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# Horizon 2020 Work Programme for Research & Innovation 2018-2020

CE-SC5-03-2018: Demonstrating  
systemic urban development for  
circular and regenerative cities

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*1.3 - Sustainable Management of Natural Resources*

*DG Research and Innovation*

Research and  
Innovation





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

### Work Programme 2018-2020

#### Focus:

- ✓ moving to a **greener**, more **resource efficient** and **climate-resilient economy** in sync with the **natural environment**
- ✓ demonstrating strong commitment to support the UN's Sustainable Development Goals (SDGs) and the targets of the COP21 Paris Agreement

#### 2 multiannual calls:

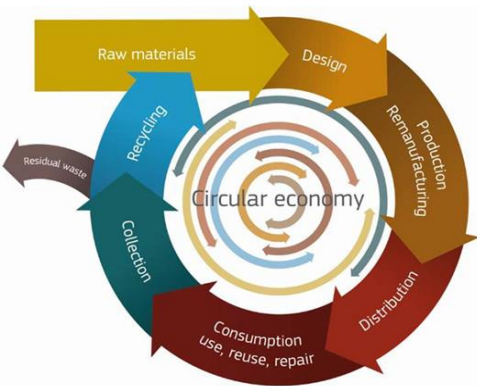


"Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"

"Greening the economy in line with the Sustainable Development Goals (SDGs)"

**Total indicative budget 2018-2020 €1.1bn**

# Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"



## Connecting economic and environmental gains - the circular economy (C.E.): Objectives

- **enhanced capacity of cities to embrace Circular Economy approaches**
- contribute to implementing the **Circular Economy Action Plan** and key high-level EU priorities, including jobs, growth and investment, climate and energy, strengthened industrial base
- support EU endeavours to implement the SDGs, particularly **SDGs 12, 6, 11 and 13**, and **Habitat III New Urban Agenda**

- **Budget in 2018**  
€219.7 million
- **2018 topics open:**  
7 November 2017
- **First call deadline:**  
27 Feb 2018

## CE-SC5-03-2018: Demonstrating systemic urban development for circular and regenerative cities (IA) (1/3)

To enable cities to design and implement **circular urban processes** and **regenerative practices - urban and peri-urban areas** including surrounding **industrial areas** and **commercial ports**;

Develop and implement:

- innovative **urban planning** approaches, practices and instruments (e.g. 3D real time geospatial data and planning tools, new design approaches, business models, innovative governance) allowing for the **design** and **implementation** of **circular** and **regenerative processes** and the sustainable **(re)using** and **(re)programming** of existing **buildings**, **open spaces** and **(infra)structures** for circular initiatives;
- Demonstrate **innovative solutions** to **close the loop** of urban **material** and **resource flows** within and **across sectors and nexuses**;
- Innovative **monitoring**, new **indicators** and **digital solutions** enabling **continuous monitoring** for processes **optimisation** and rapid **management interventions**;

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- **Multi-stakeholder** consortia, **innovative local governance structures** and **networks and interdisciplinary** practices, including SSH to stimulate **behavioural changes** and enhance **entrepreneurship**;
- **Sustainable data platforms** for **open access data** on impact of the intervention;
- Projects **must** engage in substantial **networking, training** and **mentoring** towards **cities outside the project** to disseminate experience, knowledge and deployment practices and promote **upscaling, uptaking** and **replication** of the solutions;
- Resources must be foreseen for **clustering**;
- Indicative budget per project: **EUR 10 million**

# CE-SC5-03-2018: Demonstrating systemic urban development for circular and regenerative cities (3/3)

## **Eligibility and admissibility conditions**

**At least 4 cities from different Member States and/or Associated Countries** to ensure coverage of diverse contexts across the EU

## **Grant Conditions**

Funding rate for **direct costs of construction and installation of “infrastructure-targeted”** interventions is 20% of the eligible costs



# More Information

CE-SC5-03-2018 Topic link:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ce-sc5-03-2018.html>

More information:

[www.ec.europa.eu/research](http://www.ec.europa.eu/research)

Participant Portal:

[www.ec.europa.eu/research/participants/portal/desktop/en/home.html](http://www.ec.europa.eu/research/participants/portal/desktop/en/home.html)

SC5 social media network on 'Yammer':

<http://www.tinyurl.com/greenRTD>

# Questions?

Research Enquiry Service

<http://ec.europa.eu/research/index.cfm?pg=enquiries>

"FAQ" on the Participants Portal

<http://ec.europa.eu/research/participants/portal/desktop/en/support/faq.html>

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