



Climate Neutral and Smart Cities Mission

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Missions

R&I Missions

- Be **bold and inspirational**, with wide societal relevance;
- Indicate a **clear direction**: targeted, measurable and time-bound;
- Be **ambitious but realistic** research and innovation actions;
- Spark **innovation across disciplines**, sectors and actors;
- Be based on a **bottom-up approach** of multiple solutions
- **Engage citizens** in co-designing, co-creating, co-implementing and co-assessing missions



Adaptation to climate change, including societal transformation



Climate Neutral and Smart Cities - Issues at stake and Board



Climate Neutral and Smart Cities Issues at stake

- Cities occupy **3% of the planet's landmass** but consume over **65% of the world's energy** and account for more than **70% of the global CO₂ emission**
- 75% of the European citizens live in cities and expected to **raise to 85% by 2050**
- Paris Agreement and Agenda 2030
- European Green Deal: **Europe first climate neutral continent by 2050**, more ambitious target for 2030



Mission Board for Climate Neutral and Smart Cities



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**Katrine Krogh
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NICOLAIDES**



**Daniël
TERMONT**



**Joakim
REITER**



**Martin
RUSS**



**Anne
SULLING**



**Maria
VASSILAKOU**

Climate Neutral and Smart Cities – State of Play



Climate Neutral and Smart Cities Mission

Main Objective: Support, promote and showcase 100 European cities in their systemic transformation towards climate-neutrality by 2030



Mission objectives

- Build a multi-level, co-creative process for identifying and agreeing actions to be undertaken for achieving climate neutrality by 2030 in a city, formalised through a **Climate City Contract**;
- **Promote citizens as agents of change** through bottom-up initiatives, innovation and new forms of governance
- Support and facilitate cities access to financial means to achieve the mission goals through a wide range of EU instruments
- **systemic approach**, combining new knowledge-based solutions, use of standardized data that may enable scalable (smart) technologies, new business models and regulatory approaches, integrated governance and social innovation
- **Help delivering the SDGs** by improving air quality, creating jobs, promoting healthier lifestyles, and reducing the negative effects of mobility; ensure fair transition and geographical coverage, leaving no one behind;
- Capitalise on existing European climate initiatives and stakeholders
- Collaborate with European businesses in order to contribute to innovation and improve their global competitiveness.

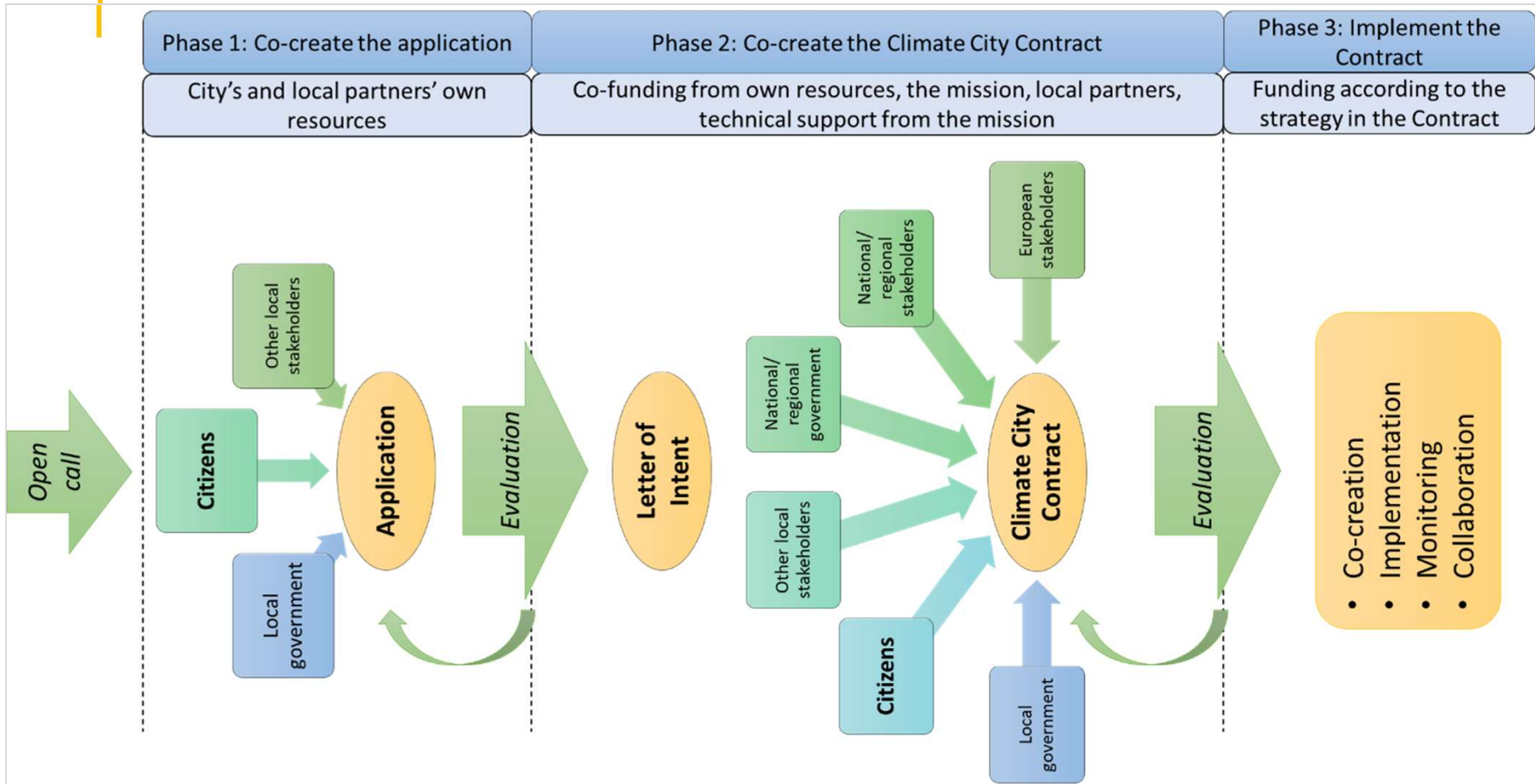


The Climate City Contract

Purpose:

- a) **express ambition & commitment of all involved parties** to the mission objectives;
- b) agree the policy and implementation gaps as a basis for a strategy for transition;
- c) coordinate stakeholders and **empower citizens** in the city around a common climate goal;
- d) **coordinate the national/regional and EU authorities** to deliver the necessary legal, governance and financial framework conditions to support each city;
- e) create a one-stop-shop for multi-level negotiations to facilitate city action for transition.

Adapted to the specific circumstances of each city, a Climate City Contract will include the goal and targets, specify the strategy and the action plan for transition, and identify stakeholders and responsibilities.





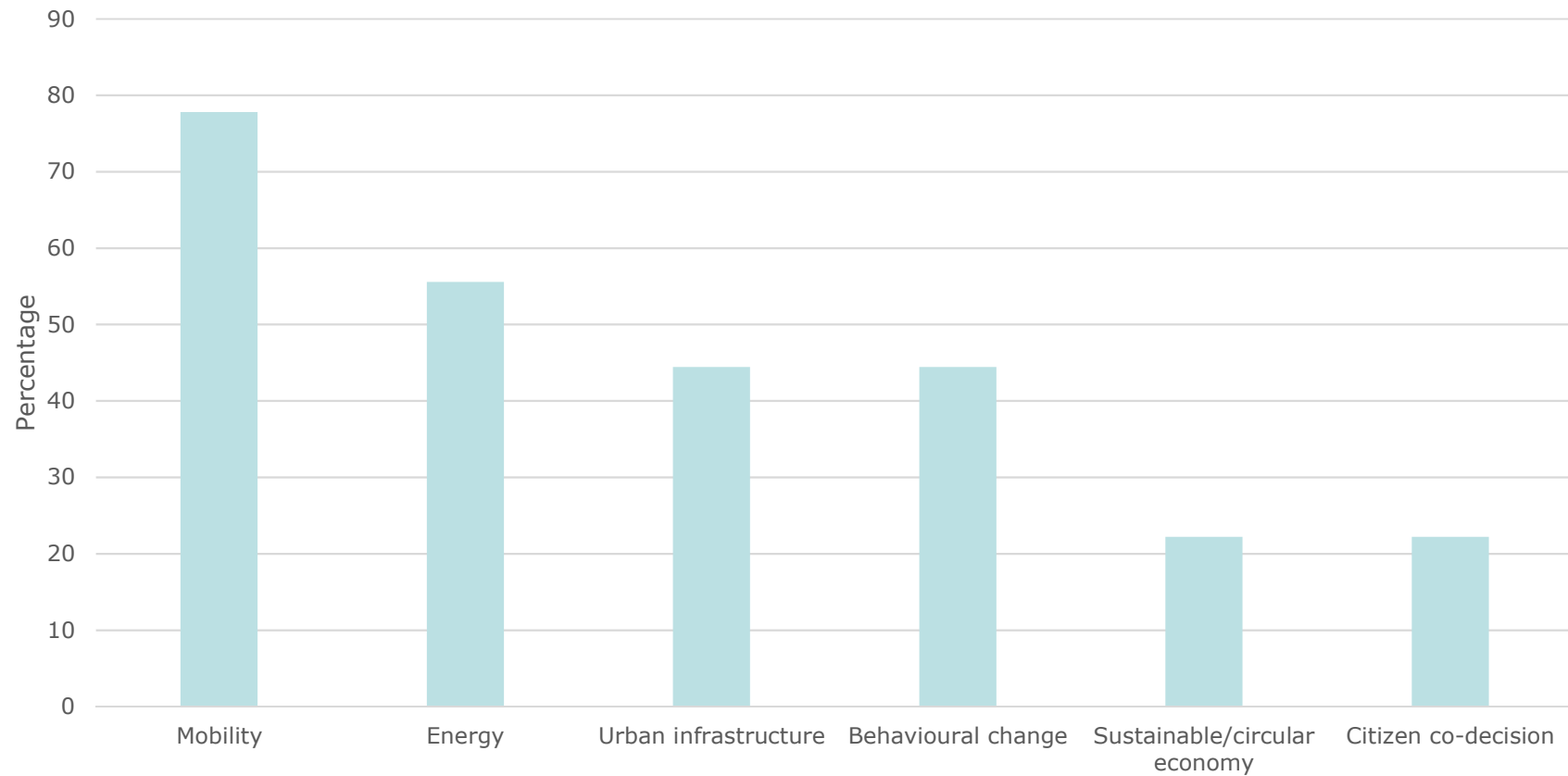
Climate Neutral and Smart Cities Outreach and Citizens' engagement

- Outreach activities by single Board Members (urban fora, conferences, ad hoc consultations/meetings)
- Targeted strategy developed for citizens engagement
- Common methodology for physical events
 - Austrian Mission Café, 21/01, Vienna, Austria
 - R&I Cities of the future, 6/02, Ljubljana, Slovenia
 - Innovation Camp, 4/03 Cluj-Napoca, Romania
- Mapping of digital tools and questions for online virtual sessions
- Virtual events:
 - Espöö, Finland (24 March 2020)
 - Iasi, Romania (5 May 2020)
 - Groningen, Netherlands (19 May 2020)
 - Lille, France (28 May 2020)
 - Eindhoven, Netherlands (11 June 2020)
 - Venice, Italy (24 June 2020)
 - European Youth Forum (July 2020)
 - Gdansk, Poland (9 Sept 2020)
 - Le Havre, France (Sept 2020)
 - Kosice, Slovakia (Sept 2020)



Climate Neutral and Smart Cities Outreach and Citizens' engagement

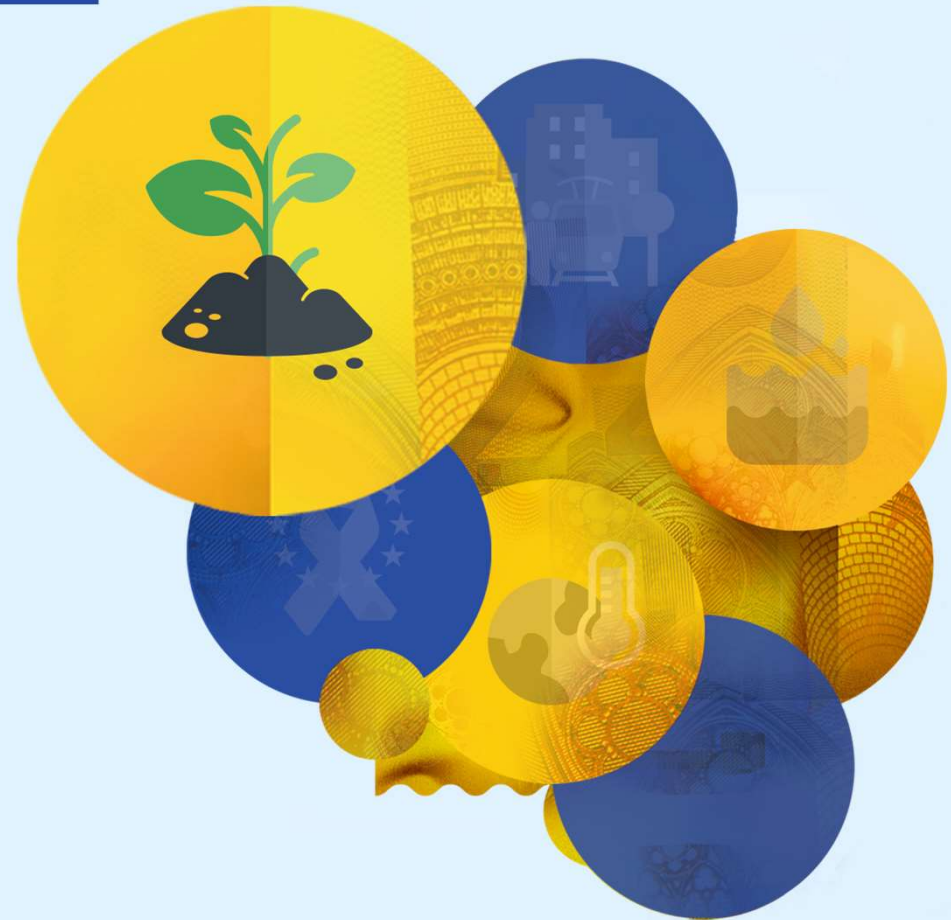
Citizen Engagement Results: Priorities



Horizon Europe Missions

- NEXT STEPS

#HorizonEU



Missions Roll-out

- Meetings of Mission Boards (incl. three meetings of the Mission Board Chairs) – **from Sept 2019**
- Continuing interactions with SPC and missions sub-groups – **from Sept 2019**
- Engaging with stakeholders and citizens – **from Oct 2019**
- Mission Boards reports (outlining proposed missions) – **25 June 2020**
- Refining the proposed missions, co-design sessions with citizens – **May to Sept 2020**
- Missions events at R&I Days (incl. missions hub) **22-24 Sept** + handover of Mission Boards advice on missions to the Commission

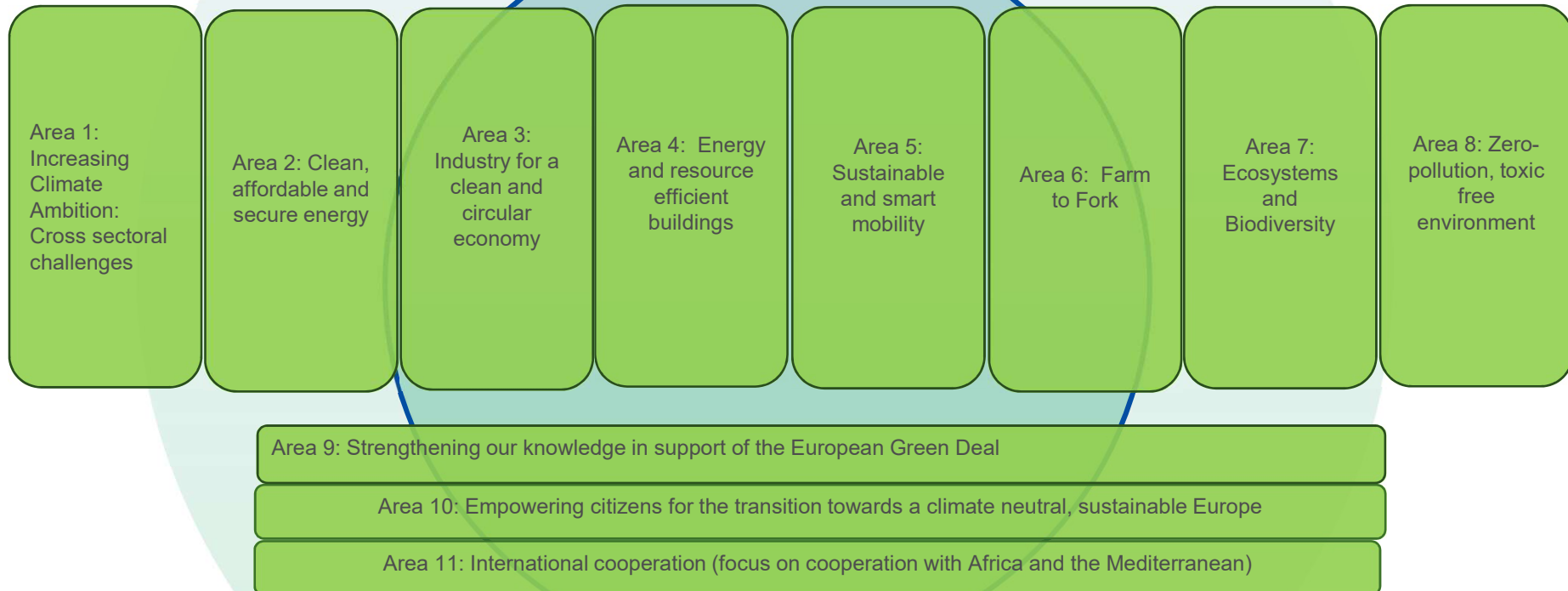
[Adoption of the Strategic Plan incl. missions – end 2020]

- Commission Communication on missions –end 2020
- Further refinement of Mission Board reports (new deliverable) by end 2020)

European Green Deal call

The European Green Deal Call

MAIN PART OF THE CALL FOCUSING ON INNOVATIVE SOLUTIONS AND DEMONSTRATIONS
Total budget up to 1bn – division between areas not yet established



The European Green Deal Call



Towards climate-neutral and socially innovative cities

Green Deal objective:

- Europe to become the first climate neutral continent by 2050: Cities will play a crucial role in reaching the targets of the Green Deal

Targeted Impacts

- Climate neutrality by 2030 of the participating cities (and districts)
- Empower cities and local communities through social innovation to cross social tipping points and make the Green Deal happen
- Mobilise the demand (citizens' needs) to lead the transition to climate neutrality

The European Green Deal Call



Towards climate-neutral and socially innovative cities

SCOPE:

Establish a one-stop shop platform to help cities develop and implement their climate action plans and related social innovation action plans:

- Providing technical, regulatory, financial & socio-economic expertise and assistance to cities
- Managing calls to support development of large scales pilots
- Building on existing initiatives and programmes

The European Green Deal Call



Towards climate-neutral and socially innovative cities

Proposed activities

Activity 1: Climate action plans and Green Deal innovation:

- Develop science-based indicators for assessing cities' climate neutral action plans
- Identify regulatory, institutional, governance, financing, public acceptance, and other barriers preventing progress towards climate neutrality
- Develop the concept for a Climate City Contract
- Share experience and good practices between cities

Activity 2: Investment project preparation and finance

- Provide information and consulting to cities on preparing and financing investment projects for transition to climate neutrality

The European Green Deal Call



Towards climate-neutral and socially innovative cities

Activity 3: Social innovation and citizens' engagement

- Combine existing results of EU R&I with social innovation, and take advantage of the digital transformation to co-create and test solutions with local communities, including changes in social practices and behaviour
- Provide support to cities for reinforcing not only communication but also citizens engagement activities

Activity 4: Research and Innovation for climate-neutral transformation of cities

- Support large scale pilots for deployment of systemic solutions combining technological, social, cultural, regulatory and/or financial aspects
- Facilitate upscaling and replicability of the solutions identified in pilots

Indicative budget: EUR 53 million

Research and Innovation Action (RIA)

The European Green Deal Call



Towards climate-neutral and socially innovative cities

General remarks :

- A systematic integrated approach to achieve climate neutral cities is proposed, contrary to classic sectorial approaches
- Stocktaking of existing initiatives, platforms, methodologies, analysis and processes (at national and EU level) is at the basis of the topic
- Primary focus of the topic is on climate neutrality and mitigation. Climate adaptation or resilience are not targeted
- Wider interpretation of “cities”: including city district, a municipality or a urban area (administered or governed by council or government units). But rural areas are not targeted
- Synergies and synchronization with the “Climate-neutral and smart cities”



Thank you!

HorizonEU #EUmissions

<http://ec.europa.eu/horizon-europe>

<https://www.youtube.com/watch?v=HoqZ7QeEIHU>