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

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
A WARM WELCOME TO ALL MISSION CITIES FROM THE WHOLE MISSION TEAM!
Main elements of the Cities Mission

- Climate City Contracts
- Mission Platform
- Tailor-made help with funding and financing
- A Mission label to unlock synergies with other programmes
- Innovative city governance model and citizen engagement
- R&I Actions
- Common framework for monitoring, reporting and verification
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

<table>
<thead>
<tr>
<th>Topics</th>
<th>Type of Action</th>
<th>Budget M.€</th>
<th>EU Contribution per topic M.€</th>
<th>No projects funded</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Opening: 11 Jan 2022</strong> <strong>Deadline(s): 26 Apr 2022</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HORIZON-MISS-2021-CIT-02-01: Urban planning and design for just, sustainable, resilient and climate-neutral cities by 2030</td>
<td>IA</td>
<td><strong>35</strong></td>
<td>11.00 to 12.00</td>
<td>3</td>
</tr>
<tr>
<td>HORIZON-MISS-2021-CIT-02-02: Unleashing the innovation potential of public transport as backbone of urban mobility</td>
<td>IA</td>
<td><strong>40</strong></td>
<td>12.00 to 20.00</td>
<td>3</td>
</tr>
<tr>
<td>HORIZON-MISS-2021-CIT-02-03: Framework Partnership Agreement (FPA) for the Climate-Neutral and Smart Cities Mission Platform</td>
<td>FPA</td>
<td><strong>0</strong></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>HORIZON-MISS-2021-CIT-02-04: Positive Clean Energy Districts</td>
<td>IA</td>
<td><strong>40</strong></td>
<td>15.00 to 20.00</td>
<td>2</td>
</tr>
<tr>
<td>HORIZON-MISS-2021-CIT-02-05: Global cooperation and exchange on urban climate neutrality</td>
<td>CSA</td>
<td><strong>2</strong></td>
<td>2.00</td>
<td>1</td>
</tr>
<tr>
<td><strong>Opening: 28 Apr 2022</strong> <strong>Deadline(s): 06 Sep 2022</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HORIZON-MISS-2022-CIT-01-01: Designing inclusive, safe, affordable and sustainable urban mobility</td>
<td>IA</td>
<td><strong>42</strong></td>
<td>8.00 to 12.00</td>
<td>4</td>
</tr>
</tbody>
</table>
### HE - WP for Cities Mission – Call 2023 BORRADOR

<table>
<thead>
<tr>
<th>Topics</th>
<th>Type of Action</th>
<th>Budget M.€</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deadline: 27 Abril 2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>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)</strong></td>
<td>IA</td>
<td>50</td>
</tr>
<tr>
<td><strong>HORIZON-MISS-2023-CIT-01-02: Positive clean energy district (PED) digital twins – from modelling to creating climate neutral Cities</strong></td>
<td>IA</td>
<td>20</td>
</tr>
<tr>
<td><strong>HORIZON-MISS-2023”-CLIMA-CITIES-01-01: Urban greening and re-naturing for urban regeneration, resilience and climate neutrality</strong></td>
<td>IA</td>
<td>40</td>
</tr>
<tr>
<td><strong>HORIZON-MISS-2023-CIT-02-01: Associating Ukrainian cities to the Climate-neutral and smart cities Mission Deadline: 6 sept 2023</strong></td>
<td>CSA</td>
<td>5</td>
</tr>
<tr>
<td><strong>Other Actions:</strong> Specific Grant Agreement to the FPA to top-up the operations of the Mission Platform**</td>
<td></td>
<td>40</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>155</td>
</tr>
</tbody>
</table>
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)

Plataforma de Colaboración para la Neutralidad Climática de las Ciudades Españolas
19 octubre 2022 - Financiada por el MITECO. ------ (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