

Serviciul pentru administrarea proiectelor de cercetare științifică

Apeluri deschise Orizont 2020

Nr. crt.	Program	Call	Topic	Deadline	Topic description
1.	Health, demographic change and wellbeing	Better Health and care, economic growth and sustainable health systems	SC1-BHC-36-2020: Micro- and nano-plastics in our environment: Understanding exposures and impacts on human health	07 April 2020	Scope: Proposals should use innovative approaches to provide policy relevant scientific data in support of improved human health hazard and risk assessment of micro and/or nanoplastics.
2.	Health, demographic change and wellbeing	Digital transformation in Health and Care	SC1-DTH-02-2020: Personalised early risk prediction, prevention and intervention based on Artificial Intelligence and Big Data technologies	22 April 2020	Proposals should build on results of projects and the state of the art in ICT for early risk prediction and introduce innovative ICT solutions through data, data analytics, advanced or novel digital technologies, services, products, organisational changes, and citizens data ownership, that lead to more effective health and care systems.
3.	Europe in a changing world – Inclusive, innovative and reflective societies	Governance for the future	DT-GOVERNANCE-05-2018-2019-2020: New forms of delivering public goods and inclusive public services	12 March 2020	Proposals should analyse, develop and demonstrate the potential for sharing common services with different actors (public and private and third sectors) to achieve efficiency and effectiveness in these collaborations, in particular leveraging mobile communications and Apps.
4.	Europe in a changing world – Inclusive, innovative and reflective societies	Governance for the future	DT-GOVERNANCE-12-2019-2020: Pilot on using the European cloud infrastructure for public administrations	12 March 2020	Proposals should develop new ways and methods and ethical aspects of using the cloud infrastructure by public administrations for policy modelling, policy making and policy implementation. They should also create reusable models that allow for a better, more accurate and more efficient development and management of policies related to health, emergency responses, weather warning etc
5.	Europe in a changing world – Inclusive, innovative and	Governance for the future	DT-GOVERNANCE-22-2020: Citizen-centric public services in local and regional administrations	12 March 2020	Scope: For user-centric digital public services, the proposed action will: 1. support the implementation of the 'User-centricity principles for design and delivery of digital public services' laid down in the Tallinn Declaration putting citizens truly at the heart of governments' digital transformation at cities and regions level; 2. encourage and recognise cities and regions that are taking policies steps to become more user-centric;

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	reflective societies				3. promote capacity building, best practices and experience exchange, solutions reuse, training, awareness raising through a community building approach ; 4. ensure that the mechanism for recognising user-centric cities and regions and the community will become self-sustainable beyond the H2020 funding.
6.	Europe in a changing world – Inclusive, innovative and reflective societies	Socioeconomic and cultural transformations in the context of the fourth industrial revolution	DT-TRANSFORMATIO NS-02-2018-2019-2020: Transformative impact of disruptive technologies in public services	12 March 2020	Proposals should pilot the technology and should engage multidisciplinary partners including those from social sciences and humanities, stakeholders and users (both public servants and citizens if appropriate) to examine how emerging technologies can impact the public sector (including the impact on public servants and the relation between public services and citizens) and explore in a wide-ranging fashion the issues surrounding the use of these technologies in the public sector (incl. e.g. the impact on capital, labour and knowledge). One of such issues will be experimenting with Digital Innovation Hubs (DIHs) to engage innovative industrial suppliers such as startups, Govtech and innovative SMEs to pilot the adoption and use of disruptive technologies to improve public services.
7.	Europe in a changing world – Inclusive, innovative and reflective societies	Socioeconomic and cultural transformations in the context of the fourth industrial revolution	DT-TRANSFORMATIO NS-12-2018-2020: Curation of digital assets and advanced digitisation	12 March 2020	The proposals should demonstrate how the new technologies, methods and data formats would help to present cultural and historic remains and memories in a comprehensive and attractive though scientifically based way, supporting the promotion of Europe's cultural heritage. Proposals should also show how the preservation and analysis of the tangible and intangible resources of our cultural heritage would enhance our understanding of cultural history.
8.	Europe in a changing world – Inclusive, innovative and reflective societies	Socioeconomic and cultural transformations in the context of the fourth industrial revolution	DT-TRANSFORMATIO NS-23-2020: To set up a digital accessibility observatory as a forum to take stock of market and technological developments, monitor progress in digital accessibility and provide opportunities for exchange of best practices	12 March 2020	Expected Impact: The action will support the implementation of the Web Accessibility Directive. It will support both public administrations as well as other relevant actors, committed to providing accessible information and services, in identifying the most appropriate accessibility solutions
9.	Europe in a changing world – Inclusive, innovative and	Governance for the future	GOVERNANCE-20-2020: Centres/Networks of European research and innovation	12 March 2020	Scope: To establish new centres, or networks of centres, in close cooperation with local technology and innovation structures located in third countries and regions. A maximum of three proposals will be supported including one for India and one for Africa.

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	reflective societies				
10.	Europe in a changing world – Inclusive, innovative and reflective societies	Governance for the future	GOVERNANCE-21-2020: Developing deliberative and participatory democracies through experimentation	12 March 2020	Scope: Research should elucidate the complex links between political discourses and identities (including populist standpoints), dialogue guided by reasoned argumentation and the potential for achieving consensus on policy choices. Projects should also consider issues pertaining to effective participation in deliberative and participatory processes (especially as regards vulnerable groups and the politically less active) and as to how effectively these are translated by governments and institutions into concrete action.
11.	Europe in a changing world – Inclusive, innovative and reflective societies	Governance for the future	MIGRATION-09-2020: Narratives on migration and its impact: past and present	12 March 2020	Scope: Proposals should address the dynamics and developments of migration narratives at local, national and EU level. Moreover, projects that include countries of origin and transit would be welcome. They should examine the general and potential long-term societal impact as well as the ethical implications of narratives on policy making
12.	Europe in a changing world – Inclusive, innovative and reflective societies	Governance for the future	SU-GOVERNANCE-09-2020: Addressing radicalization through social inclusion	12 March 2020	Scope: Based on empirical and multidisciplinary approaches, proposals should assess the multiple drivers and manifestations of radical ideologies prone to incite or lead to violence, both societal (including religious) and political, as well as the physical and online contexts for their propagation.
13.	Europe in a changing world – Inclusive, innovative and reflective societies	Socioeconomic and cultural transformations in the context of the fourth industrial revolution	TRANSFORMATIO NS-04-2019-2020: Innovative approaches to urban and regional development through cultural tourism	12 March 2020	Through exploring possibilities of cultural tourism in Europe's natural and cultural sites, including those with an industrial heritage, the proposals should propose innovative strategies and pilot solutions for successful and sustainable cross border, regional and local cooperation in cultural tourism, including those for management, training and services. Various options of the use of the EU Structural Investment Funds should be explored.
14.	Europe in a changing world – Inclusive, innovative and reflective societies	Socioeconomic and cultural transformations in the context of the fourth industrial revolution	TRANSFORMATIO NS-18-2020: Technological transformations, skills and globalization - future challenges for shared prosperity	12 March 2020	Scope: Proposals should first measure impact of technological progress, trade and globalisation on skills, employment, inequalities in income and wages and on labour mobility and migration in the EU.
15.	Europe in a changing world – Inclusive, innovative and	Socioeconomic and cultural transformations in the context of the	TRANSFORMATIO NS-19-2020: Culture beyond borders – Facilitating innovation and	12 March 2020	Scope: A network will bring together European museums and heritage sites (national museums, regional and local museums, European Heritage Label sites and European cultural routes, among others) with researchers and relevant public authorities for supporting cooperation between European museums and heritage sites.

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	reflective societies	fourth industrial revolution	research cooperation between European museums and heritage sites		
16.	Europe in a changing world – Inclusive, innovative and reflective societies	Socioeconomic and cultural transformations in the context of the fourth industrial revolution	TRANSFORMATIO NS-22-2020: Enhancing access and uptake of education to reverse inequalities	12 March 2020	The research will focus on access and uptake of education from early childhood to adult education using the most appropriate methods and approaches. Education should be understood comprehensively, including formal and informal education publicly or privately provided. Any means of knowledge, skills and competences acquisition should be considered.
17.	Information and Communication Technologies	Digitising and transforming European industry and services: digital innovation hubs and platforms	DT-ICT-09-2020: Boost rural economies through cross-sector digital service platforms	22 April 2020	Scope: Proposals are expected to develop and demonstrate cost-efficient and flexible crossdomain applications through large-scale pilots. These should build on an open, API-based, interoperable and federated IoT architecture and include a reference implementation supporting flexible integration of heterogeneous services. Pilots should bridge the interoperability gap of the smart object platforms and create markets for service – and application providers as well as platform operators, supported by a vibrant ecosystem of developers, service providers and user communities
18.	Information and Communication Technologies	Information and Communication Technologies	ICT-40-2020: Cloud Computing: towards a smart cloud computing continuum	22 April 2020	Scope: a) Research and Innovation Actions (RIA) Proposals will address at least one of the following areas: -Advanced cloud technologies and testbeds combining aspects of network, computing and data/information resources (i.e., next generation networks, novel datacenter architectures, fog/edge computing and sensor networks, large-scale analytics and simulation, public, hybrid, multi-cloud computing, etc.) to provide complete solutions encompassing network, computing and data services. -Advanced Cloud Data Privacy and Security techniques -Novel programming models and semantically interoperable services to support dynamic environments that respond intelligently to changes in application behaviour or data variability; b) Coordination and Support Actions (CSA) Proposals in this action will address the following: Coordinate stakeholders in Cloud Computing and act as support to R&D programmes/activities by disseminating project results and organising scientific and policy events, developing research and innovation roadmaps, and addressing pre-standardisation initiatives.
19.	Information and Communication Technologies	Information and Communication Technologies	ICT-49-2020: Artificial Intelligence on demand platform	22 April 2020	This topic builds on the AI-on-demand-platform funded in ICT26-2018-20, a reference access point gathering and providing access to AI-related knowledge, algorithms and tools and access to related infrastructures, equipment, and data resources, offering also experts support to potential users of AI in order to facilitate the integration of AI into applications, making it a compelling solution for users, especially from non-tech sectors.
20.	European research	Integrating and opening research	INFRAIA-02-2020: Integrating Activities	17 March 2020	An Integrating Activity will mobilise a comprehensive consortium of several key research infrastructures in a given field as well as other stakeholders (e.g. public

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	infrastructures (including e-Infrastructures)	infrastructures of European interest	for Starting Communities		authorities, technological partners, research institutions) from different Member States, Associated Countries and other third countries when appropriate, in particular when they offer complementary or more advanced services than those available in Europe.
21.	European research infrastructures (including e-Infrastructures)	Integrating and opening research infrastructures of European interest	INFRAIA-03-2020: Pilot for a new model of Integrating Activities	17 March 2020	Scope: The main objective of this topic is the provision of access to research infrastructures and the harmonisation of national and European procedures for providing access. Proposals will mobilise a comprehensive group of several key research infrastructures in a given large domain as well as other stakeholders (e.g. public authorities, funding agencies, technological partners, research institutions) from different Member States, Associated Countries and other third countries when appropriate, in particular when they offer complementary or more advanced services than those available in Europe
22.	European research infrastructures (including e-Infrastructures)	Demonstrating the role of Research Infrastructures in the translation of Open Science into Open Innovation	INFRAINNOV-03-2020: Co-Innovation platform for research infrastructure technologies	17 March 2020	Scope: The aim is the establishment of an open initiative oriented towards a novel research and innovation collaborative framework engaging both the research communities in Europe using Research Infrastructures and the industry (including SMEs), for the mutual benefit of these stakeholders and the European society at large.
23.	European research infrastructures (including e-Infrastructures)	Support to policy and international cooperation	INFRASUPP-02-2020: Strengthening the human capital of research infrastructures	17 March 2020	Scope: The activity will support the training of both female and male staff managing and operating research infrastructures, the exchange of staff and best practices between facilities, and the adequate supply of skilled human resources, including through the development of specific education curricula and courses. A proposal under this topic should build on the past activities and the experience gained in projects such as RAMIRI (Realising and Managing International Research Infrastructures) and Ritrain (Research Infrastructures Training Programme) and presents a clear evolution.
24.	Smart, green and integrated transport	2018-2020 Mobility for Growth	MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers	21 April 2020	Expected Impact: Research will result in designing an up to date set of concepts, methods and tools that respond to the emerging disruptive technologies and solutions and that can be used in support of transport/mobility researchers, planners and policy makers.
25.	Marie Skłodowska-Curie actions	Marie Skłodowska-Curie Research and Innovation Staff Exchange	MSCA-RISE-2020: Research and Innovation Staff Exchange	28 April 2020	Scope: RISE involves organisations from the academic and non-academic sectors (in particular SMEs), based in Europe (EU Member States and Horizon 2020 Associated Countries) and outside Europe (third countries). Support is provided for the development of partnerships in the form of a joint research and innovation project. This is aimed at knowledge sharing via international as well as intersectoral mobility, based on secondments of research and innovation staff (exchanges) with an in-built return mechanism.
26.	Science with and for Society	Science with and for Society	SwafS-08-2019-2020: Research innovation needs &	15 April 2020	Expected Impact: Impact is expected on post-graduate candidates and early stage researchers' careers, in closing the Open Science and entrepreneurship skills gap between research employment in academia and beyond academia. Expected impact also on the improvement of the innovation potential of future PhD candidates, by joint design of

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			skills training in PhD programmes		skills training courses and curricula of consortium partners into modernised PhD programmes
27.	Science with and for Society	Science with and for Society	SwafS-09-2018-2019-2020: Supporting research organisations to implement gender equality plans	15 April 2020	Scope: The action should focus on implementing Gender Equality Plans (GEPs) in research funding organisations and research performing organisations including universities, as "drivers" for systemic institutional changes.
28.	Science with and for Society	Science with and for Society	SwafS-14-2018-2019-2020: Supporting the development of territorial Responsible Research and Innovation	15 April 2020	Scope: 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.
29.	Science with and for Society	Science with and for Society	SwafS-25-2020: Gender-based violence including sexual harassment in research organisations and universities	15 April 2020	Expected Impact: Better understanding of Gender-Based Violence (GBV) in European universities and research organisations. Effective policies and measures implemented at universities and research organisations. Increased capacity of staff and students to address GBV.
30.	Science with and for Society	Science with and for Society	SwafS-27-2020: Hands-on citizen science and frugal innovation	15 April 2020	The present topic will focus on two specific aspects of citizen science. Scope: Sub-topic A, Citizen science: This will focus on hands-on citizen science activities. Proposals may focus on one particular area of scientific enquiry or tackle several, though social sciences and humanities and/or transdisciplinary approaches would be particularly welcomed. Sub-topic B, Frugal innovation: This sub-topic will support hands-on activities to develop frugal innovations. Frugal innovations minimise cost and complexity and are aimed at lowincome population groups in any part of the world that are scalable, durable and environmentally sustainable, but often using state-of-the-art technologies and know-how.
31.	Science with and for Society	Science with and for Society	SwafS-26-2020: Innovators of the future: bridging the gender gap	15 April 2020	Scope: The topic will support initiatives such as hands on activities, seminars, mentoring sessions, gender-inclusive innovative tools, etc. to develop entrepreneurial competences and inspire the next generation of innovators. These will be implemented with the support of role models (e.g. former winners of the EU Prize for Women Innovators)