

IDENTIFIED CALL		
TOPIC	Demonstrating systemic urban development for circular and regenerative cities	
Type of Action	IA Innovation action	
Hyperlink CALL	Link	
Open call	7 th November 2017	
Deadline CALL 1st stage	27 th February 2018	
Deadline CALL 2nd stage	4 th September 2018	
Challenge	<p>Cities struggle in their transition to implement a full circular economy model incorporating regenerative practices. There is a clear need for cities to become circular in order to alter urban consumption patterns and value chains, and to stimulate innovation, business opportunities, and job creation in both established and newly created sectors. New, more flexible systemic urban planning instruments enabling the design and implementation of circular urban processes would make urban and peri-urban areas regenerative and facilitate their adaptation to emerging economic, social and environmental challenges.</p>	
Scope	<p>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). Actions should develop and implement innovative urban planning approaches and instruments (e.g. dynamic and semantic 3D real time flexible geospatial data and planning tools, innovative governance and legislation enabling new practices, design approaches, business models, etc.) to support and guide the transition towards circular and regenerative cities in terms of their built environment, public space, urban spatial use and programming. They should demonstrate innovative solutions for closing the loop of urban material and resource flows within the nexus of water, energy, food, air, ecosystem services, soil, biomass, waste/wastewater, recyclables and materials and for supporting an increase in the regenerative capacity of the city while limiting pollution of the environment, for example by reducing the emissions of air pollutants. At the same time, these solutions should ensure sound management of trade-offs and synergies among and across sectors. They should include ways of sustainably reusing and (mixed-use) reprogramming of existing buildings, open spaces and (infra) structures. The action should actively involve public authorities, societal stakeholders and community-based partners such as city-makers, urban (fab-) labs, urban planners, (urban) designers, cultural & creative organisations, and start-ups</p>	
Impact	<ul style="list-style-type: none"> • measurable reduction of materials, natural resource consumption and environmental footprint in urban and peri-urban areas; • measurable increase of the regenerative capacity of urban and peri-urban areas due to a measurable increase in material and natural resource creation in cities, as well as increased productivity through maximisation of (multi)-functional use and programming of urban spaces; • set of social behavioural, economic, environmental performance and geospatial indicators to monitor and assess the urban and peri-urban circularity and regenerative capacity; • local governance innovation in response to the needs and concerns of stakeholders and the affected public as well as boosted creativity and entrepreneurship 	
Budget call (and for project)	EUR 10 million would allow this specific challenge to be addressed appropriately.	