



EUROPEAN UNION



# EU MISSIONS

**CLIMATE-NEUTRAL & SMART CITIES**

**Concrete solutions for our greatest challenges**



EU-Japan 100 Cities Event on Climate Action, 25 January 2023

#EUmissions #HorizonEU #MissionCities



## WHY A MISSION ON CLIMATE-NEUTRAL CITIES?

- **75%** of EU citizens live in cities → projected to increase to about 85% in 2050
- **65%+** of energy consumption and **70%+** of CO<sub>2</sub> emissions worldwide stem from cities
- The **European Green Deal** is set at EU / national level, but will be implemented at local level – particularly in cities and regions – where policy meets people
- Multiple **co-benefits from climate action** – lower air/noise pollution, less congestion and safer mobility, a more secure energy supply, more comfortable buildings, healthier lives
- Cities have the **ambition** to go further – they need targeted help to achieve their goal of climate neutrality



## OBJECTIVES OF THE MISSION



1. Deliver at least 100 climate-neutral and smart European cities by 2030
2. 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

28 April 2022

# ANNOUNCEMENT OF THE SELECTED CITIES

100 EU cities and 12 cities from Associated Countries selected from 377 applicants



Cities from every Member State



Capital cities



Small, medium, large cities



Frontrunners and less prepared cities

## Associated countries

- ALBANIA**  
Elbasan
- BOSNIA AND HERZEGOVINA**  
Sarajevo
- ICELAND**  
Reykjavik
- ISRAEL**  
Eilat
- MONTENEGRO**  
Podgorica
- NORWAY**  
Oslo  
Stavanger  
Trondheim
- TURKEY**  
Istanbul  
Izmir
- UNITED KINGDOM**  
Bristol  
Glasgow

Selected EU cities represent 12% of EU population



## MAIN ELEMENTS OF THE MISSION

### Horizon Europe

#### Mission Platform

- Run by NetZeroCities consortium
- Tailor-made advice on technical, regulatory, financial and social innovation issues
- R&I demonstrators
- Twinning and mutual learning

#### Portfolio of R&I projects



### Climate City Contracts

- Including climate action plan and investment strategy
- Innovative city governance and citizen engagement
- Involvement of European, national and regional level



### MISSION LABEL



- Synergies with other programmes
- Help with access to funding and financing



## CLIMATE NEUTRALITY CHALLENGES

ACROSS SECTORS

Fragmentation of  
responsibilities



Access to funding /  
financing schemes



Insufficient  
administrative and/or  
operational capacity



Insights from the Mission Platform

- Report on City Needs, Drivers and Barriers towards Climate Neutrality



## CLIMATE CITY CONTRACTS (CCC)

Three building blocks:

- **2030 Climate Neutrality Commitments** – central CCC component, it articulates a city's 2030 ambition, key priorities and signatory commitments. [Template](#) | [Guidance document](#)
- **2030 Climate Neutrality Action Plan** – this CCC part serves as an instrument to navigate and operationalise a city's climate-neutrality ambition. [Template](#) | [Guidance document](#)
- **2030 Climate Neutrality Investment Plan** – this CCC part serves to develop a long-term economic and financial strategy for climate neutrality. [Template](#) | [Guidance document](#)

**Completeness check and review** by the European Commission and independent experts, followed by **Award of Mission Label**



Mission Innovation is a global initiative of 23 countries and the EU aiming to make clean energy affordable, attractive and accessible for all

The Urban Transitions Mission of Mission Innovation was launched at COP26 to demonstrate integrated pathways towards holistic and people-centred urban transitions, built around clean energy and innovative net-zero carbon solutions

[explore.mission-innovation.net/mission/urban-transitions/](https://explore.mission-innovation.net/mission/urban-transitions/)





# URBAN TRANSITIONS MISSION

Core Team

Co-leads



GLOBAL COVENANT  
of MAYORS for  
CLIMATE & ENERGY



URBAN EUROPE

Core Mission Members



Austria – India – Saudi Arabia – Sweden –  
Spain



MI Innovation Community on Affordable Heating and Cooling of Buildings

Mission Support Group



Climate-KIC

STUDENT ENERGY



IRENA  
International Renewable Energy Agency



United Nations  
Framework Convention on  
Climate Change

# URBAN TRANSITIONS MISSION (UTM)



## Innovative Net-Zero Urban Transition

- Bring together a **cohort of 300 cities by 2024** to demonstrate integrated net-zero pathways and inspire cities across world regions on their journey towards decarbonisation
- Innovative approaches and solutions in the areas of **Positive Energy Districts**, the **15-Minute City** and **urban circularity**, including both social and technological components



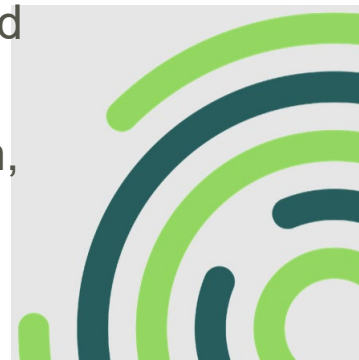
## Capacity Building and Funding for the Net-Zero Urban Transition

- Increase access to evidence, good practice, networking and funding opportunities for cities worldwide through the **Urban Transitions Mission Centre**
- Establish a forum for international exchange and cooperation on climate-neutral transitions, including via an **Annual Innovation Summit**



## Research and Innovation Needs for the Global Net - Zero Transition

- Aggregate the **demand for R&I at the global level** to increase the speed and scale of deployment of net - zero development
- Mobilise a **Global Innovation Alliance** to close the gap between research, development and deployment on systemic transition pathways





### FIRST CALL FOR EXPRESSION OF INTEREST

- Open in September-October 2022
- Announcement of the 48 selected cities at COP27

### SECOND CALL FOR EXPRESSION OF INTEREST

- To open in Q2 of 2023
- Selection of additional cities to complete the 300 city cohort

COUNTRIES		CITIES
Albania	1	Lezha
Argentina	3	Luján de Cuyo – Mendoza, Santa Fe, Villa Carlos Paz
Australia	1	Newcastle
Austria	1	Klagenfurt am Wörthersee
Brazil	5	Belo Horizonte, Contagem, Porto Alegre, Rio de Janeiro, Salvador
Bulgaria	1	Burgas
Chile	4	Peñalolén, Puerto Montt, Renca, Vitacura
Colombia	1	Cartagena de indias
Denmark	1	Aarhus
Fiji Islands	1	Nadi
Finland	2	Lappeeranta, Turku
Germany	1	Mannheim
India	6	Ahmedabad, Kochi, Mumbai, Panaji, Patna, Surat
Japan	1	Tokorozawa
Lithuania	2	Kaunas, Siauliai
Morocco	2	Casablanca, Chefchaouen
Norway	2	Bodø, Bergen
Poland	1	Łódź
Portugal	3	Cascais, Lisbon, Santo Tirso
Romania	2	Cluj - Napoca, Roman
Spain	2	Valencia, Vitoria - Gasteiz
Ukraine	3	Konotop city, Lviv city territorial community, Zhytomyr
United Kingdom	1	Greater Manchester
USA	1	Miami - Dade County
24 countries		48 selected cities to progressively engage with the Urban Transitions Mission



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# Thank you!

Contact: [RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu](mailto:RTD-HORIZON-EUROPE-MISSION-CITIES@ec.europa.eu)

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