</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-15-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-15-2018.html</a></p>	<p>1<sup>st</sup> stage: 06.02.2018</p> <p>2<sup>nd</sup> stage: 04.09.2018</p>
<b>SC1-BHC-16-2018</b> 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	<p>Proposals must focus on the scale-up of interventions at population level for hypertension and/or diabetes prevention and/or management in low- and middle-income countries (LMIC), and/or in vulnerable populations in high income countries (HIC).</p> <p><b>Main keywords: social sciences and humanities, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-16-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-16-2018.html</a></p>	18.04.2018
<b>SC1-BHC-18-2018</b> Translational collaborative cancer research between Europe and the Community of Latin American and Caribbean States (CELAC)	<p>Proposals must focus on translational and multidisciplinary research to identify specific patient groups in view of improving one or more of the following aspects: screening, early detection, diagnosis, and/or prognosis. Proposals must build on the diverse genetic backgrounds, risk factors, cancer incidence, geographical environment, and/or different healthcare models (including social care and volunteers) in European and CELAC countries.</p> <p><b>Main keywords: ethics, sociology, economics, anthropology, psychology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-18-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-18-2018.html</a></p>	18.04.2018
<b>SC1-BHC-19-2019</b> Implementation research for maternal and child health	<p>Proposals should focus on implementation research for improving maternal and child health with a focus on the first '1000 days' from pregnancy until two years of age.</p> <p><b>Main keywords: psychology, social sciences</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-19-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-19-2019.html</a></p>	<p>1<sup>st</sup> stage: 02.10.2018</p> <p>2<sup>nd</sup> stage: 16.04.2019</p>
<b>SC1-HCO-06-2018</b> Establishment of an	Infectious diseases, in particular epidemics and antimicrobial resistance, pose significant threats to the social, economic and health security of communities and	18.04.2018



International Network of Social Sciences Research Centres to help address governance and other challenges in the preparedness for and the response to infectious threats	<p>countries around the world. However, communities would be better prepared to respond to infectious threats (public health emergencies or antimicrobial resistance) if such efforts and structures that govern the overall prevention and response were informed by research evidence from the range of social sciences and humanities disciplines.</p> <p><b>Main keywords: law, ethics, social sciences, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-06-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-hco-06-2018.html</a></p>	
<b>SC1-BHC-22-2019</b> Mental health in the workplace	<p>Proposals should develop and implement intervention(s) that an employer/organization can take to promote good mental health and prevent mental illness in the workplace.</p> <p><b>Main keywords: social sciences and humanities, psychology, ethics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-22-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-22-2019.html</a></p>	<p>1<sup>st</sup> stage: 02.10.2018</p> <p>2<sup>nd</sup> stage: 16.04.2019</p>
<b>SC1-BHC-23-2018</b> Novel patient-centred approaches for survivorship, palliation and/or end-of-life care	<p>Proposals should demonstrate, the effectiveness and cost-effectiveness of new, improved or specifically adapted pharmacological and/or non-pharmacological interventions to either relieve symptoms (e.g. pain) and suffering caused by life-threatening non-communicable diseases (including disabilities), or serious late and long-term side effects of disease treatments in patients and survivors, or symptoms that occur at the end of life.</p> <p><b>Main keywords: sociology, economics, ethics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-23-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-23-2018.html</a></p>	18.04.2018
<b>SC1-BHC-25-2019</b> Demonstration pilots for implementation of personalised medicine in healthcare	<p>The pilot projects should demonstrate the benefit for individuals as well as the implementability and economic viability of personalized medicine approaches in real life healthcare settings.</p> <p><b>Main keywords: sociology, economics, ethics, law</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-25-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-25-2019.html</a></p>	<p>1<sup>st</sup> stage: 02.10.2018</p> <p>2<sup>nd</sup> stage: 16.04.2019</p>
<b>SC1-BHC-28-2019</b> The Human Exposome Project: a toolbox for assessing and addressing the impact of environment on health	<p>Applicants should take advantage of the last decade's rapid technological advances which have opened up new opportunities to collect, combine and analyse large data sets offering new possibilities to understand the contribution of environmental factors to the global health burden of common chronic diseases.</p> <p><b>Main keywords: economics, ethics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-28-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-28-2019.html</a></p>	16.04.2019
<b>SC1-BHC-03-2018</b> Exploiting research	<p><b>Topics with minor SSH relevance</b></p> <p>The aim is to achieve understanding of balanced states of</p>	



outcomes and application potential of the human microbiome for personalised prediction, prevention and treatment of disease	<p>health and on that basis to deliver personalised approaches and clinical tools for predicting and preventing diseases. Proposals should integrate and use high quality microbiome, metabolome and other -omics data produced by large scale international initiatives.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-bhc-03-2018.html</a></p>	18.04.2018
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## SC2. Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>SFS-01-2018-2019-2020</b> Biodiversity in action: across farmland and the value chain	Activities will tackle biodiversity from various angles ranging from its supporting functions in agro-ecosystems (e.g. through activities of plant and soil biota), the integration of diversity into farming practices and incentives for wider biodiversity management including native biodiversity. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-01-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-01-2018-2019-2020.html</a>	1 <sup>st</sup> stage: 23.01.2019 2 <sup>nd</sup> stage: 04.09.2019
<b>LC-SFS-03-2018</b> Microbiome applications for sustainable food systems	Proposals shall focus on concrete microbiome applications which are of benefit to the food system. <b>Main keywords: social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-03-2018.html</a>	13.02.2018
<b>SFS-04-2019-2020</b> Integrated health approaches and alternatives to pesticide use	Plant protection and biocidal products (both covered under the term "pesticides") are used in agriculture in order to secure yield and food safety in plant production and animal husbandry. Significant efforts are required to develop alternatives to critical active substances used in plant protection and/or biocidal products. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-04-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-04-2019-2020.html</a>	1 <sup>st</sup> stage: 23.01.2019 2 <sup>nd</sup> stage: 04.09.2019
<b>SFS-07-2018</b> Making European beekeeping healthy and sustainable	Proposals will develop ready-to-use tools for operationalising the 'Health Status Index' developed by EFSA28 to enable data collection and return to beekeepers, while exploring the various socio-economic and ecological factors beyond bee health to provide comprehensive blueprints of successful business model(s) of European beekeeping. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-07-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-07-2018.html</a>	1 <sup>st</sup> stage: 13.02.2018 2 <sup>nd</sup> stage: 11.09.2018
<b>SFS-11-2018-2019</b> Anti-microbials	Since their discovery, anti-microbials have played an essential role in the treatment of infectious diseases in humans and farmed animals. However the world is increasingly confronted with the emergence and spread of microbes that resist anti-	Call 2018 1 <sup>st</sup> stage –



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
and animal production	<p>microbial treatment. The aims of the topic are: rethinking management of health of farmed animals, developing and testing new, efficient and targeted alternatives to anti-microbials in farmed animal production.</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-11-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-11-2018-2019.html</a></p>	<p>13.02.2018</p> <p>2<sup>nd</sup> stage – 11.09.2018</p> <p>Call 2019</p> <p>1<sup>st</sup> stage – 23.01.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<b>DT-SFS-14-2018</b> Personalized Nutrition	<p>Proposals shall deliver innovative solutions for personalized nutrition advice and/or support that will help consumers to achieve their optimal health and well-being and to adopt long-term healthy and sustainable diets.</p> <p><b>Main keywords: economics, sociology, ethics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-sfs-14-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-sfs-14-2018.html</a></p>	<p>13.02.2018</p>
<b>SFS-16-2018</b> Towards healthier and sustainable food	<p>Activities will assess and develop food processing methods (e.g. minimal, mild, careful processing) with the potential to optimise the preservation of the naturally occurring nutritional, structural and functional food properties, even once the food is processed.</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-16-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-16-2018.html</a></p>	<p>1<sup>st</sup> stage:</p> <p>13.02.2018</p> <p>2<sup>nd</sup> stage:</p> <p>11.09.2018</p>
<b>LC-SFS-19-2018-2019</b> Climate-smart and resilient farming	<p>Proposals should address only one of the following sub-topics (A) or (B): A. [2018] Microclimate management: from field to landscape (RIA), B. [2019] Efficiency and resilience of mixed farming and agroforestry systems (RIA).</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-19-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-19-2018-2019.html</a></p>	<p>Call 2018</p> <p>1<sup>st</sup> stage – 13.02.2018</p> <p>2<sup>nd</sup> stage – 11.09.2018</p> <p>Call 2019</p> <p>1<sup>st</sup> stage – 23.01.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<b>CE-SFS-24-2019</b> Innovative and citizen-driven	<p>The proposals shall identify several food-related innovative approaches based on citizen science and engagement, to be practised in cities to foster sustainability of the food system.</p> <p><b>Main keywords: economics, sociology</b></p>	<p>23.01.2019</p>



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
food system approaches in cities	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sfs-24-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sfs-24-2019.html</a>	
<b>CE-SFS-25-2018</b> Integrated system innovation in valorising urban biowaste	Proposals shall focus on an integrated system innovation approach in urban biowaste recycling and valorisation for the production of highvalue biobased products, including proteins for food and feed. <b>Main keywords: economics, finance, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sfs-25-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sfs-25-2018.html</a>	13.02.2018
<b>SFS-27-2018</b> Monitoring food R&I investments and impacts	Taking into account the main results of recent research projects as well as of ongoing policy initiatives, proposals shall establish strategies, methodologies and tools to improve the monitoring of public and private investments in agriculture, fisheries, aquaculture and food research in Europe, at different levels of governance, thereby allowing monitoring of these investments over time and for major research areas. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-27-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-27-2018.html</a>	1 <sup>st</sup> stage – 13.02.2018 2 <sup>nd</sup> stage – 11.09.2018
<b>LC-SFS-34-2019</b> Food Systems Africa	Proposals shall assess and deliver better nutrition performance of African farming systems, strengthening the agro-biodiversity (and integrated aquaculture systems) and food diversity. <b>Main keywords: finance, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-34-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-34-2019.html</a>	1 <sup>st</sup> stage – 23.01.2019 2 <sup>nd</sup> stage – 04.09.2019
<b>SFS-35-2019-2020</b> Sustainable Intensification in Africa	Subtopics: A. Activities shall seek to implement and test systems approaches for the sustainable intensification of primary production in Africa, taking into account its long term economic support to local communities; B. For the implementation of the EU-Africa R&I Partnership on FNSSA a comparable and open database on agricultural soils information is needed. <b>Main keywords: finance, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-35-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-35-2019-2020.html</a>	1 <sup>st</sup> stage – 23.01.2019 2 <sup>nd</sup> stage – 04.09.2019
<b>SFS-08-2018-2019</b> Improving animal welfare	<b><u>Topics with minor SSH relevance</u></b> Research is needed to further improve the management of animal welfare, by looking into new opportunities offered by technological developments, development of appropriate business models and linking animal welfare with other production parameters, including animal health and environmental performance.	Call 2018 (RIA) – 1 <sup>st</sup> stage – 13.02.2018 2 <sup>nd</sup> stage –



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-08-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-08-2018-2019.html</a>	11.09.2018 Call 2019 (IA) – 23.01.2019
<b>LC-SFS-17-2019</b> Alternative proteins for food and feed	<b><u>Topics with minor SSH relevance</u></b> Proposals shall identify and assess new or alternative protein sources for food and/or feed and develop/validate efficient production and processing approaches to convert/integrate them into high quality, safe, healthy, and sustainable products or ingredients. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-17-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sfs-17-2019.html</a>	23.01.2019
<b>SFS-32-2018</b> Supporting microbiome coordination and the International Bioeconomy Forum	<b><u>Topics with minor SSH relevance</u></b> Proposals should aim at a platform for collaboration and coordination across various microbiome-related research and innovation programmes, in Europe and worldwide, throughout the food systems and beyond, including both terrestrial and aquatic environments (e.g. linkages among microbiome related work in plants, animals, soils, marine and human health)]. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-32-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sfs-32-2018.html</a>	13.02.2018
<b>BG-01-2018</b> Towards a Baltic and North Sea research and innovation programme	Activities shall focus on creating the necessary conditions for coordinated research and innovation efforts in the North Sea and Baltic Sea region in cooperation with BONUS by bringing together the main national funding agencies (programme owners and/or managers). <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-01-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-01-2018.html</a>	13.02.2018
<b>LC-BG-03-2018</b> Sustainable harvesting of marine biological resources	Activities shall provide data, information and knowledge on the potential role of mesopelagic micro- and macro-organisms for human food chain and other bio-based products and processes. <b>Main keywords: economics, sociology, marketing</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-bg-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-bg-03-2018.html</a>	1 <sup>st</sup> stage – 13.02.2018 2 <sup>nd</sup> stage – 11.09.2018
<b>DT-BG-04-2018-2019</b> Sustainable European aquaculture 4.0: nutrition and breeding	Activities shall develop smart breeding programmes and/or tailor feeding formulas and technologies for conventional and organic aquaculture – for marine and/or freshwater - targeting animal health (contributing to disease resistance) and welfare, different production systems, feeding efficiency, resilience and climate change mitigation - when applicable, including related traits and possible links between them (synergies, trade-offs) -,	Call 2018 – 13.02.2018 Call 2019 – 23.01.2019



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<p>zero waste, by-products valorisation following circularity principles and organoleptic and nutritional values of seafood optimisation.</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-bg-04-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-bg-04-2018-2019.html</a></p>	
<p><b>BG-05-2019</b></p> <p>Multi-use of the marine space, offshore and near-shore: pilot demonstrators</p>	<p>Activities shall develop pilots by involving industrial actors and by integrating the available knowledge, technologies and facilities, in particular capitalising on the results of EU and national projects for the development of multi-use platforms or co-location of different activities in a marine space, and relevant support offshore vessels and autonomous vehicles.</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-05-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-05-2019.html</a></p>	23.01.2019
<p><b>CE-BG-06-2019</b></p> <p>Sustainable solutions for bio-based plastics on land and sea</p>	<p>Activities shall focus on sustainability strategies and solutions for bio-based products.</p> <p><b>Main keywords: economics, finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-bg-06-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-bg-06-2019.html</a></p>	23.01.2019
<p><b>BG-08-2018-2019</b></p> <p>All Atlantic Ocean Research Alliance Flagship</p>	<p>The actions shall aim at understanding and sustainably managing the Atlantic Ocean as a whole, through a large-scale basin effort involving both the northern and the southern parts of this ocean and its interlinks with the adjacent areas.</p> <p><b>Main keywords: economics, finance, management, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-08-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bg-08-2018-2019.html</a></p>	<p>CSA – 13.02.2018</p> <p>RIA</p> <p>Call 2018 – 1<sup>st</sup> stage – 13.02.2018</p> <p>2<sup>nd</sup> stage – 11.09.2018</p> <p>Call 2019 – 1<sup>st</sup> stage – 23.01.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<p><b>BG-07-2019-2020</b></p> <p>The Future of Seas and</p>	<p><b><u>Topics with minor SSH relevance</u></b></p> <p>Proposals shall address one of the following sub-topics: blue cloud services, or ocean observations and forecasting, or technologies for observations (in 2020).</p>	23.01.2019



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
Oceans Flagship Initiative	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bq-07-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/bq-07-2019-2020.html</a>	
<b>LC-BG-09-2019</b> Coordination of marine and maritime research and innovation in the Black Sea	<p><b><u>Topics with minor SSH relevance</u></b></p> <p>Proposals shall develop a Strategic Research and Innovation Agenda and Implementation Plan and contribute to the further alignment and convergence of national research and innovation activities and other relevant initiatives and investments by and with the different actors and across different sectors in primis between the countries bordering the Black Sea coasts and the whole EU.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-bg-09-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-bg-09-2019.html</a></p>	23.01.2019
<b>RUR-01-2018-2019</b> Building modern rural policies on long-term visions and societal engagement	<p>Proposed actions shall address one of the following sub-topics: A. [2018] Rural society-science-policy hub (CSA); B. [2018] Renewing rural generations, jobs and farms (RIA); C. [2019] Building resilient mountain value chains delivering private and public goods (RIA).</p> <p><b>Main keywords: economics, sociology, law</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-01-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-01-2018-2019.html</a></p>	<p>CSA – 1<sup>st</sup> stage – 13.02.2018</p> <p>RIA – 2018 – 1<sup>st</sup> stage – 13.02.2018</p> <p>2<sup>nd</sup> stage – 11.09.2018</p> <p>RIA – 2019 – 1<sup>st</sup> stage – 23.01.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<b>RUR-02-2018</b> Socio-economic impacts of digitisation of agriculture and rural areas	<p>Proposals shall analyse the social and economic impacts of digitisation on agriculture and rural areas, looking into costs, benefits and possible trade-offs.</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-02-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-02-2018.html</a></p>	<p>1<sup>st</sup> stage – 13.02.2018</p> <p>2<sup>nd</sup> stage – 11.09.2018</p>
<b>RUR-03-2018</b> Contracts for effective and lasting delivery of agri-environmental public goods	<p>Proposals will look into effective ways of coupling public and/or private incentives to the delivery of one or more environmental goods at land and value chain levels. Proposals will review and investigate existing and new initiatives addressing the delivery by farmers of environmental public goods and services and their longevity.</p> <p><b>Main keywords: economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-03-2018.html</a></p>	<p>1<sup>st</sup> stage – 13.02.2018</p> <p>2<sup>nd</sup> stage – 11.09.2018</p>



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<a href="/opportunities/h2020/topics/rur-03-2018.html">/opportunities/h2020/topics/rur-03-2018.html</a>	
<b>RUR-04-2018-2019</b> Analytical tools and models to support policies related to agriculture and food	The subtopics are: A. [2018] Developing new models supporting policies related to agriculture (RIA); B. [2019] Modelling international trade in agri-food products (RIA). <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-04-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-04-2018-2019.html</a>	Call 2018 – 1 <sup>st</sup> stage – 13.02.2018 2 <sup>nd</sup> stage – 11.09.2018  Call 2019 – 1 <sup>st</sup> stage – 23.01.2019 2 <sup>nd</sup> stage – 04.09.2019
<b>CE-RUR-08-2018-2019-2020</b> Closing nutrient cycles	Proposals shall address inter-regional and intra-regional imbalances through effective nutrient recovery from by-products of the agro-food or the forestry sectors, and conversion into novel fertilisers. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-rur-08-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-rur-08-2018-2019-2020.html</a>	RIA – 1 <sup>st</sup> stage – 13.02.2018 2 <sup>nd</sup> stage – 11.09.2018  IA – 23.01.2019
<b>RUR-09-2018</b> Realising the potential of regional and local bio-based economies	Proposals shall foster cooperation and networking between relevant actors at all levels, so that regional bio-based economies can take off, promote open innovation approaches, and ensure adequate knowledge exchange within and among regions. <b>Main keywords: economics, finance, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-09-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-09-2018.html</a>	13.02.2018
<b>CE-RUR-10-2019</b> Circular bio-based business models for rural communities	Based on an established agro-food system, proposals shall consider a variety of additional bio-based processes and end products that could be integrated into the system, and that are viable on a small scale (farm to rural community level). <b>Main keywords: economics, finance, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-rur-10-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-rur-10-2019.html</a>	23.01.2019
<b>LC-RUR-11-2019-2020</b> Sustainable wood value chains	The sub-topics are the following: A. [2019] Building with wood: Proposals shall develop and test new technologies and environmental friendly solutions for the use of wood-based materials in the (re)construction and/or retrofitting of buildings; B. [2020] Resilient forest systems. <b>Main keywords: social sciences and humanities, public</b>	23.01.2019



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<b>and institutional administration</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-rur-11-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-rur-11-2019-2020.html</a>	
<b>RUR-14-2018</b> Digital solutions and e-tools to modernise the CAP	<b><u>Topics with minor SSH relevance</u></b> The proposal should support the further development of the IACS, promoting extensive data and information flows between Member States, the European Commission and various other stakeholders. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-14-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-14-2018.html</a>	13.02.2018
<b>RUR-16-2019</b> Fuelling the potential of advisors for innovation	<b><u>Topics with minor SSH relevance</u></b> Activities shall aim at networking advisors to for learning and exchanging interactive innovation techniques that support the transition to a more productive, sustainable and climate-smart agriculture and a higher level of development in rural areas. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-16-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/rur-16-2019.html</a>	23.01.2019



## SC3. Secure, Clean and Efficient Energy

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>LC-SC3-EE-2-2018-2019</b>  Integrated home renovation services	This topic aims at creating or replicating innovative local or regional "integrated home renovation services".  <b>Main keywords: finance, law</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-2-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-2-2018-2019.html</a>	Call 2018 – 04.09.2018  Call 2019 – 03.09.2019
<b>LC-SC3-EE-4-2019-2020</b>  Upgrading smartness of existing buildings through innovations for legacy equipment	Proposals should develop and demonstrate cost-effective technological solutions to manage energy within existing buildings and interact with the grid providing energy efficiency, flexibility, generation and storage, based on user preferences and requests.  <b>Main keywords: finance</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-4-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-4-2019-2020.html</a>	03.09.2019
<b>LC-SC3-EE-8-2018-2019</b>  Capacity building programmes to support implementation of energy audits	Proposals should focus on one, or more, of the following issues: Staff trainings and capacity buildings programmes, Capacity building to support the take-up of audits recommendations and undertake the actions necessary to reduce energy consumption, Initiatives supporting Member States in empowering or establishing national supporting schemes for SMEs.  <b>Main keywords: finance</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-8-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-8-2018-2019.html</a>	03.09.2019
<b>LC-SC3-EE-14-2018-2019-2020</b>  Socio-economic research conceptualising and modelling energy efficiency and energy demand	2018: The research projects should help to make the Energy Efficiency First principle more concrete and operational and to better understand its relevance for energy demand and supply and its broader impacts across sectors and markets.  2019: The aim of the action is to deepen the demand side-related parameters in existing models and to include new aspects and data sources (e.g. by tapping DSOs modelling for forecasting of distributed loads).  <b>Main keywords: economics, finance, sociology</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-14-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-14-2018-2019-2020.html</a>	Call 2018 – 04.09.2018  Call 2019 – 03.09.2019
<b>LC-SC3-EE-16-2018-2019-2020</b>  Supporting public	The delivery of the Energy Union targets requires the full engagement of the public sector at all governance levels. Local and regional public authorities have a crucial role in	Call 2018 – 04.09.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
authorities to implement the Energy Union	<p>setting ambitious energy efficiency strategies, for instance in the framework of the Covenant of Mayors for Climate &amp; Energy and Smart Cities &amp; Communities or the Clean Energy for All islands initiative.</p> <p><b>Main keywords: sociology, public relations</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-16-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-16-2018-2019-2020.html</a></p>	Call 2019 – 03.09.2019
<p><b>LC-SC3-RES-1-2019-2020</b></p> <p>Developing the next generation of renewable energy technologies</p>	<p>The renewable energy technologies that will form the backbone of the energy system by 2030 and 2050 are still at an early stage of development today. Proposals are expected to bring to TRL 3 or TRL 4 (please see part G of the General Annexes) renewable energy technologies that will answer the challenge described.</p> <p><b>Main keywords: sociology, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-1-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-1-2019-2020.html</a></p>	<p>1<sup>st</sup> stage – 16.10.2018</p> <p>2<sup>nd</sup> stage – 25.04.2019</p>
<p><b>LC-SC3-RES-4-2018</b></p> <p>Renewable energy system integrated at the building scale</p>	<p>The proposal will provide a combination of different renewable energy technologies to cover the highest possible share of electricity, heating and cooling needs of a multi-family residential or commercial or public or industrial building (in the case of the industrial building, the project is not expected to address the energy needs of the industrial process).</p> <p><b>Main keywords: social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-4-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-4-2018.html</a></p>	<p>1<sup>st</sup> stage – 31.01.2018</p> <p>2<sup>nd</sup> stage – 23.08.2018</p>
<p><b>LC-SC3-RES-11-2018</b></p> <p>Developing solutions to reduce the cost and increase performance of renewable technologies</p>	<p>Achieving or maintaining global leadership in renewable energy technology requires that the innovative solutions are also affordable. Therefore cost reductions remain a crucial necessity for existing or new technologies. This specific challenge is in line with the sectorial cost reduction targets stated in the respective Declarations of Intent of the SET Plan, where applicable.</p> <p><b>Main keywords: sociology, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-11-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-11-2018.html</a></p>	<p>1<sup>st</sup> stage – 31.01.2018</p> <p>2<sup>nd</sup> stage – 23.08.2018</p>
<p><b>LC-SC3-RES-22-2018</b></p> <p>Demonstration of cost effective advanced biofuel pathways in retrofitted existing industrial installations</p>	<p>Proposals will demonstrate cost-efficient advanced biofuel pathways which improve the economic viability and reduce capital expenditure (CAPEX) and operating expenses (OPEX).</p> <p><b>Main keywords: sociology, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-22-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-22-2018.html</a></p>	05.04.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>LC-SC3-RES-28-2018-2019-2020</b> Market Uptake support	<p>The proposal will develop solutions which can be easily implemented for overcoming barriers to the broad deployment of renewable energy solutions.</p> <p><b>Main keywords: finance, insurance, social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-28-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-28-2018-2019-2020.html</a></p>	Call 2018 – 13.02.2018 Call 2019 – 11.12.2018
<b>LC-SC3-EC-1-2018-2019-2020</b> The role of consumers in changing the market through informed decision and collective actions	<p>2018: The proposed action should develop activities informing and motivating consumers to change old and inefficient installed appliances with the highest energy saving potential (e.g. boilers, local space heaters, air heaters) to more efficient and clean energy heating and/or cooling solutions.</p> <p>2019: The proposed action should set up and/or support consumer cooperatives, consumer collective purchase groups, and/or other consumer driven collective actions that form such energy communities to increase energy efficiency and/or optimise energy management within the community by for example combining collective solutions to distributed generation, distributed storage, and/or demand-response aggregation.</p> <p><b>Main keywords: finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-1-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-1-2018-2019-2020.html</a></p>	Call 2018 – 04.09.2018 Call 2019 – 03.09.2019
<b>LC-SC3-EC-2-2018-2019-2020</b> Mitigating household energy poverty	<p>Actions should contribute to actively alleviating energy poverty and developing a better understanding of the types and needs of energy poor households and how to identify them, taking into account gender differences where relevant, building on any existing initiatives such as the European Energy Poverty Observatory.</p> <p><b>Main keywords: finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-2-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-2-2018-2019-2020.html</a></p>	Call 2018 – 04.09.2018 Call 2019 – 03.09.2019
<b>LC-SC3-ES-3-2018-2020</b> Integrated local energy systems (Energy islands)	<p>Proposals will develop and demonstrate solutions which analyse and combine, in a well delimited system, all the energy vectors that are present and interconnect them where appropriate.</p> <p><b>Main keywords: finance, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-3-2018-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-3-2018-2020.html</a></p>	05.04.2018
<b>LC-SC3-ES-4-</b>	Energy prices on geographical island are typically 100%	



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>2018-2020</b> Decarbonising energy systems of geographical Islands	to 400% higher than on the mainland; therefore the large-scale deployment of local renewable energy sources brings economic benefits and, at the same time, contributes to decarbonise the energy system of the island, reduce greenhouse gases emissions and improve, or at least not deteriorate, air quality.  <b>Main keywords: finance, law, social sciences and humanities</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-4-2018-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-4-2018-2020.html</a>	05.04.2018
<b>LC-SC3-SCC-1-2018-2019-2020</b> Smart Cities and Communities	Integrated innovative solutions for Positive Energy Blocks/Districts will be developed and tested and performance-monitored in the Lighthouse Cities. Projects will consider the interaction and integration between the buildings, the users and the larger energy system as well as implications of increased electro-mobility, its impact on the energy system and its integration in planning.  <b>Main keywords: finance, law, social sciences and humanities, management</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html</a>	Call 2018 – 05.04.2018  Call 2019 – 05.02.2019
<b>LC-SC3-NZE-1-2018</b> Advanced CO2 capture technologies	The objective is the validation and pilot demonstration of advanced CO2 capture technologies that have shown a high potential for reduction of the energy penalty and a significant overall improvement of cost-efficiency of the whole capture process, but that are not yet commercial.  <b>Main keywords: social sciences and humanities</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-1-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-1-2018.html</a>	06.09.2018
<b>CE-SC3-NZE-2-2018</b> Conversion of captured CO2	The aim is the development of energy-efficient and economically and environmentally viable CO2 conversion technologies for chemical energy storage or displacement of fossil fuels that allow for upscaling in the short to medium term.  <b>Main keywords: social sciences and humanities</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc3-nze-2-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc3-nze-2-2018.html</a>	06.09.2018
<b>LC-SC3-NZE-3-2018</b> Strategic planning for CCUS development	The aim is the elaboration of detailed plans for comprehensive European CO2 gathering networks and industrial clusters linked to CO2 storage sites via hubs, pipeline networks and shipping routes, with due attention to national and border-crossing permitting and regulatory issues.  <b>Main keywords: social sciences and humanities</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-3-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-3-2018.html</a>	06.09.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<a href="/opportunities/h2020/topics/lc-sc3-nze-3-2018.html">/opportunities/h2020/topics/lc-sc3-nze-3-2018.html</a>	
<b>LC-SC3-NZE-4-2019</b> Integrated solutions for flexible operation of fossil fuel power plants through power-to-X-to-power and/or energy storage	Validation and pilot demonstration of the integration of energy storage and/or use of excess energy (including via power-to-X-to-power in fossil fuel power plants and showing that EU emission limits for such installations can not only still be met, but that emissions of air pollutants can even be reduced. <b>Main keywords: social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-4-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-4-2019.html</a>	27.08.2019
<b>LC-SC3-NZE-5-2019-2020</b> Low carbon industrial production using CCUS	Projects will focus on integrating CO2 capture in industrial installations, whilst addressing the full CCUS chain. Projects will elaborate a detailed plan on how to use the results, i.e. the subsequent transport, utilisation and/or underground storage of the captured CO2. <b>Main keywords: finance, social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-5-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-5-2019-2020.html</a>	27.08.2019
<b>LC-SC3-CC-1-2018-2019-2020</b> Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition	In 2018, proposals should be submitted under the theme "Social innovation in the energy sector" and in 2019 under the theme "Challenges facing carbon-intensive regions". <b>Main keywords: finance, social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-1-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-1-2018-2019-2020.html</a>	Call 2018 – 06.09.2018 Call 2019 – 27.08.2019
<b>LC-SC3-CC-2-2018</b> Modelling in support to the transition to a Low-Carbon Energy System in Europe	Proposals must target the development of a suite of modelling tools and scenario building exercises that will contribute to a better understanding of the issues below: A better representation of recent and future aspects of the European energy system in transition, Greater transparency and access to assumptions, data, model outputs and to tools used in modelling exercises, A better representation of the investment determinants, barriers (energy market and regulatory failures) and impacts of the actors involved. <b>Main keywords: finance, economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-2-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-2-2018.html</a>	06.09.2018
<b>LC-SC3-CC-4-2018</b> Support to sectorial fora	The transition to a low-carbon energy system poses a unique set of policy, technological and scientific challenges, changes the fundamental nature of the interrelations between all actors in our societies (from energy incumbents to regulators and citizens), and requires the engagement of all stakeholders.	19.04.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<b>Main keywords: social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-4-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-4-2018.html</a>	
<b>LC-SC3-CC-5-2018</b> Research, innovation and educational capacities for energy transition	Proposals will cover one or more of the following fields: Renewable energy, Energy storage, Smart and flexible energy systems, Carbon capture, utilisation and storage (CCUS). Proposals will combine the relevant scientific and technological elements of these fields with relevant social sciences and humanities in a way that is balanced and provides an interdisciplinary approach. <b>Main keywords: social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-5-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-5-2018.html</a>	06.09.2018
<b>LC-SC3-EE-6-2018-2019-2020</b> Business case for industrial waste heat/cold recovery	<b>Topics with minor SSH relevance</b> Proposals should develop integrated cost-benefit simulation tools that, based on the characterization of processes, heat/cold streams and other relevant variables, can determine the best utilisation options of recovered waste heat/cold and/ or surplus renewable energy from industrial and eventual other sources (when available). <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-6-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-6-2018-2019-2020.html</a>	Call 2018 (IA) – 04.09.2018 Call 2019 (CSA) – 03.09.2019
<b>LC-SC3-EE-9-2018-2019</b> Innovative financing for energy efficiency investments	<b>Topics with minor SSH relevance</b> Proposals should address the development or replication and implementation of innovative financing schemes for energy efficiency investments. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-9-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-9-2018-2019.html</a>	Call 2018 – 04.09.2018 Call 2019 – 03.09.2019
<b>LC-SC3-EE-10-2018-2019-2020</b> Mainstreaming energy efficiency finance	<b>Topics with minor SSH relevance</b> Energy efficiency represents high transaction costs for rather small investments, which is not financially very attractive. Technical and legal standardisation is highly needed at all steps of the investment value chain in order to simplify transactions and increase the confidence of financial institutions. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-10-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-10-2018-2019-2020.html</a>	Call 2018 – 04.09.2018 Call 2019 – 03.09.2019
<b>LC-SC3-ES-7-2018</b> Pan-European Forum for R&I on Smart Grids, Flexibility and Local	<b>Topics with minor SSH relevance</b> The action should set-up a European Forum composed of R&I policy makers, R&I actors and experts ('community') in the field of smart grids / storage and local energy systems that is representative of the EU-28 energy	05.04.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
Energy Networks	system. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-7-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-7-2018.html</a>	
<b>LC-SC3-CC-6-2018</b> Transition in coal intensive regions	<b><u>Topics with minor SSH relevance</u></b> The objective is to support European coal-intensive regions to design research and innovation strategies to facilitate their transition towards a sustainable energy system. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-6-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-6-2018.html</a>	06.09.2018



## SC4. Smart, Green and Integrated Transport

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>LC-MG-1-2-2018</b> Sustainable multi-modal inter-urban transport, regional mobility and spatial planning	Proposals should address one or several of the following: Identification of new forms of mobility, Use of geolocalization data to foster a more efficient use of infrastructure and reduction of air pollution, Suggest appropriate measures to ensure the lowest carbon and air pollutant level of transport, Comprehensive planning for the entire functional area, Coordinated development of sustainable policies with proven environmental impact. <b>Main keywords: sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-2-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-2-2018.html</a>	1 <sup>st</sup> stage: 30.01.2018  2 <sup>nd</sup> stage: 19.09.2018
<b>LC-MG-1-3-2018</b> Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility	This topic will be implemented through two sub-topics with different types of actions: Proposals should address one of the two: A) Research and innovation actions: This sub-topic asks to examine the impacts of new mobility solutions, addressing the changing mobility patterns and set up of mobility services. B) Coordination and support actions: This sub-topic addresses the facilitation of knowledge exploitation and support to the cooperation between projects and stakeholders involved in the projects under the first sub-topic, and from across CIVITAS 2020. <b>Main keywords: economics, sociology, political science</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-3-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-3-2018.html</a>	RIA – 1 <sup>st</sup> stage: 30.01.2018  2 <sup>nd</sup> stage: 19.09.2018  CSA – 04.04.2018
<b>MG-2-1-2018</b> Human Factors in Transport Safety	In order to meet this challenge, proposals should address one of the following subtopics, and clearly indicate which subtopic is addressed: A): Understand the limitations, interaction and range of factors that influence and degrade human performance when controlling a vehicle/aircraft/vessel and apply solutions that overcome these limitations. B) Improve the assessment of human risk factors in risk based design and operation within waterborne / air transport, including crew resource management, crew awareness and response in extreme cases. <b>Main keywords: sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-1-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-1-2018.html</a>	1 <sup>st</sup> stage: 30.01.2018  2 <sup>nd</sup> stage: 19.09.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>MG-3-3-2018</b> "Driver" behaviour and acceptance of connected, cooperative and automated transport	<p>A clear challenge for the roll-out of connectivity and automation in transport remains the lack of a detailed, evidence-based assessment of real "driver" behaviour in connected and highly automated or autonomous vehicles (and possible mitigation solutions), accounting also for gender, age and ability, with and without the assistance of cross-modal Cooperative Intelligent Transport Systems (C-ITS), under various use cases (incl. technical failure) and in a range of operating environments (e.g. urban, rural, etc).</p> <p><b>Main keywords: ethics, law, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-3-3-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-3-3-2018.html</a></p>	1 <sup>st</sup> stage: 30.01.2018  2 <sup>nd</sup> stage: 19.09.2018
<b>MG-4-1-2018</b> New regulatory frameworks to enable effective deployment of emerging technologies and business/operating models for all transport modes	<p>New forms of shared-use mobility, automated vehicle technologies in all transport modes and innovative concepts such as Mobility as a Service (MaaS) often have to function in the regulatory frameworks that may not be adapted to these solutions and to rapid technological change. The challenge is to devise new regulatory approaches, frameworks and governance models through evidence based research.</p> <p><b>Main keywords: finance, sociology, economics, political science</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-1-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-1-2018.html</a></p>	04.04.2018
<b>MG-4-2-2018</b> Building Open Science platforms in transport research	<p>The rapid development of digital technologies and new collaborative tools are the basis of an on-going transformation and opening up of science and research, referred to as Open science. As these developments are relatively new there is a need to create a common understanding on their practical impact in the area of transport research, identify current practices and devise concrete approaches for operationalising Open Science in transport research, and to adopt them in the form of codes of conduct.</p> <p><b>Main keywords: finance</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-2-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-2-2018.html</a></p>	04.04.2018
<b>MG-4-3-2018</b> Demographic change and participation of women in transport	<p>Societal changes are demanding a much higher attention to specific groups of users with specific needs and expectations for mobility. Only a disaggregated analysis can lead to the satisfaction of all citizens, thus ensuring a large as possible integration of all parts of the population in the society. Women account for half of society, but the specific needs linked to their physical and social characteristics have not been sufficiently assessed.</p> <p><b>Main keywords: sociology</b></p>	04.04.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-3-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-3-2018.html</a>	
<b>MG-4-5-2019</b> An inclusive digitally interconnected transport system meeting citizens' needs	Merging physical transport assets like infrastructure or vehicles with the digital layer, through the Internet of Things (IoT) and big data applications opens vast possibilities in terms of the development of new transport services, business/operating models and social innovations. The main challenge is therefore to ensure that all members of society can benefit from digitisation.  <b>Main keywords: sociology, law</b>  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-5-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-5-2019.html</a>	24.04.2019
<b>LC-MG-1-1-2018</b> InCo flagship on reduction of transport impact on air quality	<b><u>Topics with minor SSH relevance</u></b>  Proposals will have to address one of the following subtopics and clearly indicate which subtopic they are addressing: A) Low-emission oriented driving, management and assistance. B) Starting from recently defined emissions indicators, development of a 12 to 18 month project to timely develop support to informed consumer choice by defining a holistic testing and scoring mechanism. C) Sensing and monitoring emission in urban road transportation system. D) Cost effective enforcement of shipping related emissions legislation, both at the EU and global level, is essential for the expected environmental improvements to be achieved.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-1-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-1-2018.html</a>	1 <sup>st</sup> stage: 31.01.2018  2 <sup>nd</sup> stage: 19.09.2018
<b>LC-MG-1-10-2019</b> Logistics solutions that deal with requirements of the 'on demand economy' and for shared-connected and low-emission logistics operations	<b><u>Topics with minor SSH relevance</u></b>  Proposals should address all of the following aspects: 1) Developing value cases for integrated systems of logistics/ freight operations in urban, metropolitan and peri-urban areas, such as TEN-T urban nodes and consolidation centres in urban areas. 2) Addressing (and planning for) the integration of low-emission, and possibly connected (automated) delivery vehicles (e.g. cargobikes, drones) in urban logistics.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-10-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-mg-1-10-2019.html</a>	1 <sup>st</sup> stage: 16.01.2019  2 <sup>nd</sup> stage: 12.09.2019
<b>MG-2-2-2018</b> Marine Accident Response	<b><u>Topics with minor SSH relevance</u></b>  Appropriate actions taken following a marine accident can greatly reduce loss of life or damage to the environment. The specific challenge is to develop solutions that address the risks (fires on board passenger, ro-ro and containerships) and which can be reflected within forthcoming revisions of relevant IMO Rules.  <a href="http://ec.europa.eu/research/participants/portal/desktop/en">http://ec.europa.eu/research/participants/portal/desktop/en</a>	1 <sup>st</sup> stage: 31.01.2018  2 <sup>nd</sup> stage: 19.09.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-2-2018.html">/opportunities/h2020/topics/mg-2-2-2018.html</a>	
<b>MG-2-6-2019</b> Moving freight by Water: Sustainable Infrastructure and Innovative Vessels	<b><u>Topics with minor SSH relevance</u></b> Although it is a means of transport that can reduce transport CO2 and air polluting emissions and significantly contribute to reducing congestion on European roads waterborne transport around European coasts and on its inland waterways remains under-utilised and is not fully integrated in the multimodal European Transport system. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-6-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-6-2019.html</a>	1 <sup>st</sup> stage: 16.01.2019 2 <sup>nd</sup> stage: 12.09.2019
<b>MG-2-7-2019</b> Safety in an evolving road mobility environment	<b><u>Topics with minor SSH relevance</u></b> The scope is to assure the development of robust solutions in the context of the changing environment, leading to dramatic improvements in transport users' and road workers' safety. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-7-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-2-7-2019.html</a>	1 <sup>st</sup> stage: 16.01.2019 2 <sup>nd</sup> stage: 12.09.2019
<b>MG-4-4-2018-2019</b> Support for dissemination events in the field of Transport Research	<b><u>Topics with minor SSH relevance</u></b> An integral aspect of the Transport part of Horizon 2020 is to organise event(s) of a major strategic nature. The Transport Research Arena (TRA) Conferences and Aerodays are the examples of events organised in different Member States, with a high European dimension. The proposed actions should help promoting and disseminating Transport Research activities in Europe. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-4-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-4-4-2018-2019.html</a>	Call 2018 – 04.04.2018 Call 2019 – 24.04.2019
<b>DT-ART-02-2018</b> Support for networking activities and impact assessment for road automation	This topic will be implemented through two sub-topics (two types of actions). Proposals should address only one of the two. Subtopic 1) Research and innovation action: Assessment of impacts, benefits and costs of connected, cooperative and automated driving systems; Subtopic 2) Coordination and support action: Networking activities to support connected, cooperative and automated driving. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-02-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-02-2018.html</a>	04.04.2018
<b>DT-ART-03-2019</b> Human centred design for the new driver role in highly automated vehicles	Proposals for research and innovation should focus on the design of safe human-machine interfaces for vehicles with highly automated driving functions and the safe and controlled transfer between use cases of different SAE automation levels (between level 4 to/from levels 3 or 2) for all types of drivers. <b>Main keywords: sociology, psychology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-03-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-03-2019.html</a>	24.04.2019



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<a href="/opportunities/h2020/topics/dt-art-03-2019.html">/opportunities/h2020/topics/dt-art-03-2019.html</a>	
<b>DT-ART-04-2019</b> Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all	Shared, connected and cooperative automated vehicles may become a game changer for urban mobility. There is a need for demonstrating these services in real life conditions to test the performance, safety and viability of these systems and services and to prove that they are attractive for and accepted by users. <b>Main keywords: finance, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-04-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-art-04-2019.html</a>	24.04.2019
<b>LC-GV-03-2019</b> User centric charging infrastructure	The market share of full electric vehicles is still low in many European member states. The challenge will be to support the accelerated deployment of recharging infrastructure, on one hand a slow charging one for cities with low garage availability, on the other to support occasional ultrafast charging for long range travel. <b>Main keywords: economics, sociology, law</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-gv-03-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-gv-03-2019.html</a>	24.04.2019
<b>LC-GV-05-2019</b> InCo flagship on "Urban mobility and sustainable electrification in large urban areas in developing and emerging economies"	<b><u>Topics with minor SSH relevance</u></b> Actions should bring together European, Asian (e.g. China), CELAC (Community of Latin American and Caribbean States) and African research partners, government agencies and urban authorities, private sector and civil society with relevant expertise and competence within the corresponding cooperation framework and foster participatory engagement in urban electrification in order to reduce air pollution and CO <sub>2</sub> emissions. <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-gv-05-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-gv-05-2019.html</a>	24.04.2019



## SC5. Climate action, environment, resource efficiency and raw materials

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>LC-CLA-01-2018</b> Supporting the development of climate policies to deliver on the Paris Agreement, through Integrated Assessment Models (IAMs)	<p>Actions should address only one of the following sub-topics: a) Supporting the design and assessment of climate policies; b) Improving Integrated Assessment Models (IAMs).</p> <p><b>Main keywords: finance, economics, sociology, political science</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-01-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-01-2018.html</a></p>	1 <sup>st</sup> stage: 27.02.2018  2 <sup>nd</sup> stage: 04.09.2018
<b>LC-CLA-03-2018</b> Climate change impacts in Europe	<p>Actions should address only one of the following sub-topics: a) Climate change impacts on health in Europe; b) Global climate change impacts from a European perspective.</p> <p><b>Main keywords: finance, economics, sociology, political science</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-03-2018.html</a></p>	1 <sup>st</sup> stage: 27.02.2018  2 <sup>nd</sup> stage: 04.09.2018
<b>LC-CLA-04-2018</b> Resilience and sustainable reconstruction of historic areas to cope with climate change and hazard events	<p>Actions should establish how to implement the principle of building back better and safer in carrying out sustainable reconstruction and recovery interventions of historic areas where damage has occurred, thus rendering them more socially, economically and environmentally resilient, and/or should establish how to proactively enhance the resilience of these areas so that they will better cope with future disasters.</p> <p><b>Main keywords: finance, economics, sociology, public and institutional administration, history, archaeology, anthropology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-04-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-04-2018.html</a></p>	1 <sup>st</sup> stage: 27.02.2018  2 <sup>nd</sup> stage: 04.09.2018
<b>LC-CLA-05-2019</b> Human dynamics of climate change	<p>As climatic changes increasingly place populations under pressure, human beings are already adapting. Actions should address only one of the following sub-topics: a) Climate services for Africa; b) Climate and human migration.</p> <p><b>Main keywords: sociology, geography</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-05-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-05-2019.html</a></p>	1 <sup>st</sup> stage: 19.02.2018  2 <sup>nd</sup> stage: 04.09.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>LC-CLA-06-2019</b> Inter-relations between climate change, biodiversity and ecosystem services	Actions should investigate at all relevant spatial and temporal scales the way that ecological processes, biodiversity (including terrestrial and/or marine ecosystems as appropriate) and ecosystem services are impacted, both directly and indirectly, by climate change. <b>Main keywords: economics, sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-06-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-06-2019.html</a>	1 <sup>st</sup> stage: 19.02.2018 2 <sup>nd</sup> stage: 04.09.2018
<b>LC-CLA-07-2019</b> The changing cryosphere: uncertainties, risks and opportunities	Actions should aim at developing innovative approaches to address only one of the following sub-topics: a) Sea-level changes; b) Changes in Arctic biodiversity; c) Sustainable opportunities in a changing Arctic; d) Arctic standards. <b>Main keywords: economics, sociology, social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-07-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-cla-07-2019.html</a>	RIA – 1 <sup>st</sup> stage – 19.02.2019 2 <sup>nd</sup> stage – 04.09.2019 CSA – 19.02.2019
<b>CE-SC5-03-2018</b> Demonstrating systemic urban development for circular and regenerative cities	Actions should demonstrate how cities can be transformed into centres of circular innovation and stimulate regenerative practices in both urban and peri-urban areas (including the surrounding industrial areas and commercial ports). <b>Main keywords: public and institutional administration, social sciences and humanities disciplines, economics</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-03-2018.html</a>	1 <sup>st</sup> stage: 27.02.2018 2 <sup>nd</sup> stage: 04.09.2018
<b>CE-SC5-04-2019</b> Building a water-smart economy and society	Actions should demonstrate the feasibility of a 'water smart' economy and society in which all available water resources, including surface, groundwater, waste water, and process water, are managed in such a way as to avoid water scarcity and pollution, increase resilience to climate change, appropriately manage water-related risks, and ensure that all valuable substances that could be obtained from waste water treatment processes, or are embedded in used water streams, are recovered. <b>Main keywords: management, finance, marketing, social sciences and humanities</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-04-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-04-2019.html</a>	1 <sup>st</sup> stage – 19.02.2019 2 <sup>nd</sup> stage – 04.09.2019
<b>SC5-11-2018</b> Digital solutions for water: linking the physical and digital world for water solutions	Actions should develop and test new, robust and cybersecure systems, linking the physical and digital world to ensure tailored, water-smart solutions, to exploit the value of data for the water sector and to foster higher information transparency and accountability. They should cover various water management areas, cycles and value	1 <sup>st</sup> stage: 27.02.2018 2 <sup>nd</sup> stage:



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<p>chains, based on an integrated approach of all water resources and water bodies.</p> <p><b>Main keywords: social sciences and humanities, economics, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-11-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-11-2018.html</a></p>	04.09.2018
<p><b>SC5-12-2018</b></p> <p>EU-India water co-operation</p>	<p>This action should develop new and/or adapt the most suitable existing innovative and affordable solutions for Indian conditions, both in urban and rural areas, addressing one or more of the following broad challenges: drinking water purification with a focus on emerging pollutants; waste water treatment, with scope for resource/energy recovery, reuse, recycle and rainwater harvesting, including bioremediation technologies; real time monitoring and control systems in distribution and treatment systems.</p> <p><b>Main keywords: sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-12-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-12-2018.html</a></p>	27.02.2018
<p><b>SC5-13-2018-2019</b></p> <p>Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems</p>	<p>Actions should develop models, tools, decision support systems, methodologies, strategies, guidelines, standards and approaches for the design, construction, deployment and monitoring of nature-based solutions and restoration, prevention of further degradation, rehabilitation and maintenance measures for urban and peri-urban ecosystems and the ecological coherence and integrity of cities.</p> <p><b>Main keywords: sociology, finance, social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-13-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-13-2018-2019.html</a></p>	<p>Call 2018 – 1<sup>st</sup> stage: 27.02.2018</p> <p>2<sup>nd</sup> stage: 04.09.2018</p> <p>Call 2019 – 1<sup>st</sup> stage – 19.02.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<p><b>SC5-14-2019</b></p> <p>Visionary and integrated solutions to improve well-being and health in cities</p>	<p>Actions should deliver visionary and integrated solutions (e.g. therapy gardens, urban living rooms, creative streets, city farms) at the intersection of social, cultural, digital and nature-based innovation to increase citizens' health and well-being in cities.</p> <p><b>Main keywords: sociology, management, law, finance, public and institutional administration, psychology, economics, law, anthropology, sociology, design</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-14-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-14-2019.html</a></p>	<p>1<sup>st</sup> stage – 19.02.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<p><b>SC5-18-2018</b></p> <p>Valuing nature:</p>	<p>Actions should address only one of the following sub-topics: a) Valuing nature: developing and implementing</p>	



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
mainstreaming natural capital in policies and in business decision-making	<p>natural capital and ecosystem accounts in EU Member States and Associated Countries; b) Operationalisation of natural capital accounting in business decisions.</p> <p><b>Main keywords: finance, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-18-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-18-2018.html</a></p>	27.02.2018
<p><b>SC5-19-2018</b></p> <p>International network to promote cultural heritage innovation and diplomacy</p>	<p>Actions should establish an international network that will capitalise on EU expertise to leverage the value of European cultural heritage assets, promote heritage-led innovation for sustainable development and provide expertise and assistance, particularly where cultural heritage is at risk.</p> <p><b>Main keywords: sociology, finance, economics, management</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-19-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-19-2018.html</a></p>	27.02.2018
<p><b>SC5-20-2019</b></p> <p>Transforming historic urban areas and/or cultural landscapes into hubs of entrepreneurship and social and cultural integration</p>	<p>Actions should develop, demonstrate and document strategies, approaches and solutions to re-activate and re-generate historic urban areas and/or cultural landscapes.</p> <p><b>Main keywords: sociology, finance, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-20-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-20-2019.html</a></p>	<p>1<sup>st</sup> stage – 19.02.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<p><b>CE-SC5-08-2018-2019-2020</b></p> <p>Raw materials policy support actions for the circular economy</p>	<p><b>Topics with minor SSH relevance</b></p> <p>All actions should contribute to building the EU knowledge base of primary and secondary raw materials (EC Raw Materials Information System – RMIS).</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-08-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-08-2018-2019-2020.html</a></p>	<p>1<sup>st</sup> stage – 19.02.2019</p> <p>2<sup>nd</sup> stage – 04.09.2019</p>
<p><b>SC5-17-2018</b></p> <p>Towards operational forecasting of earthquakes and early warning capacity for more resilient societies</p>	<p><b>Topics with minor SSH relevance</b></p> <p>Actions should enable an effective, real time seismic risk reduction capacity, and the improvement of current observational capabilities, present forecasting modelling and testing- validation capabilities, also accounting for their uncertainties.</p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-17-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc5-17-2018.html</a></p>	<p>1<sup>st</sup> stage: 27.02.2018</p> <p>2<sup>nd</sup> stage: 04.09.2018</p>



## SC6. Europe in changing world: inclusive, innovative and reflective societies

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>MIGRATION-01-2019</b> Understanding migration mobility patterns: elaborating mid and long-term migration scenarios	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-01-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-01-2019.html</a>	14.04.2019
<b>MIGRATION-02-2018</b> Towards forward-looking migration governance: addressing the challenges, assessing capacities and designing future strategies	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-02-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-02-2018.html</a>	13.03.2018
<b>MIGRATION-03-2019</b> Social and economic effects of migration in Europe and integration policies	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-03-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-03-2019.html</a>	14.03.2019
<b>MIGRATION-05-2018-2020</b> Mapping and overcoming integration challenges for migrant children	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-05-2018-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-05-2018-2020.html</a>	13.03.2018
<b>DT-MIGRATION-06-2018-2019</b> Addressing the challenge of migrant integration through ICT-enabled solutions	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-migration-06-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-migration-06-2018-2019.html</a>	Call 2018 – 13.03.2018 Call 2019 – 14.03.2019
<b>MIGRATION-07-2019</b> International protection of refugees in a comparative perspective	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-07-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-07-2019.html</a>	14.03.2019
<b>MIGRATION-08-2018</b> Addressing the challenge of forced displacement	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-08-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/migration-08-2018.html</a>	13.03.2018
<b>TRANSFORMATIONS-01-2018</b> Research for inclusive growth: addressing the	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-01-2018.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-01-2018.html</a>	13.03.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
socioeconomic effects of technological transformations		
<b>DT-TRANSFORMATIONS-02-2018-2019-2020</b> Transformative impact of disruptive technologies in public services	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-02-2018-2019-2020.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-02-2018-2019-2020.html</a>	Call 2018 – 13.03.2018 Call 2019 – 14.03.2019
<b>TRANSFORMATIONS-03-2018-2019</b> Innovative solutions for inclusive and sustainable urban environments	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-03-2018-2019.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-03-2018-2019.html</a>	Call 2018 – 13.03.2018 Call 2019 – 14.03.2019
<b>TRANSFORMATIONS-04-2019-2020</b> Innovative approaches to urban and regional development through cultural tourism	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-04-2019-2020.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-04-2019-2020.html</a>	14.03.2019
<b>TRANSFORMATIONS-05-2018</b> Cities as a platform for citizen-driven innovation	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-05-2018.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-05-2018.html</a>	13.03.2018
<b>TRANSFORMATIONS-06-2018</b> Inclusive and sustainable growth through cultural and creative industries and the arts	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-06-2018.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-06-2018.html</a>	13.03.2018
<b>DT-TRANSFORMATIONS-07-2019</b> The impact of technological transformations on children and youth	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-07-2019.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-07-2019.html</a>	14.03.2019
<b>TRANSFORMATIONS-08-2019</b> The societal value of culture and the impact of cultural policies in Europe	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-08-2019.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-08-2019.html</a>	14.03.2019
<b>SU-TRANSFORMATIONS-09-2018</b> Social platform on	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-transformations-">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-transformations-</a>	13.03.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
endangered cultural heritage and on illicit trafficking of cultural goods	<a href="#">09-2018.html</a>	
<b>TRANSFORMATIONS-14-2018</b> Supply and demand-oriented economic policies to boost robust growth in Europe – Addressing the social and economic challenges in Europe	<b><u>Dedicated Topic</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-14-2018.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-14-2018.html</a>	13.03.2018
<b>DT-TRANSFORMATIONS-11-2019</b> Collaborative approaches to cultural heritage for social cohesion	<b><u>Topics with minor SSH relevance</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-11-2019.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-11-2019.html</a>	14.03.2019
<b>DT-TRANSFORMATIONS-12-2018-2020</b> Curation of digital assets and advanced digitisation	<b><u>Topics with minor SSH relevance</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-12-2018-2020.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-transformations-12-2018-2020.html</a>	13.03.2018
<b>TRANSFORMATIONS-13-2019</b> Using big data approaches in research and innovation policy making	<b><u>Topics with minor SSH relevance</u></b> <a href="https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-13-2019.html">https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/transformations-13-2019.html</a>	14.03.2019
<b>GOVERNANCE-01-2019</b> Trust in governance	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-01-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-01-2019.html</a>	14.03.2019
<b>GOVERNANCE-02-2018-2019</b> Past, present and future of differentiation in European governance	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-02-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-02-2018-2019.html</a>	Call 2018 – 13.03.2018 Call 2019 – 14.03.2019
<b>GOVERNANCE-03-2018</b> Addressing populism and boosting civic and democratic engagement	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-03-2018.html</a>	13.03.2018
<b>GOVERNANCE-04-2019</b> Enhancing social rights and EU citizenship	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-04-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-04-2019.html</a>	14.03.2019



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>DT-GOVERNANCE-05-2018-2019-2020</b> New forms of delivering public goods and inclusive public services	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-governance-05-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-governance-05-2018-2019-2020.html</a>	Call 2018 – 13.03.2018 Call 2019 – 14.03.2019
<b>GOVERNANCE-06-2018</b> Trends and forward-looking scenarios in global governance	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-06-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-06-2018.html</a>	13.03.2018
<b>GOVERNANCE-08-2018</b> Partnering for viability assessments of innovative solutions for markets outside Europe	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-08-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-08-2018.html</a>	13.03.2018
<b>SU-GOVERNANCE-10-2019</b> Drivers and contexts of violent extremism in the broader MENA region and the Balkans	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-governance-10-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-governance-10-2019.html</a>	14.03.2019
<b>SU-GOVERNANCE-11-2018</b> Extreme ideologies and polarisation	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-governance-11-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-governance-11-2018.html</a>	13.03.2018
<b>DT-GOVERNANCE-13-2019</b> Digitisation, Digital Single Market and European culture: new challenges for creativity, intellectual property rights and copyright	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-governance-13-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-governance-13-2019.html</a>	14.03.2019
<b>GOVERNANCE-15-2018</b> Taking lessons from the practices of interdisciplinarity in Europe	<b>Dedicated Topic</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-15-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/governance-15-2018.html</a>	13.03.2018



## SC7. Secure Societies – Protecting Freedom and Security of Europe and Its Citizens

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>SU-INFRA02-2019</b> Security for smart and safe cities, including for public spaces	<p>Proposals under this topic should develop and integrate experimentally, in situ, the components of an open platform for sharing and managing information between public service operators and security practitioners of a large, smart city.</p> <p><b>Main keywords: sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-infra02-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-infra02-2019.html</a></p>	22.08.2019
<b>SU-DRS01-2018-2019-2020</b> Human factors, and social, societal, and organisational aspects for disaster-resilient societies	<p>Building the resilience of society and citizens requires a better understanding and implementation of new technologies, media and tools, and their capacity to raise disaster risk awareness, to improve citizen understanding of risks, to build a culture of risks in society, to enable an effective response from affected populations, to improve functional organisation in most fragile and vulnerable environments, and to increase the resilience of health services, social services, education, and governance, in line with target (d) of the Sendai Framework on critical infrastructure and disruption of basic services.</p> <p><b>Main keywords: finance, sociology, management, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs01-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs01-2018-2019-2020.html</a></p>	Call 2018 – 23.08.2018 Call 2019 – 22.08.2019
<b>SU-DRS02-2018-2019-2020</b> Technologies for first responders	<p>Proposals are invited to propose novel solutions improving the protection of first responders against multiple and unexpected dangers, or enhancing their capacities by addressing related research and innovation issues.</p> <p><b>Main keywords: sociology, law</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs02-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-drs02-2018-2019-2020.html</a></p>	Call 2018 – 23.08.2018 Call 2019 – 22.08.2019
<b>SU-FCT01-2018-2019-2020</b> Human factors, and social, societal, and organizational aspects to solve issues in fighting against crime and terrorism	<p>The Lisbon Treaty enables the EU to act to develop itself as an area of freedom, security and justice. The EU Security Union is now in the building, and requires an EU-wide approach to security that integrates prevention, investigation and mitigation capabilities in the area of the fight against crime.</p> <p><b>Main keywords: social sciences and humanities, psychology, law, anthropology, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct01-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct01-2018-2019-2020.html</a></p>	Call 2018 – 23.08.2018 Call 2019 – 22.08.2019



	<a href="/opportunities/h2020/topics/su-fct01-2018-2019-2020.html">/opportunities/h2020/topics/su-fct01-2018-2019-2020.html</a>	
<b>SU-FCT02-2018-2019-2020</b> Technologies to enhance the fight against crime and terrorism	<p>There is a growing need to focus on technology opportunities provided by new and emerging technologies. To this end, it is necessary to identify new knowledge and targeted technologies for fighting old, new and evolving forms of criminal and terrorist behaviour supported by advanced technologies.</p> <p><b>Main keywords: law, sociology</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct02-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct02-2018-2019-2020.html</a></p>	<p>Call 2018 – 23.08.2018</p> <p>Call 2019 – 22.08.2019</p>
<b>SU-FCT03-2018-2019-2020</b> Information and data stream management to fight against (cyber)crime and terrorism	<p>Large amounts of data and information from a variety of origins have become available to practitioners involved in fighting crime and terrorism. Full advantage is not currently taken of the most advanced techniques for Big Data analysis, and artificial intelligence.</p> <p><b>Main keywords: psychology, sociology, linguistics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct03-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-fct03-2018-2019-2020.html</a></p>	<p>Call 2018 – 23.08.2018</p> <p>Call 2019 – 22.08.2019</p>
<b>SU-BES01-2018-2019-2020</b> Human factors, and social, societal, and organizational aspects of border and external security	<p>Proposals (which should take into account already existing tools) are invited to address related research and innovation issues, each under only one of the following sub-topics: Sub-topic 1: [2018] Detecting security threats possibly resulting from certain perceptions abroad, that deviate from the reality of the EU; Sub-topic 2: [2019] Modelling, predicting, and dealing with migration flows to avoid tensions and violence; Sub-topic 3: [2020] Developing indicators of threats at the EU external borders on the basis of sound risk and vulnerability assessment methodologies; Sub-topic: [2018-2019] Open.</p> <p><b>Main keywords: economics, sociology, law, demography</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-bes01-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/su-bes01-2018-2019-2020.html</a></p>	<p>Call 2018 – 23.08.2018</p> <p>Call 2019 – 22.08.2019</p>



## Science with and for society

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>SwafS-01-2018-2019</b> Open schooling and collaboration on science education	<p>The proposed action targets the creation of new partnerships in local communities to foster improved science education for all citizens. This action aims to support a range of activities based on collaboration between formal, non-formal and informal science education providers, enterprises and civil society in order to integrate the concept of open schooling, including all educational levels, in science education.</p> <p><b>Main keywords: economics, sociology, geography</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-01-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-01-2018-2019.html</a></p>	Call 2018 – 1 <sup>st</sup> stage – 10.04.2018 2 <sup>nd</sup> stage – 13.11.2018 Call 2019 – 1 <sup>st</sup> stage – 02.04.2019 2 <sup>nd</sup> stage – 07.11.2019
<b>SwafS-02-2018</b> Innovative methods for teaching ethics and research integrity	<p>On the basis of existing successful educational practices, the action will develop and test innovative educational student-centred methods (formal and informal) aiming to promote a culture of research integrity and raise awareness of students and early career researchers.</p> <p><b>Main keywords: educational policy and assessment, educational research</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-02-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-02-2018.html</a></p>	10.04.2018
<b>SwafS-03-2018</b> Developing research integrity standard operating procedures	<p>The action aims to promote the development of Research Integrity Promotion Plans, i.e. concrete and efficient research integrity support processes and structures as "drivers" for institutional change within Research performing organisations (RPOs), and Research funding organisations (RFOs).</p> <p><b>Main keywords: finance, law, social sciences and humanities</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-03-2018.html</a></p>	10.04.2018
<b>SwafS-08-2019</b> Research innovation needs & skills training in PhD programmes	<p>A broad package of skills-related training, integration and intelligence for researchers and scientists in all career stages will need to be developed.</p> <p><b>Main keywords: curriculum development in non-vocational and vocational subjects, educational policy and assessment</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-08-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-08-2019.html</a></p>	02.04.2019
<b>SwafS-09-2018-2019</b>	<p>The action should focus on implementing Gender Equality Plans (GEPs) in research organisations and universities,</p>	Call 2018 –



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
Supporting research organisations to implement gender equality plans	as "drivers" for systemic institutional changes. The GEPs should be developed using a coherent approach, referring to the GEAR tool step-by-step guide. <b>Main keywords: sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-09-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-09-2018-2019.html</a>	10.04.2018 Call 2019 – 02.04.2019
<b>SwafS-10-2018</b> Analysing gender gaps and biases in the allocation of grants	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-10-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-10-2018.html</a>	10.04.2018
<b>SwafS-11-2019</b> Scenarios for an award/certification system for gender equality in research organisations and universities in Europe	<b><u>Dedicated Topic</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-11-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-11-2019.html</a>	02.04.2019
<b>SwafS-12-2019</b> The gender perspective of science, technology and innovation (STI) in dialogue with third countries	The project will investigate how gender equality matters are taken into consideration at different levels of international cooperation in the area of science, technology and innovation between the EU and a selected set of third countries, along three objectives, i.e. equality in scientific careers, gender balance in decision making, and the integration of the gender dimension in R&I content. <b>Main keywords: sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-12-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-12-2019.html</a>	02.04.2019
<b>SwafS-13-2018</b> Gender Equality Academy and dissemination of gender knowledge across Europe	In an initial phase, this project will design training material for trainers, practitioners and researchers on a variety of issues relevant for gender equality in research and innovation (gender balance, gender dimension, gender bias, etc.). <b>Main keywords: sociology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-13-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-13-2018.html</a>	10.04.2018
<b>SwafS-14-2018-2019</b> Supporting the development of territorial Responsible Research and Innovation	For the present topic, 'territory' should be understood broadly. Territories may be defined by any particular area characterised by certain geographical features, or any area with shared cultural, environmental or economic ties. Consortia should focus activities in more than one territory in Europe (and possibly also in Third Countries), with a view to developing and promoting shared learning and diffusion of governance innovations.	02.04.2019



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<p><b>Main keywords: sociology, economics, ethics, management, education</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-14-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-14-2018-2019.html</a></p>	
<p><b>SwafS-15-2018-2019</b></p> <p>Exploring and supporting citizen science</p>	<p>For the present topic citizen science should be understood broadly, covering a range of different levels of participation, from raising public knowledge of science, encouraging citizens to participate in the scientific process by observing, gathering and processing data, right up to setting scientific agenda and co-designing and implementing science-related policies.</p> <p><b>Main keywords: education, sociology, geography, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-15-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-15-2018-2019.html</a></p>	<p>RIA, CSA – 10.04.2018</p> <p>RIA – 02.04.2019</p>
<p><b>SwafS-16-2019</b></p> <p>Ethics of Innovation: the challenge of new interaction modes</p>	<p>In order to maximise the social benefits derived from innovation, the action will assess the ethical, regulatory and governance issues potentially arising in this context. The action should identify what the distinctive elements of innovation ethics would be in this dynamic context.</p> <p><b>Main keywords: ethics, law</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-16-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-16-2019.html</a></p>	02.04.2019
<p><b>SwafS-17-2019</b></p> <p>Consolidating and expanding the knowledge base on citizen science</p>	<p>This topic will deepen scientific knowledge on citizen science. It will work very closely with and examine and synthesize data arising from existing citizen science projects (in particular, but not limited to, those funded by SWAFS) to better understand participation patterns in citizen science, the types of activities conducted, the transformative potentials of participating in citizen science, challenges faced by citizen scientists, enablers and barriers to participating in citizen science (e.g. in terms of socio-economic status, gender, age, and in terms of R&amp;I policies), and a strengthened knowledge base on its benefits.</p> <p><b>Main keywords: sociology, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-17-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-17-2019.html</a></p>	02.04.2019
<p><b>SwafS-18-2018</b></p> <p>Taking stock of the application of the precautionary principle in R&amp;I</p>	<p>Consortia will take stock of the implementation of precautionary principle (PP) since 2000 in various contexts, analyse the effects of the PP and propose several scenarios for the future of the PP and Innovation Principle (IP). Consortia are expected to examine international, EU, national (and sub-national) level initiatives and policies related to due and proportionate precaution.</p>	10.04.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
	<b>Main keywords: jurisprudence, sociology, economics</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-18-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-18-2018.html</a>	
<b>SwafS-19-2018-2019</b> Taking stock and re-examining the role of science communication	This topic aims to better understand how results from research and scientific methodologies are communicated and perceived by citizens (taking into account age, gender, and socio-economic status), develop improved ways to measure and assess science communication, and identify good practices and policy guidelines to increase the accuracy of (and therefore trust in) science communication.  <b>Main keywords: sociology, economics, journalism, finance, law, education</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-19-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-19-2018-2019.html</a>	Call 2018 – 10.04.2018  Call 2019 – 02.04.2019
<b>SwafS-20-2018-2019</b> Building the SwafS knowledge base	Understanding the evolution of science and society will help proactive and anticipatory policy making. The present topic is completely bottom-up. Research and innovation actions are invited, using the above specific challenge to help stimulate ideas about where research is most needed.  <b>Main keywords: sociology, linguistics, anthropology</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-20-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-20-2018-2019.html</a>	Call 2018 – 1 <sup>st</sup> stage – 10.04.2018 2 <sup>nd</sup> stage – 13.11.2018  Call 2019 – 1 <sup>st</sup> stage – 02.04.2019 2 <sup>nd</sup> stage – 07.11.2019
<b>SwafS-21-2018</b> Advancing the Monitoring of the Evolution and Benefits of Responsible Research and Innovation	Based on the outcomes of MoRRI, consortia should work to implement an improved RRI monitoring system. One improvement that should be foreseen is consideration of scientific benefits of RRI, in addition to the societal, democratic and economic ones examined and elaborated on by MoRRI.  <b>Main keywords: sociology, economics</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-21-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-21-2018.html</a>	10.04.2018
<b>SwafS-04-2018</b> Encouraging the re-use of research data generated by publically funded research projects	<b>Topics with minor SSH relevance</b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-04-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-04-2018.html</a>	10.04.2018



Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>SwafS-05-2018-2019</b> Grounding RRI practices in research and innovation funding and performing organisations	<b><u>Topics with minor SSH relevance</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-05-2018-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-05-2018-2019.html</a>	Call 2018 – 10.04.2018 Call 2019 – 02.04.2019
<b>SwafS-06-2018</b> Science4Refugees	<b><u>Topics with minor SSH relevance</u></b> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-06-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/swafs-06-2018.html</a>	10.04.2018



## Spreading Excellence and Widening Participation

Title	SSH Aspects	Submission Deadlines (dd.mm.yyyy)
<b>WIDESPREAD-03-2018</b> Twinning	<p>Twinning aims at significantly strengthening a defined field of research in a university or research organisation from a Widening country by linking it with at least two internationally-leading research institutions in other Member States or Associated Countries.</p> <p><b>Main keywords: sociology, economics</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/widespread-03-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/widespread-03-2018.html</a></p>	15.11.2018
<b>WIDESPREAD-04-2019</b> ERA Chairs	<p>The ERA Chairs actions will support universities or research organisations with the objective of attracting and maintaining high quality human resources under the direction of an outstanding researcher and research manager (the "ERA Chair holder") and in parallel implement structural changes to achieve excellence on a sustainable basis.</p> <p><b>Main keywords: management</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/widespread-04-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/widespread-04-2019.html</a></p>	15.11.2018
<b>WF-01-2018</b> Widening Fellowships	<p>Support is foreseen for individual, trans-national fellowships awarded to researchers of any nationality, in Widening countries.</p> <p><b>Main keywords: management, curriculum development in non-vocational and vocational subjects</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/wf-01-2018.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/wf-01-2018.html</a></p>	12.09.2018
<b>WF-02-2019</b> Widening Fellowships	<p>Support is foreseen for individual, trans-national fellowships awarded to researchers of any nationality, in Widening countries. Applications to the 2019 call for Marie Skłodowska-Curie actions Individual Fellowships (MSCA-IF), where the host organisation is located in an eligible widening country, will be automatically resubmitted to this call in case their proposal fails to reach an adequate place in the ranking to be funded in the regular MSCA-IF call.</p> <p><b>Main keywords: management, curriculum development in non-vocational and vocational subjects</b></p> <p><a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/wf-02-2019.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/wf-02-2019.html</a></p>	11.09.2019

