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Misiones Horizonte Europa: “Mission on Cities”

Jornada CONAMA , 22.11.2022



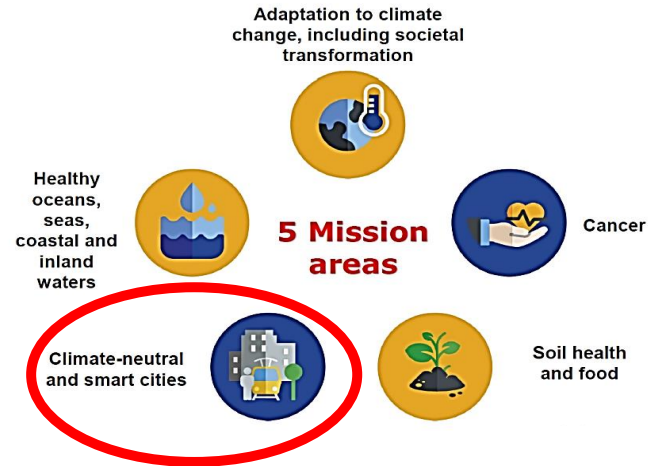
Luisa Revilla
Dirección de Programas Europeos y Cooperación Territorial, CDTI
Energía.  @HE_Energia_CDTI

Misiones en Horizonte Europa

- ***Cartera de acciones transdisciplinares,***
- ***de plazo determinado,***
- ***con meta audaz e inspiradora y de éxito cuantificable,***
- ***que tiene un impacto en la sociedad y la ciudadanía.***

Programa orientado a soluciones – Acercar la I+D+i a los ciudadanos

Cinco áreas de misiones



<https://ec.europa.eu/info/horizon-europe/missions-horizoneurope/climate-neutral-and-smart-cities>

Why a MISSION on Climate-neutral Cities?

- **75% of EU citizens live in cities** (projected to increase to about 85% in 2050).
- More than **65% of energy consumption** and more than **70% of CO2 emissions** worldwide
- Air and noise pollution; congestion; dangerous roads increasing problems in cities – not just GHG.
- The European Green Deal at local level – where policy meets people. **Cities** will play a **crucial role in reaching the targets of the Green Deal**

Objectives of the Cities Mission

- 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

29.09.2021: Official launch of the EU Mission on **Climate Neutral and Smart Cities** and publication of the mission implementation plan
[Implementation Plan - master copy 19 05 \(europa.eu\)](#)

377 cities applied to the Call for EoI. **100 cities selected** de los 27 Estados Miembros + **12** ciudades de Países Asociados [Commission announces 100 cities participating in EU Mission \(europa.eu\)](#)
Ciudades españolas seleccionadas: Madrid, Barcelona, Valencia, Sevilla, Vitoria, Valladolid y Zaragoza.
Selection of **experts for the second phase of the MISSION BOARD** – Pending of publications

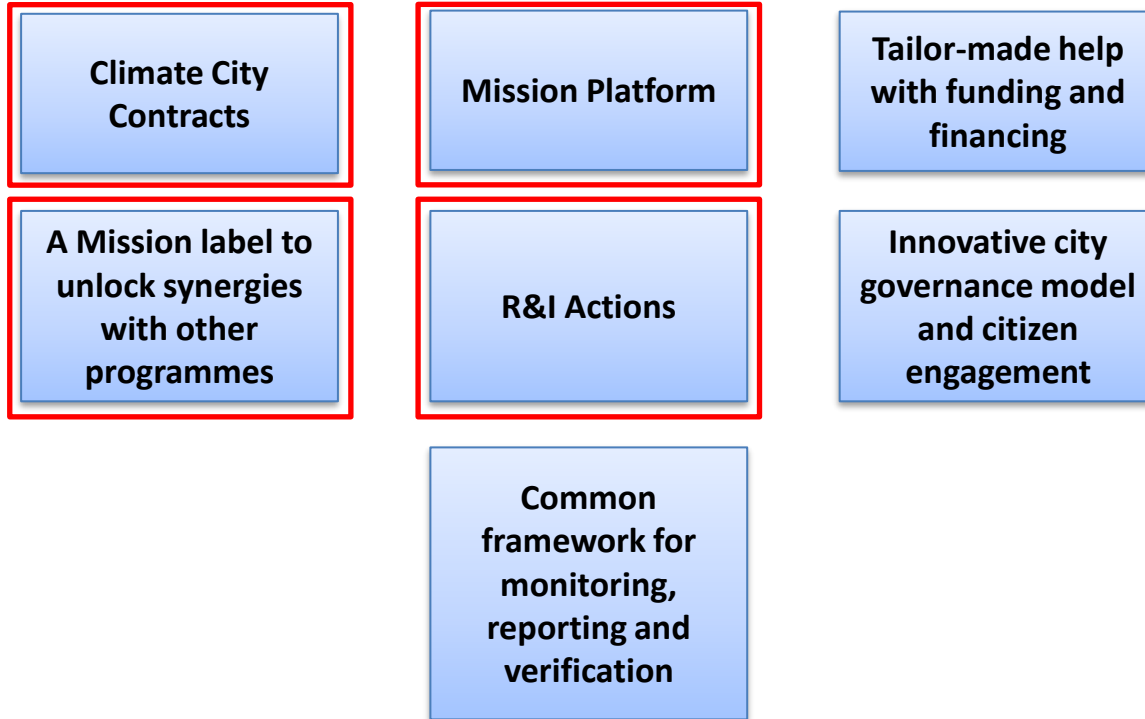


EUROPEAN UNION

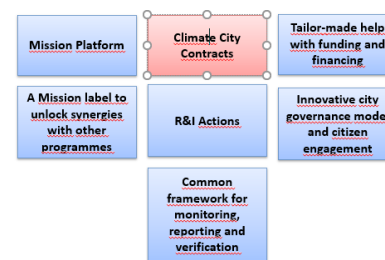
A WARM WELCOME TO ALL MISSION CITIES FROM THE WHOLE MISSION TEAM!



Main elements of the Cities Mission

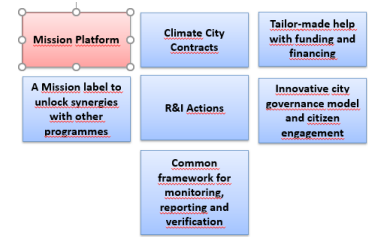


Climate City Contract



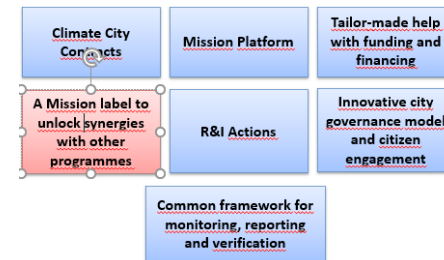
- ✓ Non legally binding – **Memorandum of Understanding**
- ✓ **Tailor-made plans** on how to reach climate neutrality, adapted to the individual needs of the city, supported by the Mission Platform
- ✓ **Visible political commitment** to the EC, national and regional authorities and to citizens
- ✓ To be **co-created** with the involvement of national authorities, regions and local stakeholders, including citizens and local economic actors
- ✓ Focus on innovative (“holistic”) city governance, investment plan, and monitoring and reporting
- ✓ **Signed by the Mayor (or equivalent)**, witnessed by the Commission and others

Mission Platform (www.netzerocities.eu)



- ✓ Run by the **NetZeroCities** consortium who start work **1.10.2021**. **Funded under Horizon 2020**. Develop a one-stop shop platform to help cities implement their climate action plans and related social innovation action plans providing the necessary technical, regulatory, financial and socio-economic expertise and assistance.
- ✓ Co-creation of **Climate City Contracts** with citizens, stakeholders and authorities
- ✓ Tailor-made **investment plans**, project preparation and financial advice
- ✓ **R&I pilots and demonstrators**: launch calls for proposals for large scale pilots in lead cities that will twin with and mentor other cities – **32 M.€**. Call closed 17 nov 2022. <https://netzerocities.eu/call-for-pilot-cities/>

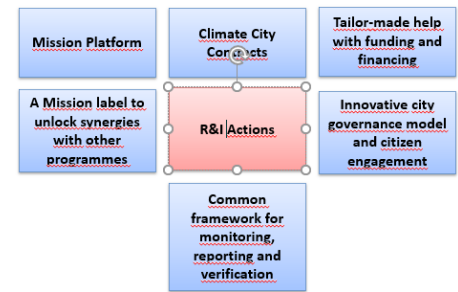
A Mission LABEL



- ✓ A LABEL will be awarded to the selected cities that have signed a CCC
- ✓ It will facilitate access to EU funding programmes
- ✓ It will offer an **opportunity for regions and Member States** to support highly visible activities on climate neutrality.

R&I Content

- ✓ Portfolio of **R&I activities** targeting cities and communities launched in the Horizon Europe Work Programme for Missions
- ✓ Goals: **develop capacity and showcase** possibilities of scale-up and replicability
- ✓ **Complementarity and synergy** with ongoing and upcoming initiatives e.g. partnerships



Horizon Europe will **invest around €350 million** in research and innovation actions linked to the **Cities Mission** (e.g. in mobility, energy, urban planning) in the period **2021-23**.

A first full work programme was published on **15 December 2021** [Updated WP 10 May 2022](#) : **159 M.€**

A second work programme will be published at the end of November 2022

HE – WP for Cities Mission – Call 2021-2022

CLOSED

Topics	Type of Action	Budget M.€	EU Contribution per topic M.€	No projects funded
Opening: 11 Jan 2022 Deadline(s): 26 Apr 2022				
HORIZON-MISS-2021-CIT-02-01: Urban planning and design for just, sustainable, resilient and climate-neutral cities by 2030	IA	35	11.00 to 12.00	3
HORIZON-MISS-2021-CIT-02-02: Unleashing the innovation potential of public transport as backbone of urban mobility	IA	40	12.00 to 20.00	3
HORIZON-MISS-2021-CIT-02-03: Framework Partnership Agreement (FPA) for the Climate-Neutral and Smart Cities Mission Platform	FPA	0		1
HORIZON-MISS-2021-CIT-02-04: Positive Clean Energy Districts	IA	40	15.00 to 20.00	2
HORIZON-MISS-2021-CIT-02-05: Global cooperation and exchange on urban climate neutrality	CSA	2	2.00	1
Opening: 28 Apr 2022 Deadline(s): 06 Sep 2022				
HORIZON-MISS-2022-CIT-01-01: Designing inclusive, safe, affordable and sustainable urban mobility	IA	42	8.00 to 12.00	4

HE - WP for Cities Mission – Call 2023 **BORRADOR**

Topics	Type of Action	Budget M.€
Deadline: 27 Abril 2023		
HORIZON-MISS-2023-CIT-01-01: Co-designed smart systems and services for user-centred shared zero-emission mobility of people and freight in urban areas (2Zero, CCAM and Cities’ Mission) (2023)	IA	50
HORIZON-MISS-2023-CIT-01-02: Positive clean energy district (PED) digital twins – from modelling to creating climate neutral Cities	IA	20
HORIZON-MISS-2023”-CLIMA-CITIES-01-01: Urban greening and re-naturing for urban regeneration, resilience and climate neutrality	IA	40
HORIZON-MISS-2023-CIT-02-01: Associating Ukrainian cities to the Climate-neutral and smart cities Mission Deadline: 6 sept 2023	CSA	5
		115
Other Actions: Specific Grant Agreement to the FPA to top-up the operations of the Mission Platform		40
TOTAL		155

Contribution from HE

Strong contribution to the implementation of the Cities Mission is expected from relevant HE partnerships:

- **Built4People** – Cluster 5- HE- Destination 4
- **2Zero** – Zero Emission Road Transport - Cluster 5- Destination 5
- **CCAM** – Connected, Cooperative and Automated Mobility – Cluster 5- Destination 6
- **DUT** – Driving Urban Transition – Partnership co-fund



Importance of National Networks

Comunidad de Transformación de Ciudades-Grupo Espejo de la Misión de Ciudades

[Comunidad de Ciudades - El Día Después será... \(diadespues.org\)](https://diadespues.org)

Plataforma de Colaboración para la Neutralidad Climática de las Ciudades Españolas

19 octubre 2022 - Financiada por el MITECO. [----- \(miteco.gob.es\)](https://miteco.gob.es)

Para cualquier consulta

Mantente informado a través del Portal español de Horizonte Europa: www.horizonteeuropa.es

Luisa Revilla – **Misión Ciudades, Energía-CL5-HE**

luisa.revilla@cdti.es

@HE_Energia_CDTI



Julio Dolado – **Movilidad – CL5-HE**

Julio.dolado@cdti.es

@HE_Movil_CDTI



GRACIAS POR VUESTRA ATENCIÓN