



# Cities as actors of Open innovation

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# EU R&I actions to Innovate Cities in Europe and the World

- The new Urban Agenda calls for international cooperation between cities in the field of Smart and Sustainable cities
- The EU is investing on H2020 demonstration multi-stakeholder projects on cities as urban living labs



## EU R&I actions to Innovate Cities in Europe and the World

- H2020 projects: budget €10-15m and consortia of 25-35 participants (cities and municipalities, SMEs, Academia, NGOs)
- Open to the World, to provide evidence on the socio-economic and environmental benefits of systemic solutions that combine technological, digital, social and nature-based innovation
- Min. 70 cities from Europe but also Global cities from e.g. China, Brazil, Ecuador, Argentina, India, US, Canada.



# EU H2020 calls to Innovate Cities in Europe and the World

- Climate and Water Resilient cities
- Urban generation
- New business and governance models
- Circular and regenerative cities
- Healthy cities

## Horizon 2020: A community of practice on NBS

<b>EKLIPSE NBS EWG</b>	CSA	SC5-09-2014	European Knowledge and Learning Mechanism to Improve the Policy-Science-Society Interface on Biodiversity and ESS
<b>INSPIRATION</b>	CSA	SC5-10b-2014	Towards a strategic research agenda on soil, land-use and land management in Europe
<b>ThinkNature</b>	CSA	SC5-10-2015	Development of a multi-stakeholder dialogue platform and Think tank to promote innovation with Nature based solutions
<b>NAIAD</b>	RIA	SC5-9-2015	Insurance Value of Nature
<b>Nature4Cities</b>	RIA	SCC-03-2015	New governance, business, financing models and economic impact assessment tools for sustainable cities with NBS
<b>Naturvation</b>		SCC-03-2015	
<b>CONNECTING GROW GREEN UNALAB Urban GreenUP</b>	IA	SCC-02-2016	Demonstrating innovative NBS in cities/ water and climate resilience
		SCC-02-2016	
		SCC-02-2016	
		SCC-02-2016	
<b>BiodivERsA3</b>	ERA-NET	SC5-09-2014	Consolidating the European Research Area on Biodiversity and Ecosystem Services

## SCC-02-2016 cities involved



- **CONNECTING:** Front runner (red), follower (light red)
- **GROWGREEN:** Front runner (green), follower (light green)
- **UNALAB:** Front runner (blue), follower (light blue)
- **URBAN GREEN UP:** Front runner (purple), follower (light purple)



# SUGI Eranet

SUGI Eranet represents a successful example of how to bring together fragmented research across the Globe

- find innovative solutions and develop nexus strategies for Food-Energy and Water challenge
- align the strategic R&I agenda on cities of the Belmont Forum and the Joint Programming Initiative - JPI Urban Europe to produce a truly international approach and solutions



# H2020 Smart & Sustainable Cities – ongoing and upcoming

- ✓ CE-SC5-03-2018: Demonstrating systemic urban development for **circular and regenerative cities**;
- ✓ SC5-14-2019: Visionary and integrated solutions to improve **well-being and health in cities**;
- ✓ SC5-20-2019: Transforming **historic urban areas** and/or cultural landscapes into hubs of entrepreneurship and social and cultural integration.





# EU SRIA Innovating Cities - Expert Group

- EC RTD is launching a High Level Expert Group to help the Commission in formulating a SRIA-Strategic Research and Innovation Agenda
- to foster a **cross-sectorial** 'urban ecosystem' framework that can help **guide investment in EU** R&I actions for cities, and address **inter-linked urban challenges** related to mobility, energy, climate change, water, waste, resource efficiency, pollution, health, well-being and social inclusion.
- help translate the political targets set out in international urban policy frameworks into challenge-based R&I solutions, liaise with JPI UE, Eranets
- 11 experts, working between June 2018-April 2019



# FP7 Policy Review reports

- ✓ **Project Review of 41 EU Funded FP7 projects** *available end of June*
- **Existing Thematic Reports:** Energy Transition, Resource Efficiency, Food and Circular Economy, Air Quality and Health, Mobility, Sustainable Land Use and NBS Solutions, Well-being and Diversity, SocialInnovation

# Innovating Cities Outreach

- ✓ Innovating Cities web page  
[\(http://www.test.ec.europa.eu/research/environment/index.cfm?pg=future\\_cities\)](http://www.test.ec.europa.eu/research/environment/index.cfm?pg=future_cities)
- ✓ Commission TOPIC PAGE  
<https://ec.europa.eu/info/events/cities>
- ✓ YEARLY MAPPING REPORT  
<https://publications.europa.eu/s/fGbs>  
executive one pager summary of this report:  
<http://europa.eu/!NU39Mx>

# R&I FP7 Urban SUCCESS Stories to be published end of June

- ✓ *Investing in European Success: Innovating Cities in Europe and worldwide (to be online by end of June)*





# International Cooperation

- ✓ EU-CELAC Task Force on sustainable urban development
- ✓ Second Brazil Dialogue: International conference 9-10 July in Brasilia
- ✓ Belmont Forum / JPI Urban Europe ERANET SUGI on Food-Water-Energy Nexus
- ✓ Cooperation with UN Habitat
- ✓ EU-China Sustainable Urbanisation

# Future Events on Innovating Cities

- ✓ FabCity Summit 2018, Paris, 11 July: "EU R&I Actions for Sustainable Urban Development"
- ✓ European Week of Cities and Regions: Cities Session " Who owns the right to the city?"
- ✓ Cultural Heritage Summit 18-19 June, Berlin on adaptive re-uses of heritage buildings;
- ✓ JPI Urban Europe future events



# HORIZON 2020

## Thank you

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**Find out more:**

[www.ec.europa/research/horizon2020](http://www.ec.europa/research/horizon2020)