

HORIZON 2020

LE PROGRAMME DE RECHERCHE ET
D'INNOVATION DE L'UNION EUROPÉENNE

Présentation des appels 2018-201 « villes innovantes »

Défi santé

Défi alimentation, agriculture

Défi sociétés inclusives

Défi sociétés sûres

Pilier 2 – TIC

Autres outils

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MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR
ET DE LA RECHERCHE


Défi santé, bien-être, changement démographique

1

Title	Key words	Cities	Dates	Type	Budget /projects
SC1-BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare	Demonstrate the benefit for individuals as well as the implementability and economic viability of PM approaches in real life healthcare settings Diseases with high burden to society Use of big data and HPC	partners in regions or cities having adopted or advanced in planning for introducing PM approaches	2/10/2018-16/04/2019	IA	20M (3 projects)
DT-TDS-01-2019: Smart and healthy living at home	Platforms for smart living at home that integrates a mix of advance ICT. 2 areas to address : Digital solutions for sustaining healthy and independant living Personalised early risk detection. Mix of advanced ICT ranging from biophotonics to robotics, from artificial intelligence to big data and from IoT to smart wearables can address these challenges.	proposed pilots should also demonstrate feasibility of integration with other relevant application domains such as energy, transport, or smart cities	14/10/2018	IA	15-20M (2 projects)

Défi 2 – Sécurité Alimentaire, agriculture durable...

2

Title	Key words	Cities	Dates	Type	Budget /projects
 <p>CE-SFS-24-2019: Innovative and citizen-driven food system approaches in cities</p>	<p>identify several food-related innovative approaches based on citizen science and engagement, to be practised in cities to foster sustainability of the food system. Proposals shall explore and share the application of these approaches in a wider range of European cities and shall be built on results of existing research, best practices and existing platforms and programmes.</p>	<p>Subsequent replication and application in other cities. action shall cover cities in rural and coastal areas and urban agglomerations. Active participation of municipalities and SMEs is strongly encouraged</p>	<p>23/01/2019</p>	<p>IA</p>	<p>6M (2 projects)</p>
<p>CE-SFS-25-2018: Integrated system innovation in valorising urban biowaste</p>	<p>Proposals shall focus on an integrated system innovation approach in urban biowaste recycling and valorisation for the production of high-value biobased products, including proteins for food and feed. Integration of the upgraded urban biowaste value chain into the existing local waste/wastewater management schemes.</p>	<p>Proposals shall guarantee the active participation of local and regional authorities, waste/wastewater management utilities, (biobased) industries, the scientific community, local communities and citizens.</p>	<p>13/02/2018</p>	<p>IA</p>	<p>10M (2 projects)</p>
<p>RUR-09-2018: Realising the potential of regional and local bio-based economies</p>	<p>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</p>	<p>Emphasis shall be put on increasing the capacities of regional/local authorities and stakeholders, especially in regions with high potential (e.g. underused biomass streams, human capacities), but that have a low number of established biorefineries</p>	<p>13/02/2018</p>	<p>CSA</p>	<p>3M (1 project)</p>


Défi 6 – Sociétés inclusives et réflexives


3

Title	Key words	Cities	Dates	Type	Budget /projects
TRANSFORMATIONS-03-2018 : Innovative solutions for inclusive and sustainable urban environments	The Urban Research Platform should bring together researchers, policy-makers and other experts on equitable, inclusive and sustainable urban development. Translate these into clear and applicable policy recommendations. It should facilitate knowledge sharing and connectivity between researchers, policy makers and practitioners.	end-users	13/03/2018	CSA (2018)	1,5M (1 project)
TRANSFORMATIONS-03-2019 : Innovative solutions for inclusive and sustainable urban environments	Proposals should assess the scale, dimensions and drivers of socio-economic inequalities in urban and peri-urban settings across different city typologies, across Europe and across demographic diversities, paying particular attention to gender differences. assess the effectiveness at local level of relevant policies, strategies, planning practices and other interventions aimed at promoting social inclusion, cohesion and resilience in urban environments, including new and participatory models of growth that foster sustainable and equitable prosperity	end-users		RIA (2019)	3M (1 project)
TRANSFORMATIONS-04-2019: Innovative approaches to urban and regional development through cultural tourism	Proposals should comparatively assess how the presence, development, decline or absence of cultural tourism has affected the development of European regions and urban areas.	case studies, end-users	14/03/2019	RIA	3M (3 projects)
TRANSFORMATIONS-05-2018: Cities as a platform for citizen-driven innovation	In a growing number of small and large cities across Europe, citizens are engaged and mobilised to demonstrate their ability in creating innovative solutions for important social issues. Proposals should capture successful innovative practices that are emerging in Europe particularly from those urban areas that effectively absorb, develop and create new knowledge and ideas, and turn this knowledge into social and economic development.	cities as experimental areas, platform bringing together hubs, incubators, co-creation spaces	13/03/2018	CSA	1M (1 project)
The European Capital of Innovation Award (iCapital)	A European prize to the most innovative city ecosystem. The traditional city innovation ecosystem is opening up to new models of innovation engaging citizens. An increasing number of cities are acting as test-beds for innovation and run citizens-driven initiatives to find solutions for their relevant societal challenges.	candidate cities must be established in an EU Member State or in Associated Country and have a population above 100,000 inhabitants	mid-2018 / mid-2019 / mid-2020	Prize	6 prizes /year : 1M to the winner, 100 000 to each of the 5 "runners-up"

Défi 7 – Sociétés sûres

4

Title	Key words	Cities	Dates	Type	Budget /projects
 <p>SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe</p>	<p>Proposals should cover: forecast, assessment of physical and cyber risks, prevention, detection, response, and in case of failure, mitigation of consequences (including novel installation designs), and fast recovery after incidents, over the life span of the infrastructure, with a view to achieving the security and resilience of all functions performed by the installations, and of neighbouring populations and the environment. Physical and cyber threats and incidents.</p>	<p>Focus on critical infrastructures: water systems, energy infrastructure (power plants and distribution, oil rigs), transport infrastructure (airports, ports, railways, urban multimodal nodes), communication infrastructures and ground segments of space systems, health services, e-commerce and the postal infrastructure, sensitive industrial sites and plants, and financial services. Largest variety of relevant beneficiaries, including infrastructure owners and operators, first responders, industry, technologists and social scientists</p>	<p>23/08/2018</p>	<p>IA</p>	<p>7-8M (3 projects)</p>
<p>SU-INFRA02-2019: Security for Smart Cities and "soft" targets in Smart Cities</p>	<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. The proposed pilots should consider how to combine, inter alia: Methods to detect weapons, explosives, toxic substances, Systems for video surveillance, Methods to identify, and neutralize crime perpetrators whilst minimizing intrusion into crowded areas</p>	<p>smart cities as experimental sites</p>	<p>22/08/2019</p>	<p>IA</p>	<p>8M (2 projects)</p>

Title	Key words	Cities	Dates	Type	Budget /projects
 ICT-12-2018-2020: Big Data technologies and extreme-scale analytics	coordination between the different existing activities in HPC/BD/Cloud technologies, including Public-Private Partnerships, digital innovation hubs and relevant national and regional initiatives, in particular the European Network of National Big Data Centres of Excellence.	Effective cooperation of the participating initiatives and platforms as measured by the jointly participating members/users, countries/regions/cities and projects, and the organisation of common events and joint initiatives, resulting in an increased prevalence of data value chains and related technologies (HPC/BD/Cloud/IoT) in the national and regional strategies.	17/04/2018	CSA	1M (1projet)
ICT-22-2018: EU-China 5G Collaboration	To conduct 5G trials addressing two specific scenarios: scenario n°1 - enhanced Mobile Broadband (eMBB) on the 3.5GHz band, which is a priority band in the two regions for early introduction of very high rate services; and scenario n°2 - Internet of Vehicles (IoV) based on LTE-V2X using the 5.9 GHz band for Vehicle-to-Vehicle (V2V) and the 3.5 GHz band for Vehicle-to-Network (V2N). Overall goal is to evaluate in real setup innovative end-to-end 5G systems built on the outcomes of the previous phases	Both scenarios shall be implemented in both regions (EU and China) through testbeds with interoperability forming the core of the R&I work. 5G trials' infrastructures shall be deployed in one or more cities in each region (EU/China)	31/01/2018	RIA	6M(2 "twinning projects")
EUJ-01-2018: Advanced technologies (Security / Cloud / IoT / BigData) for a hyper-connected society in the context of Smart City	2) Interoperable technologies of IoT devices/platforms in the context of Smart Cities: interoperability of IoT devices/platforms is of particular interest in the context of Smart Cities (the areas of energy, social infrastructure, traffic/transport, healthcare, and disaster/crime prevention) in order to promote collaboration between a variety of business operators and platforms connecting to various IoT devices, open	promote a global expansion of research results in Smart Cities. End-users	31/01/2018	RIA	1,5M (2 projets)
ICT-32-2018: STARTS – The Arts stimulating innovation	a) STARTS lighthouse pilots (RIA instrument) (ii) Lighthouse pilot in 'art-inspired urban manufacturing' . de-centralised digitally-enabled production systems and co-creation in urban environments. how digitally-enabled small-scale production/manufacturing systems and networks combined with artistic exploration and creativity in design and process - can revive the social, ecological and economic urban space and lead to unexpected products and services	experimental sites	17/04/2018	RIA	4M (2 projets)

📌 JPI Urban Europe

Upcoming call : “making cities work”

<http://jpi-urbaneurope.eu/making-cities-work/>

📌 LIFE programme

2017 call closed

<http://ec.europa.eu/environment/life/>



Merci de votre attention

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