

Greater Manchester Brussels Service Briefing

Horizon 2020 and Cities – Funding Opportunities

The final work programmes of Horizon 2020 (2018-2020) were published on 27 October 2017. Around €30bn in EU Research and Innovation funds has been allocated for the final three years of the programme. Sustainable urban development is also a strong component of Horizon 2020, with emphasis on social innovation and fostering citizen engagement for sustainable and healthy cities. This briefing paper highlights the main funding calls aimed at urban challenges and public authorities.

The briefing also includes the latest guidance to UK applicants in relation to Brexit, and a diagram showing how these funding calls can support the Greater Manchester Strategy.

Introduction

With a budget of €77bn, Horizon 2020 is the biggest EU research and innovation funding programme in the whole EU history. The programme is built around three pillars: 1) Excellent in Science; 2) Industrial Leadership; 3) Societal Challenges.

The main opportunities for cities and public authorities are within the seven Societal Challenges:

1. **Health, demographic change and wellbeing**
2. **Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy**
3. **Secure, clean and efficient energy**
4. **Smart, green and integrated transport**
5. **Climate action, environment, resource efficiency and raw materials**
6. **Inclusive, innovative and reflective societies**
7. **Secure & innovative societies**

Societal Challenge 1: Health, demographic change & wellbeing



SC1-DTH-05-2019: Large scale implementation of digital innovation for health and care in an ageing society

Scope: Public Procurement for Innovation (PPI) call to purchase and deploy ICT based solutions for active and healthy ageing through a common supply and demand side dialogue, which can deliver sustainable, new or improved health and care services promoting patient feedback in which public procurement approaches for innovative solutions lead to improved outcomes.

[Funding Call](#) (hyperlinked)

Deadline: 24 April 2019

Funding per project: €5m

Type of Action: PPI

SC1-DTH-10-2019-2020: Digital health and care services

Scope: Support to procure the development, testing and implementation of digital services and communication concepts that can facilitate the transition to integrated care models across health and social services and country-specific cross-institutional set-ups, including decentralised procurement environments and collaboration across institutions.

[Funding Call](#) (hyperlinked)

Deadline: 14 November 2018

Funding per project: €6m

Type of Action: Pre-Commercial Procurement

SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care	
Scope: The scope of this topic is to foster the large-scale pilots for deployment of trusted and personalised digital solutions dealing with Integrated Care, with a view to supporting and extending healthy and independent living for older individuals who are facing permanently or temporarily reduced functionality and capabilities.	
Funding Call (hyperlinked)	Deadline: 24 April 2019
Funding per project: €6m	Type of Action: Innovation
SC1-BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare	
Scope: The pilot projects should demonstrate the benefit for individuals as well as the implementability and economic viability of personalised medicine approaches in real life healthcare settings. Pilot projects should engage partners in regions or cities having adopted or that are in advanced planning for introducing personal medicine approaches.	
Funding Call (hyperlinked)	Deadline: 2 October 2018
Funding per project: €20m	Type of Action: Innovation
DT-TDS-01-2019: Smart and healthy living at home	
Scope: Support to foster large-scale deployment of integrated digital solutions which will bring improved quality of life to citizens while demonstrating significant efficiency gains in health and care delivery across Europe.	
Funding Call (hyperlinked)	Deadline: 14 November 2018
Funding per project: €20m	Type of Action: Innovation

Societal Challenge 2: Food Security, sustainable agriculture and forestry, marine, maritime, inland water & the bioeconomy



CE-RUR-10-2019: Circular bio-based business models for rural communities	
Scope: Support for new business models that can be replicated easily in a variety of locations and contexts, with relatively low levels of investment, risk and technical sophistication.	
Funding Call (hyperlinked)	Deadline: 23 January 2019
Funding per project: €10m	Type of Action: Innovation
CE-SFS-25-2018: Integrated system innovation in valorising urban biowaste	
Scope: Proposals shall focus on an integrated system approach in urban biowaste recycling and valorisation for the production of high-value biobased products, including proteins for food and feed.	
Funding Call (hyperlinked)	Deadline: 13 February 2018
Funding per project: €10m	Type of Action: Innovation
CE-SFS-24-2019: Innovative and citizen-driven food system approaches in cities	
Scope: 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.	
Funding Call (hyperlinked)	Deadline: 23 January 2019
Funding per project: €5m	Type of Action: Innovation

Societal Challenge 3 - Secure, Clean and Efficient Energy



LC-SC3-EE-1-2018-2019-2020: Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation	
Scope: Proposals should demonstrate solutions that ensure faster and more cost-effective deep renovations that result in energy performance equivalent to Nearly Zero Energy Buildings.	
Funding Call (hyperlinked)	Deadline: 4 September 2018 and 3 September 19
Funding per project: Up to €4m	Type of Action: Innovation
LC-SC3-EE-4-2019-2020: Upgrading smartness of existing buildings through innovations for legacy equipment	
Scope: Proposals should demonstrate 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.	
Funding Call (hyperlinked)	Deadline: 3 September 2019
Funding per project: Up to €4m	Type of Action: Innovation
LC-SC3-EE-9-2018-2019: Innovative financing for energy efficiency investments	
Scope: Proposals should address the development or replication and implementation of innovative financing schemes for energy efficiency investments.	

Funding Call (hyperlinked)	Deadline: 4 September 2018 and 3 September 19
Funding: Up to €1.5m grant per project	Type of Action: Coordination Action
LC-SC3-EE-11-2018-2019-2020: Aggregation - Project Development Assistance	
Scope: Support to public and private project promoters such as public authorities or their groupings, public/private infrastructure operators and bodies, energy service companies, retail chains, large property owners and services/industry. The action will support building technical, economic and legal expertise needed for project development and leading to the launch of concrete investments of at least €7.5 million to €50 million	
Funding Call (hyperlinked)	Deadline: 4 September 2018 and 3 September 19
Funding: Up to €1.5m grant per project	Type of Action: Coordination Action
LC-SC3-EC-1-2018-2019-2020: Motivating consumers towards active demand services	
Scope: Support to develop and implement effective actions to inform, assist, and engage consumers to better understand, and benefit from energy efficiency measures and active demand side services, thereby reducing energy consumption in their homes, the heating/cooling systems, and/or appliances.	
Funding Call (hyperlinked)	Deadline: 4 September 2018 and 3 September 19
Funding: Up to €2m grant per project	Type of Action: Coordination and Support Action
LC-SC3-EC-2-2018-2019-2020: Mitigating household energy poverty	
Scope: Proposals 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.	
Funding Call (hyperlinked)	Deadline: 4 September 2018 and 3 September 19
Funding: Up to €2m grant per project	Type of Action: Coordination and Support Action

LC-SC3-EE-16-2018-2019-2020 Supporting public authorities to implement the Energy Union	
Scope: Support to local and regional public authorities to: Deliver higher quality and consistency of energy efficiency measures; Develop transition roadmaps that clearly outline the path to the European long-term 2050 targets; Introduce innovative ways to enable public engagement in the energy transition; Deliver large-scale and action-oriented peer-to-peer learning programmes targeting cities and/or regions, with a strong replication potential European-wide.	
Funding Call (hyperlinked)	Deadline: 4 September 2018 and 3 September 2019
Funding: Up to €1.5m grant per project	Type of Action: Coordination and Support Action
LC-SC3-EE-17-2019 - European City facility - European Cities as key innovation hubs to unlock finance for energy efficiency	
Scope: Proposals are expected to set up and run a 'European City Facility' which offers financial support and services to cities and municipalities or their groupings.	
Funding Call (hyperlinked)	Deadline: 5 February 2019
Funding per project: Up to €10m	Type of Action: Coordination and Support Action
LC-SC3-SCC-1-2018-2019-2020 - Smart Cities and Communities	
Scope: Support to develop and test integrated innovative solutions for Positive Energy Blocks/Districts 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.	
Funding Call (hyperlinked)	Deadline: 4 April 2018 and 5 February 2019
Funding per project: Up to €20m	Type of Action: Innovation Action

Societal Challenge 4 - Smart, green and integrated transport



LC-MG-1-2-2018: Sustainable multi-modal inter-urban transport, regional mobility and spatial planning	
Scope: Support to address environmental, socio-cultural and spatial impacts of planning in large metropolitan regions, whilst enhancing connectivity; governance and institutional issues should be included.	
Funding Call (hyperlinked)	Deadline: 10 January 2018
Funding per project: Up to €8m	Type of Action: Research and Innovation
LC-MG-1-3-2018: Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility	
Scope: City-led proposals to examine the impacts of new mobility solutions, addressing the changing mobility patterns and set up of mobility services, including possible negative effects, and covering all relevant transport modes (including active modes) and vehicle types.	
Funding Call (hyperlinked)	Deadline: 10 January 2018
Funding per project: Up to €4m	Type of Action: Research and Innovation

DT-ART-04-2019: Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all

Scope: Support to accelerate the uptake of high quality and user oriented mobility services, based on shared, connected and cooperative automated vehicles. Proposals should demonstrate 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.

[Funding Call](#) (hyperlinked)

Deadline: 24 April 2019

Funding per project: Up to €30m

Type of Action: Innovation

Societal Challenge 5 - Climate action, environment, resource efficiency and raw materials



CE-SC5-03-2018: Demonstrating systemic urban development for circular and regenerative cities	
Scope: Proposals should demonstrate how cities can transition into circular cities by implementing circular innovation and stimulating regenerative practices in both urban and peri-urban areas. Urban makers, fab labs and start-ups should be actively involved to boost creativity and entrepreneurship. Consortiums must comprise at least 4 cities.	
Funding Call (hyperlinked)	Deadline: 27 February 2018
Funding per project: Up to €10m	Type of Action: Innovation
SC5-13-2018: Innovating cities for sustainability and resilience - Strengthening international cooperation on sustainable urbanisation: nature-based for restoration and rehabilitation of urban ecosystems	
Scope: Proposals should bring together European and Chinese or CELAC ¹ research partners, government agencies and urban authorities, private sector and civil society.	
Funding Call (hyperlinked)	Deadline: 27 February 2018 and 19 February 19
Funding per project: Up to €5	Type of Action: Research and Innovation

¹ Community of Latin American and Caribbean States

SC5-14-2019: Visionary and integrated solutions to improve well-being and health in cities

Scope: Proposals 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.

[Funding Call](#) (hyperlinked)

Deadline: 19 February 2019

Funding per project: Up to €10m

Type of Action: Innovation

SC5-20-2018: Transforming historic cities and cultural landscapes into hubs of entrepreneurship and social and cultural integration

Scope: Proposals should demonstrate how historic cities and cultural landscapes can be re-activated and re-vitalised through innovative entrepreneurship (e.g. cultural and creative industries, digital technologies, small scale advanced manufacturing), city-makers movements and the integration of new population groups, while respecting the historic heritage environments.

[Funding Call](#) (hyperlinked)

Deadline: 19 February 2019

Funding per project: Up to €8m

Type of Action: Innovation

Societal Challenge 6: Innovative, inclusive and reflective societies



TRANSFORMATION-03-2018-2019: Innovative solutions for inclusive and sustainable urban environments	
Scope: Support to identify the main drivers of inequalities in different urban and peri-urban contexts. Proposals should identify best practices and initiatives, including digital solutions and alternative participatory growth models, with potential for upscaling that can promote upward social mobility, social inclusion and cohesion, resilience and sustainable development.	
Funding Call (hyperlinked)	Deadline: 13 March 2018 and 14 March 2019
Funding per project: Up to €1.5m for CSA and up to €3m for Innovation Actions	Type of Action: Coordination and Support Action and Innovation Action
TRANSFORMATION-05-2018: Cities as a platform for citizen-driven innovation	
Scope: 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.	
Funding Call (hyperlinked)	Deadline: 13 March 2018
Funding per project: Up to €1m	Type of Action: Coordination and Support Action

DT-TRANSFORMATIONS-02-2018-2019-2020: Transformative impact of disruptive technologies in public services	
Scope: Proposals should pilot disruptive technology and should engage multidisciplinary partners, stakeholders and users 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.	
Funding Call (hyperlinked)	Deadline: 13 March 2018 and 14 March 2019
Funding per project: Up to €4m	Type of Action: Research and Innovation
TRANSFORMATIONS-04-2019-2020: Innovative approaches to urban and regional development through cultural tourism	
Scope: Proposals should comparatively assess how the presence, development, decline or absence of cultural tourism has affected the development of European regions and urban areas. They should investigate motives for cultural tourism and assess the effectiveness and sustainability of multilevel strategies, policies, trends and practices in attracting, managing and diversifying cultural tourism	
Funding Call (hyperlinked)	Deadline: 14 March 2019
Funding per project: Up to €3m	Type of Action: Research and Innovation
DT-GOVERNANCE-12-2019-2020: Pilot on using the European cloud infrastructure for public administrations	
Scope: 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.	
Funding Call (hyperlinked)	Deadline: 14 March 2019
Funding per project: Up to €4m	Type of Action: Innovation Action

Societal Challenge 7 - Secure societies - Protecting freedom and security of Europe and its citizens



SU-INFRA02-2019: Security for smart and safe cities, including for public spaces

Scope: Proposals 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 city.

[Funding Call](#) (hyperlinked)

Deadline: 22 August 2019

Funding per project: Up to €8m

Type of Action: Innovation Action

Key Opportunities to Support Greater Manchester Strategy

Horizon 2020 calls could support the implementation of the following GMS priorities:

Priority 3 – Good jobs, with opportunities for people to progress and develop.

Priority 4 – A thriving and productive economy in all parts of GM.

Priority 5 – World-class connectivity that keeps GM moving.

Priority 6 – Safe, decent and affordable housing.

Priority 7 – A green city-region and high-quality culture and leisure offer for all

Priority 8 – Safer and stronger communities.

Priority 9 – Health lives, with quality care available for those that need it.

Priority 10 – An age-friendly GM.



UK Participation on Horizon 2020

Following HM Treasury’s statement on 13th August 2016, the UK Government has made the following commitment:

‘UK businesses and universities should continue to bid for competitive EU funds while we remain a member of the EU and we will work with the Commission to ensure payment when funds are awarded. The Government will underwrite the payment of such awards, even when specific projects continue beyond the UK’s departure from the EU.’

'The Government's underwrite commitment guarantees awards where the application is submitted before exit and is subsequently approved after exit. This includes proposals which are informed of their success but, at the point of exit, have not signed a grant agreement, and proposals which have been submitted before exit and that are only informed of their success following exit. We will work with the Commission to ensure payment when funds are awarded'.

'The Government's underwrite commitment covers awards for proposals submitted through a two-stage application process, provided that the proposal for the first stage of the application is submitted before the UK leaves the EU and that the application is subsequently approved'.

[UK Government Q&A on Horizon 2020 participation.](#)

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