



EUROPEAN UNION



EU MISSIONS

CLIMATE-NEUTRAL & SMART CITIES

Concrete solutions for our greatest challenges



#EUmissions #HorizonEU #MissionCities



Agenda

Calls of the Mission for Climate-Neutral and Smart Cities

- | | |
|---------------|--|
| 9:30 – 9:35 | Welcome |
| 9:35 – 9:40 | Update on the Implementation of the Cities Mission |
| 9:40 – 9:50 | HORIZON-MISS-2025-04-CIT-01: Coupling circularity and climate mitigation in industrial sites and their cities and regions |
| 9:50 – 10:00 | HORIZON-MISS-2025-04-CIT-02: Innovative, AI-based solutions for urban planning and management |
| 10:00 – 10:10 | HORIZON-MISS-2025-06-CIT-CANCER-01: Increasing walking and cycling: to reap health benefits, emission reductions and integrate active mobility and micro-mobility devices, with smart technologies and infrastructure |
| 10:10 – 10:20 | HORIZON-MISS-2026-04-PCP-CIT-01: Boosting the transformation towards climate-neutral cities, the net-zero economy and open strategic autonomy through Pre-Commercial Procurement (PCP) |
| 10:20 – 10:30 | Other Actions |
| 10:30 – 11:15 | Q&A on slido.com: #EUMISSIONSINFODAYS |



Any questions?

To ask a question, please use **Sli.do**:

- insert #EUMISSIONSINFODAYS to join the event, and
- then select the 'room' of '*100 Climate-Neutral and Smart Cities*'
- or you can also simply scan the QR Code and select the appropriate room.
- **When you ask a question, label it with topic number.**
- **Upvote** the most interesting questions (please avoid repeating them).



#EUMISSIONSINFODAYS



Agenda

9:35 – 9:40

Update on the Implementation of the Cities Mission



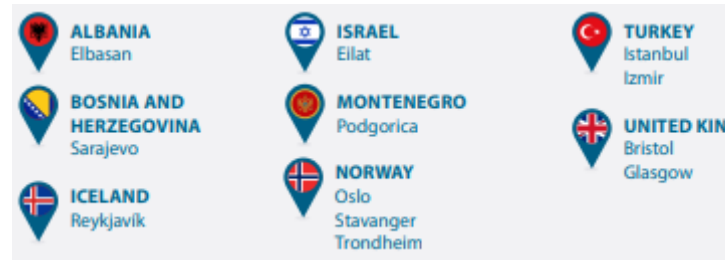
Objectives

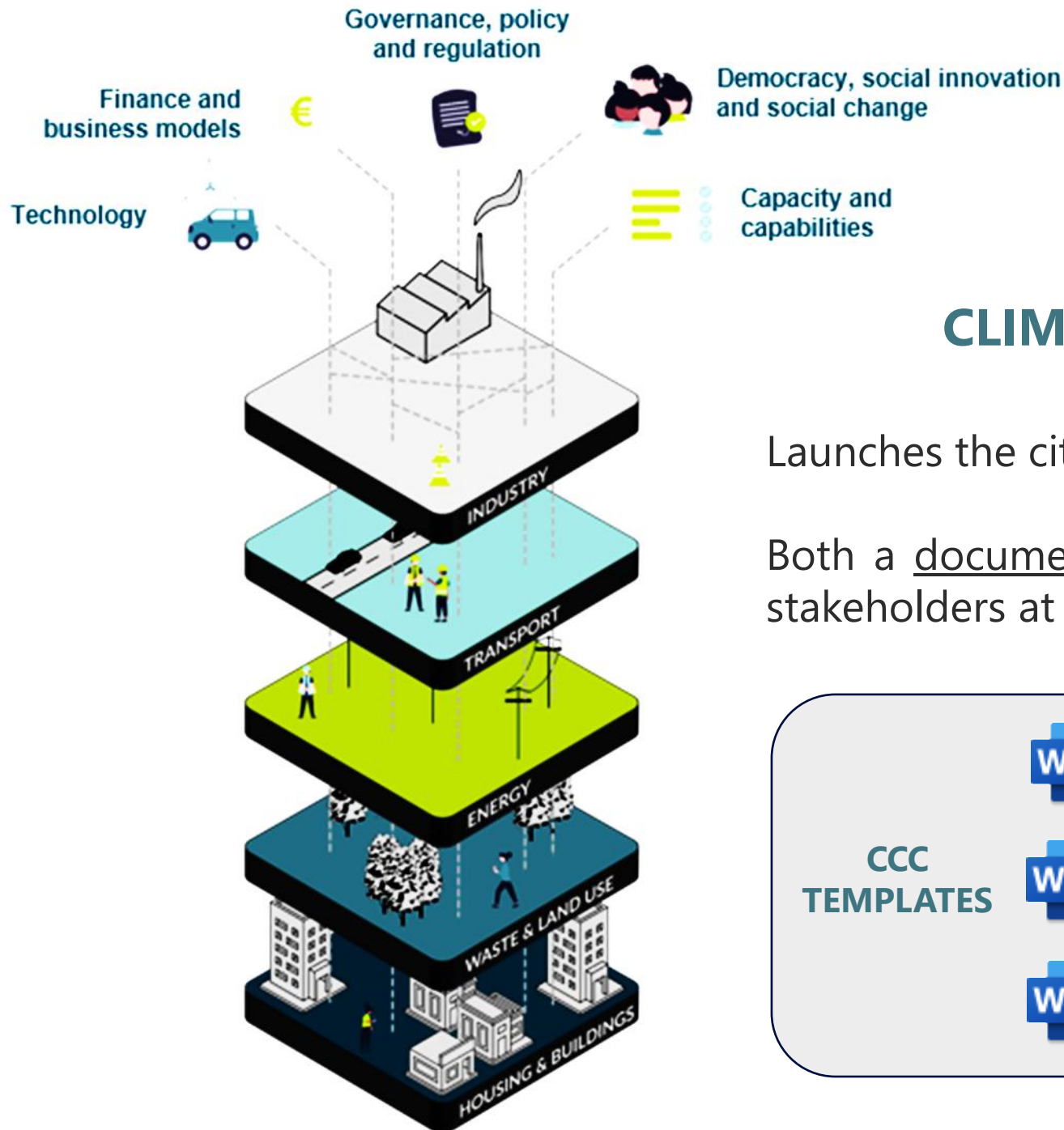
- Deliver at least **100 climate-neutral and smart European cities** by 2030;
- Ensure that these cities act **as experimentation and innovation hubs** to put all European cities in a position to become climate-neutral by 2050.

EU27



Associated countries





CLIMATE CITY CONTRACT (CCC)

Launches the city's journey to become climate-neutral by 2030

Both a document and a process for iterative co-creation with stakeholders at various governance levels and local ecosystem

CCC
TEMPLATES



Commitments



Action
Plan



Investment
Plan

Read the CCC
of the 'labelled' cities



[HERE](#)



EUROPEAN UNION



92 Mission Labels awarded so far

European Week of Regions and Cities, 12 October 2023

European Research & Innovation Days, 21 March 2024

European Mayors Summit, 22 October 2024

Cities Mission Annual Conference, 7 May 2025





Activities of the Mission Platform (NetZeroCities)

- Hands-on **support**
- **Pilot and twinning** programme
- **Portal** with more than 4000 users (knowledge repository, barometer, 170 groups)
- **Monitoring and reporting** tools and support
- **Seasonal schools**
- **Climate City Capital Hub**



Overview on national Cities Mission platforms

Austria – National Climate-Neutral Cities Mission

Cyprus – Mission Cities Network Cyprus

Finland – National Cities Mission Network

France – French Mirror Group

Germany – National Cities Mission Platform

Greece – Network of Municipalities for Climate Neutrality (Climanet)

Italy – Expert Working Group, National Ambassadors Network

Netherlands – Dutch National Support Structure (NSS)

Poland - National Platform for Polish Mission Cities

Portugal - Policy Hub for the Cities Mission

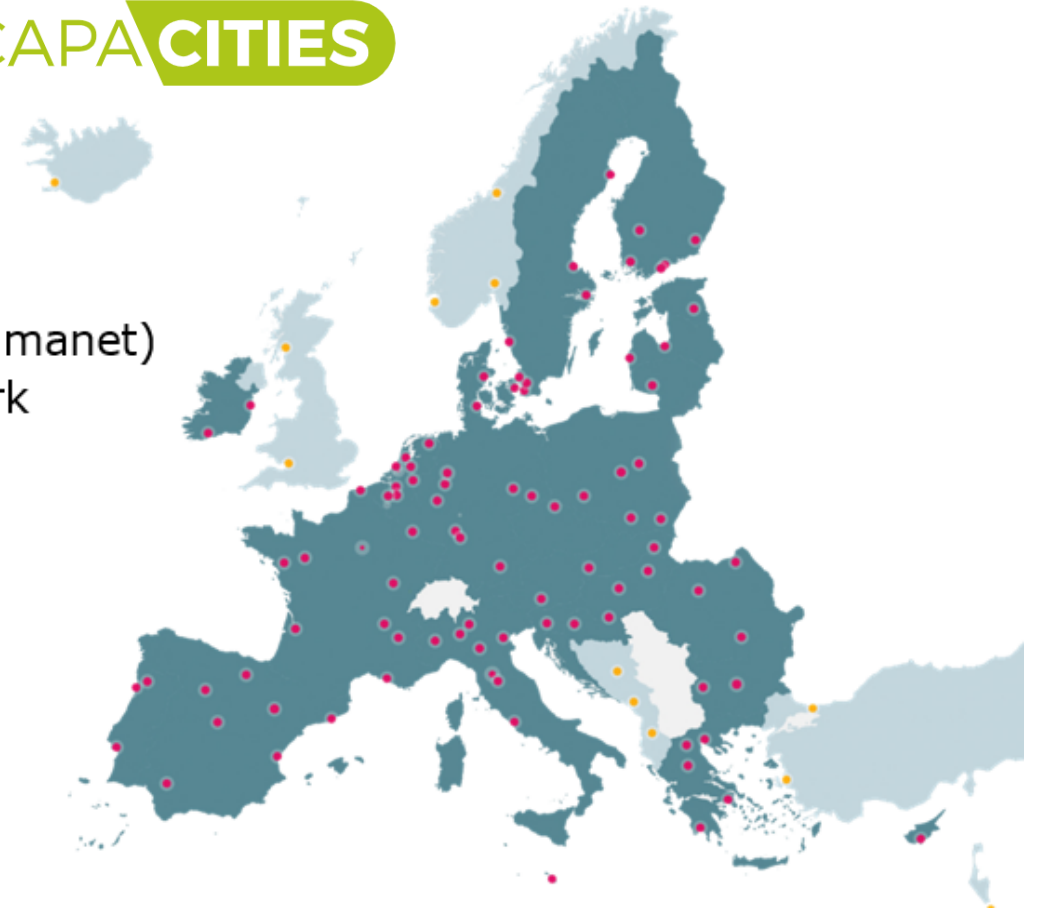
Romania - Mirror Mission Cities Hub (M100)

Spain – citiES2030

Sweden – Viable Cities - Climate-neutral Cities 2030

Strong engagement formats in Czech Republic and Türkiye

CAPACITIES



2025	Budget in EUR M	Funding scheme	Expected contribution per project EUR M	Expected # projects
Joint topic with Circular Cities and Regions Initiative (Cluster 6) - HORIZON-MISS-2025-04-CIT-01 : Coupling circularity and climate mitigation in industrial sites and their cities and regions	17.00	IA	8.50	2
Joint topic with Cluster 4 - HORIZON-MISS-2025-04-CIT-02 : Innovative, AI-based solutions for urban planning and management	24.00	IA	6.00	4
Joint call with Cancer Mission - HORIZON-MISS-2025-06-CIT-CANCER-01 : Increasing walking and cycling: to reap health benefits, emission reductions and integrate active mobility and micro-mobility devices, with smart technologies and infrastructure	12.00	IA	6.00	2
HORIZON-MISS-2026-04-PCP-CIT-01 : Boosting the transformation towards climate-neutral cities, the net-zero economy and open strategic autonomy through Pre-Commercial Procurement (PCP)	37.00	PCP	7.00 – 12.00	4
In Cluster 5, Destination 5 under the transport-related health and environment part: Joint topic with Zero Emission Waterborne Transport (ZEWT) Partnership & Health and Environment in part of WP Cluster 5 - HORIZON-CL5-2026-01-D5-17 : Real time monitoring of regulated and non-regulated emissions from all types of vessels and other port activities in order to enforce emission limits in waterfront cities	16.00	IA	8.00	2
Other actions 1. Specific Grant Agreement to the FPA to reinforce the operations of the Climate-Neutral and Smart Cities Mission Platform 2. Financial advisory services and technical assistance to Mission cities (EIB)	30.64			
	18.65			





Agenda

9:40 – 9:50

HORIZON-MISS-2025-04-CIT-01: Coupling circularity and climate mitigation in industrial sites and their cities and regions

- Joint topic with Circular Cities and Regions Initiative (Cluster 6)



HORIZON-MISS-2025-04-CIT-01: Coupling circularity and climate mitigation in industrial sites and their cities and regions

Type of action: Innovation Actions

Expected EU contribution per project: EUR 8.50 mil

Indicative topic budget: EUR 17 mil

Deadline: 04 Sep 2025

Specific conditions

Eligibility conditions

- Activities must be deployed in at least three different ‘demonstration sites’ and at least three different ‘replication sites’. Each of the demonstration and replication sites must be located in different Member States or Associated Countries.
- Related to each demonstration and replication site, beneficiaries must include the cities that host or are in the proximity of these sites, including at least one of the 112 cities selected for the EU Mission on Climate-Neutral and Smart Cities. In addition, beneficiaries must also comprise at least another CCRI city, region or territorial cluster.

Legal and financial set-up of the Grant Agreements

- Cooperation with the Cities Mission Platform, formalised via a Memorandum of Understanding
- Cooperation with the Circular Cities and Regions Initiative (CCRI), linking with the CCRI Coordination and Support Office



HORIZON-MISS-2025-04-CIT-01: Coupling circularity and climate mitigation in industrial sites and their cities and regions

Expected Outcome

- Significant advances in climate mitigation and resource circularity, with associated reduction in pollution and waste, in industrial ecosystems at urban and peri-urban scale
- Increased local and regional competitiveness and strengthened capacity for innovation of EU industries.
- Long-term change towards sustainable, flexible and responsive local and regional industrial ecosystems that connect key circular economy and climate mitigation stakeholders throughout planning, interventions and value chains.

Relevant indicators and metrics for the 2030 horizon, with baseline values, should be clearly stated in the proposal.



HORIZON-MISS-2025-04-CIT-01: Coupling circularity and climate mitigation in industrial sites and their cities and regions

Scope

- Address gaps in terms of action plans, practice and governance at local level where the coupling of mitigation and circularity could yield significant ecological, economic and societal benefits
- Set up and deploy innovative governance and business models as well as joint actions on climate mitigation and circularity in the three demonstration sites
- Assess and quantify the climate and other benefits of coupling circularity and climate mitigation, also considering constraints and trade-offs
- Define for each demonstration and replication site a systemic, multi-sectoral and multi-stakeholder approach
- Based on the lessons learned, deliver guidelines and recommended approaches (including innovative methods) to integrate circularity in the cities' mitigation strategies and vice versa
- Implement activities to develop and secure long-term support from the national and regional public authorities as well as to explore funding & finance follow-up



Agenda

9:50 – 10:00

HORIZON-MISS-2025-04-CIT-02: **Innovative, AI-based solutions for urban planning and management**

- Joint topic with Cluster 4



HORIZON-MISS-2025-04-CIT-02: Innovative, AI-based solutions for urban planning and management

Type of action: IA	Expected EU contribution per project: EUR 6.00 M
Indicative topic budget: : EUR 24 M	Deadline: 04 Sep 2025

Specific conditions

- **At least three cities**, should be included each from a different Member State or Associated Country, and at least one of the three cities **must be one of the 112 cities selected for the EU Mission on Climate-neutral and Smart Cities**.
- If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, **beneficiaries must make use of Copernicus and/or Galileo/EGNOS** (other data and services may additionally be used).



HORIZON-MISS-2025-04-CIT-02: Innovative, AI-based solutions for urban planning and management

Expected Outcome

- **Guidelines and recommendations** on the integration of AI-based applications and tools, of Digital Twins, in urban planning and management and evidence of relevant skills, contributing to local strategic visions and decision-making, investing in energy-efficient, and climate-neutral solutions towards a climate-neutral city.
- Digital Twin models that use Artificial Intelligence (including generative AI), and are **tested, calibrated, and implemented** in each city participating in the proposal.
- **Available software in relevant platforms and peer learning for potential replication** in other cities and delivery of plans for the exploitation of the project result(s) through relevant Smart Cities networks, including a market analysis for replicability and scalability of solutions.
- **Creation of multidisciplinary communities**, bringing together IT developers, urban planners, designers, local authorities, and other relevant actors, to be applied in infrastructure planning, including nature-based solutions, urban logistics, network and traffic management, climate neutrality, safe and inclusive streets, health and wellbeing urban space, etc.



HORIZON-MISS-2025-04-CIT-02: Innovative, AI-based solutions for urban planning and management

Scope

- Use and integrate AI-based applications and tools, particularly of **Digital Twins, in urban planning** and management, relying on a **comprehensive state-of-the-art** of existing AI applications and tools for urban planning and management and evidence of relevant skills for the development of Digital Twins.
- Support **decision-making and policies** and investment for sustainable, energy-efficient, and climate-neutral measures and solutions through visualization, prediction, diagnosis, assessment and prevention.
- Provide different **scenarios** for achieving climate-neutrality and to **simulate the impacts** when prioritizing the implementation of specific policies, measures.
- Evaluate potential use cases, and the **potential of replication** of developed Digital Twins, in other cities.
- **Real-time monitoring and response, to support city authorities**, operators, service providers and citizens and strengthen city's resilience and its response mechanisms.



Agenda

10:00 – 10:10

HORIZON-MISS-2025-06-CIT-CANCER-01: Increasing walking and cycling: to reap health benefits, emission reductions and integrate active mobility and micro-mobility devices, with smart technologies and infrastructure

- Joint call with Cancer Mission



HORIZON-MISS-2025-06-CIT-CANCER-01: Increasing walking and cycling: to reap health benefits, emission reductions and integrate active mobility and micro-mobility devices, with smart technologies and infrastructure

Type of action: IA

Expected EU contribution per project: EUR 6.00 M

Indicative topic budget: EUR 12 M

Deadline: 04 Sep 2025

Specific conditions

- At least 5 lead cities and 5 follower cities must participate as beneficiaries, each established in a different Member State or Associated Country.
- At least half of the lead and follower city beneficiaries must be Mission cities
- Technology readiness level 7-8 by end of the project
- Eligible costs will take the form of a lump sum
- Collaboration with Cities Mission Platform



HORIZON-MISS-2025-06-CIT-CANCER-01: Increasing walking and cycling: to reap health benefits, emission reductions and integrate active mobility and micro-mobility devices, with smart technologies and infrastructure

Expected Outcome

- Cities advance in achieving their climate neutrality targets and **reducing greenhouse gas emissions from transport by at least 15%**, by promoting and implementing walking and cycling and by incorporating walking, cycling and micro-mobility infrastructure and services
- **Increased modal share** of walking and cycling in follower cities, in particular increased number of daily trips on foot and by bike, **by at least 30%**
- Increased **integration of (e)bikes and -e-scooters** (and other “intelligent” micromobility vehicles) through the **digital and green road infrastructure** by extending the work on Cooperative Intelligent Transport Systems (C-ITS)
- Feedback to EU research, health and transport policy, a comprehensive EU **guidance** on increasing (1) walking, (2) cycling, and (3) micro-mobility in cities



HORIZON-MISS-2025-06-CIT-CANCER-01: Increasing walking and cycling: to reap health benefits, emission reductions and integrate active mobility and micro-mobility devices, with smart technologies and infrastructure

Scope

- Improve the quality, safety, quantity, accessibility, continuity and attractiveness of walking and cycling **infrastructure** (updated state of the art and uptake of active mobility policies/programs/projects and their socio-economic, environmental and health benefits; infrastructure network plans fostering multimodality; case studies and best practices on active mobility infrastructure);
- improve **integration** and **modal share** of active mobility (case study, comparative analysis across 10 EU cities, demonstrating innovative solutions in living labs, test behavioural change, exchange of knowledge, support development of active mobility policies)
- use **smart technologies** and integration in traffic management systems/traffic light management at local/regional/national level, including in the new “smart” infrastructure (explore conditions and infrastructure requirements, use cases to extend vehicles technology to cycling/micromobility, wider uptake of smart technologies)
- **coordination/exchange/capacity building** for increasing the uptake of active mobility



Agenda

10:10 – 10:20

HORIZON-MISS-2026-04-PCP-CIT-01: Boosting the transformation towards climateneutral cities, the net-zero economy and open strategic autonomy through PreCommercial Procurement (PCP)







Pre-Commercial Procurement (PCP) — Strategic Tool for Net-Zero Transition

- **PCP = Public procurement of R&D services** for solutions **not yet on the market**
- **Phased, competitive process:**
 - Solution design
 - Prototype development
 - Testing in real conditions
- **No direct purchase** of the end product — enables market shaping, not market capture
- **Public authority defines the problem**, market develops the solutions
- **Supports EU goals:** climate neutrality, open strategic autonomy, innovation sovereignty



PCP for the Cities Mission — Potential Applications

Urban Challenge

-  Zero-emission building retrofits
-  Urban logistics decarbonisation
-  Smart energy districts
-  Emissions and mobility planning

How PCP Helps

- Modular, low-disruption retrofit kits prototyped
- Development of silent, shared, low-emission systems
- AI-based tools for local energy management
- Urban digital twins for predictive decision-making



HORIZON-MISS-2026-04-PCP-CIT-01: Boosting the transformation towards climate-neutral cities, the net-zero economy and open strategic autonomy through Pre-Commercial Procurement (PCP)

Type of action: PCP

Expected EU contribution per project: EUR 7 – 12 M

Indicative topic budget: EUR 37 M

Deadline: 20 Jan 2026

PCP – Key Requirements for Cities Mission Projects

- Follow Horizon Europe PCP rules (see General Annexes)
- Sign MoU with the Cities Mission Platform
- Involve ≥ 3 Cities Mission cities, with the lead procurer from the 112 selected cities
- Cities Mission Platform supports preparation, scaling, and replication of solutions



HORIZON-MISS-2026-04-PCP-CIT-01: Boosting the transformation towards climate-neutral cities, the net-zero economy and open strategic autonomy through Pre-Commercial Procurement (PCP)

Expected Outcome

- **Create demand for climate-friendly innovation:** Cities challenge the market to develop solutions that reduce greenhouse gas emissions.
- **Test and adopt new technologies:** Cities use PCP to co-develop and implement green solutions in real urban settings.
- **Support EU innovators:** PCP opens the public market to startups and SMEs, helping them grow and scale their solutions.
- **Boost market uptake:** Publishing results and aligning with standards helps new solutions spread across regions and sectors.
- De-risks public investment in **climate and digital transitions**



HORIZON-MISS-2026-04-PCP-CIT-01: Boosting the transformation towards climate-neutral cities, the net-zero economy and open strategic autonomy through Pre-Commercial Procurement (PCP)

Scope and Implementation

- **Demand-driven innovation:** Cities team up to launch joint PCPs for shared climate challenges.
- **Funding** goes to public buyers — **suppliers compete via open tenders.**
- Requires **market consultation** and **broad EU-level promotion.**
- Includes **dialogue with end users** (e.g. city teams, citizens).
- Public buyers should plan for **deployment and policy alignment.**



Agenda

10:20 – 10:30

Other Actions



Mission Platform/Specific Grant Agreement 3 (SGA3)

Continuation of SGA1 (WP2021-22) and SGA2 (WP2023-24), within the Framework Partnership Agreement (FPA) awarded under HORIZON-MISS2021-CIT-02-03

Expected Impact:

1. support for **implementation of the Climate City Contracts (CCCs)** of cities selected to participate in the Mission;
2. basic services for **cities falling under the second objective of the Mission** committed to the 2030 climate-neutrality target.

Financial advisory services and technical assistance to Mission cities (EIB)

Support the provision of financial advisory services and technical assistance to the 112 cities selected as part of the Climate-neutral and smart cities Mission through a top-up of existing activities and advisory structures such as the European Local Energy Assistance (ELENA). Mission cities will receive targeted support including e.g. technical studies, energy audits, business plans and financial advisory, legal advice, tendering procedure preparation, project bundling, project management.



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#EUMISSIONSINFODAYS



EU Missions Brokerage Event 2025

- Organised by [NCP4Missions](#), international Network of NCPs for Horizon Europe Missions
- **26-27 May 2025** (online)
- **Plenary session** with practical information to successfully navigate the 2025 Horizon Europe Missions calls
- **Online bilateral** meetings to present expertise, project ideas, and explore collaboration opportunities.
- A **long-term matchmaking** phase will follow the event and remain active **until the closure of the 2025 calls**
- More information available on the official event webpage: [link](#).





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Thank you!

For any further question visit the **EU Funding & Tenders Portal** to:

Check the [FAQ](#)

Contact the [Research Enquiry Service \(RES\)](#)

Contact your [National Contact Points \(NCPs\)](#)

For further information on the Cities Mission visit: [Climate-neutral and smart cities website](#)

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