

NET ZERO CITIES



EU MISSION PLATFORM

CLIMATE NEUTRAL AND SMART CITIES



NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.



Milan/CLIMB

CLimate-neutrality through
Integrated Molecular model for
urBAn regeneration with sustainable
finance

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Environment Department

Learning by doing

4th November 2025 –
Transition Team Programme

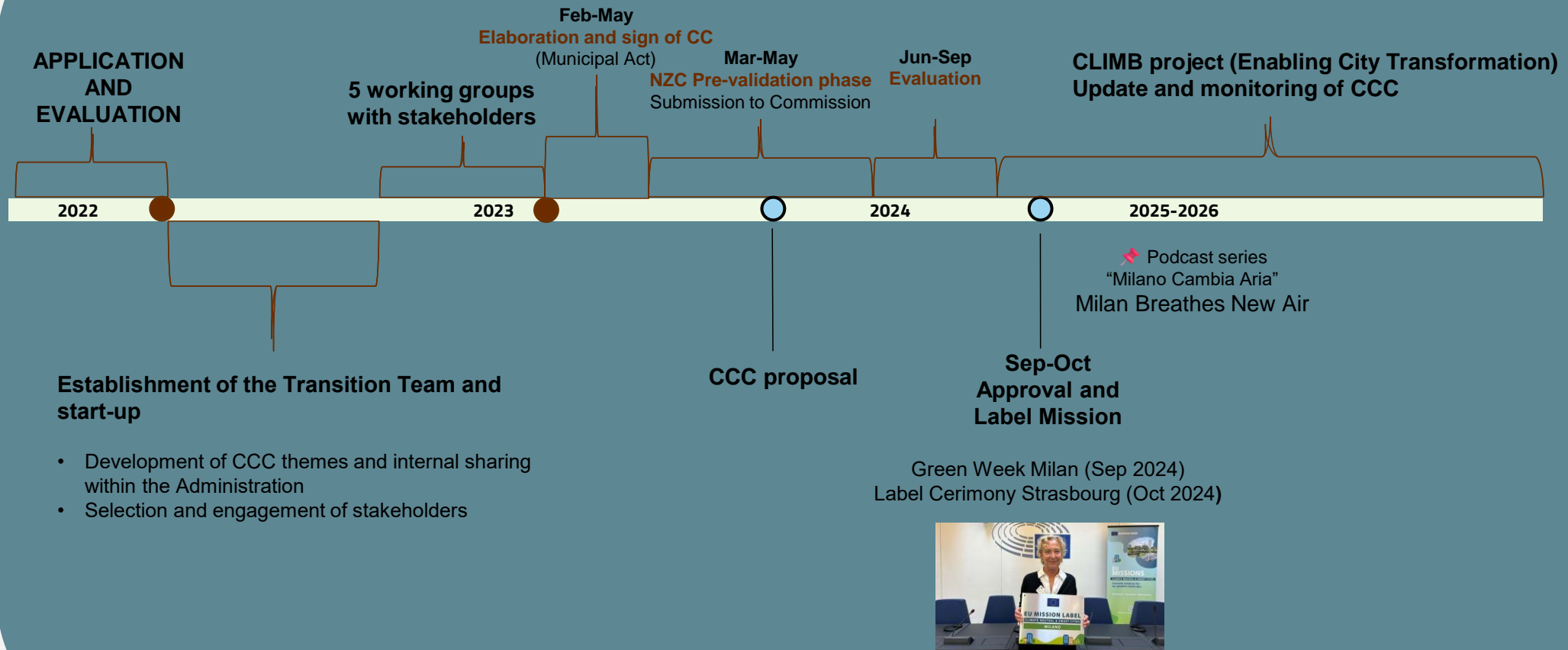


Funded by the
European Union

BEFORE THE ECT PROJECT: Milan Climate City Contract



Mission 100 Cities – The pathway



BEFORE THE ECT PROJECT: Milan Climate City Contract



Milan's challenges

1. Climate ambition

Exceeding the 60% CO₂ reduction target set in the Air and Climate Plan and moving towards neutrality by 2030.

2. Stakeholder engagement

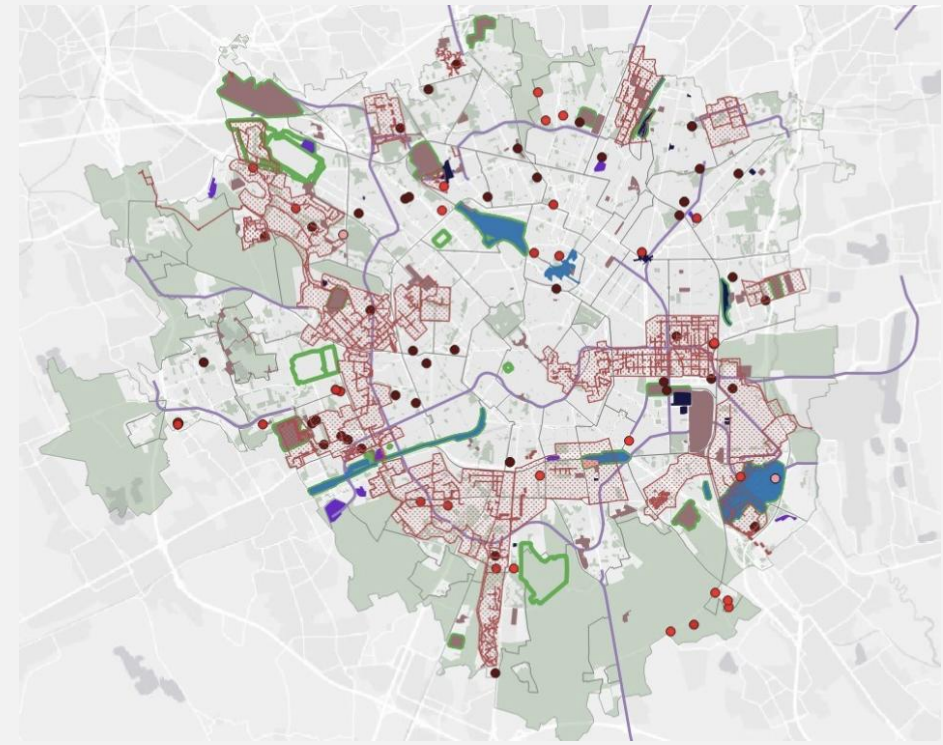
Involving a wide and diverse group of city actors (utilities, universities, service providers, developers, innovators, civil society, foundations) in a shared vision and commitment.

3. Integration of projects

Avoiding fragmentation by developing innovative and scalable “carbon neutral” regeneration projects, interconnected through energy, mobility, and green infrastructure.

4. Policy alignment

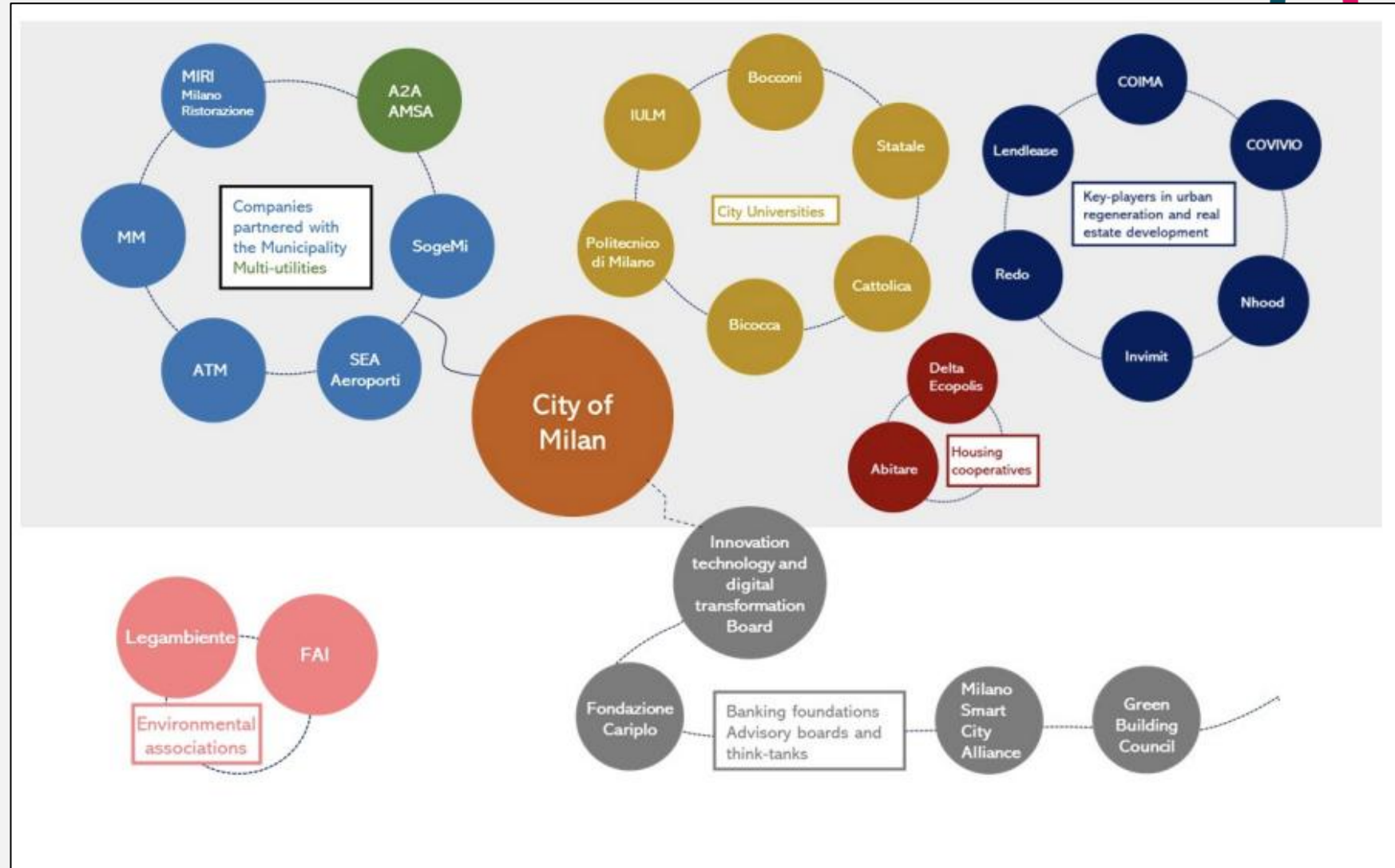
Ensuring coherence between the Air and Climate Plan, the Territorial Government Plan, and other strategies, to strengthen urban planning tools for mitigation and adaptation.



The signatories of the first edition of the CCC of Milan



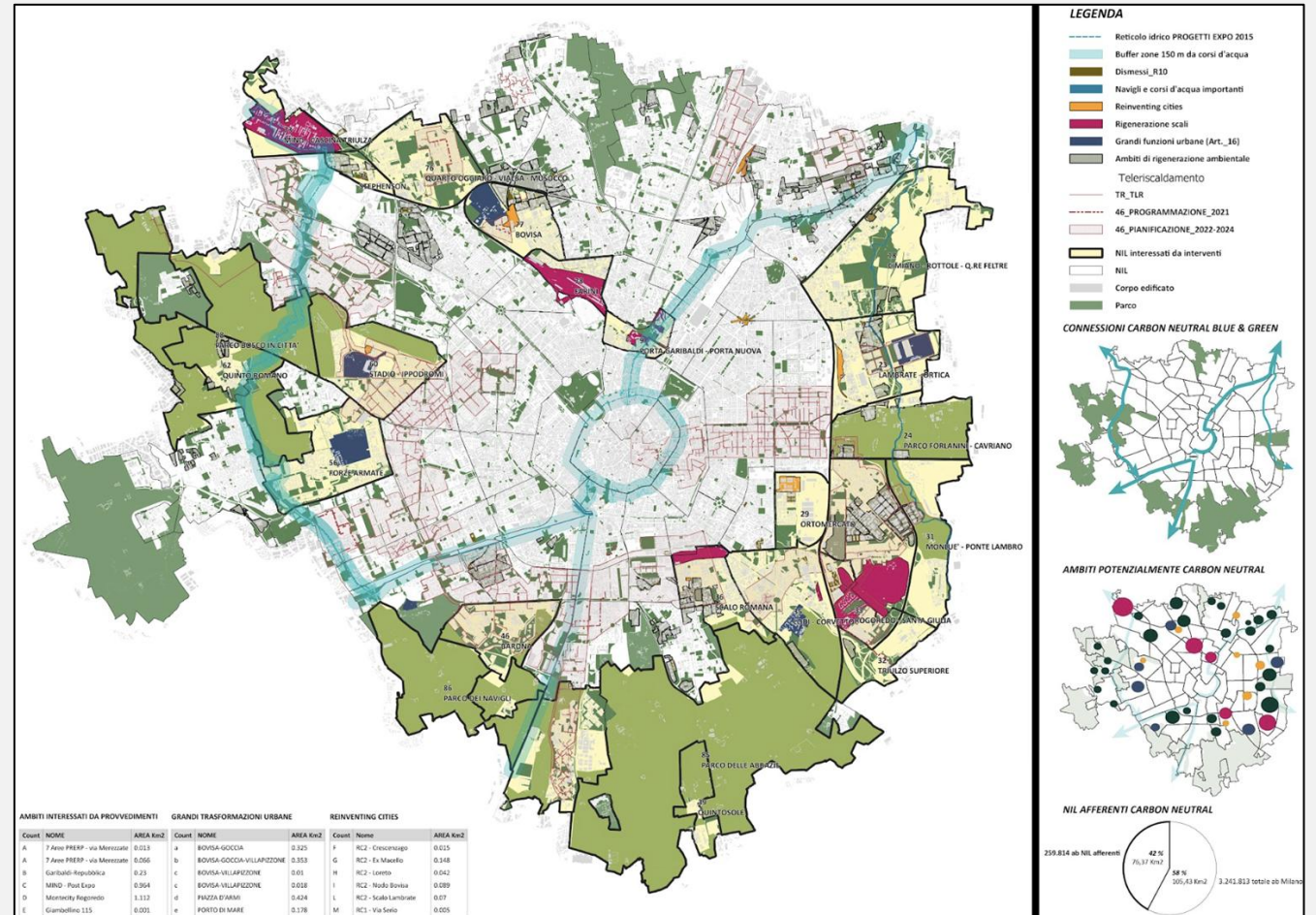
- ✓ **Municipal Companies / Public Companies**
- ✓ **Universities**
- ✓ **Urban Regeneration Operators**
- ✓ **Housing / Service Cooperatives**
- ✓ **Foundations, Environmental Associations, and Business Associations, Think Tanks, and Innovation Boards**



The “molecular strategy”



- An **intermediate framework** useful for reading and designing acceleration pathways towards climate neutrality.
- A **possible strategic model** to address the city’s decarbonisation.
- A possible operational **reference for planning**.



CLIMB - CLimate-neutrality through Integrated Molecular model for urBan regeneration with sustainable finance



The CLIMB project is funded by the European Horizon Europe programme under the call “Enabling City Transformation,” within the Mission “100 Climate-Neutral and Smart Cities by 2030.” FROM MARCH 2025 TO SEPTEMBER 2026 (18 MONTHS)

PARTNERSHIP

Municipality of Milan (Coordinator) + Bocconi University SUR Lab (Partner)

GOALS

- Implement a molecular model for decarbonisation and urban regeneration
- Test **decarbonisation scenarios in “urban molecules”** through building energy retrofits, renewable energy integration, sustainable mobility initiatives, and nature-based solutions (NBS)
- Design **sustainable finance tools**
- Promote collaborative governance among different municipal departments
- Facilitate knowledge exchange with other cities (NetZeroCities)



The “molecular strategy”



Decarbonization scenarios to be tested on «urban molecules»

1. CRESCENZAGO-ADRIANO – LAMBRO

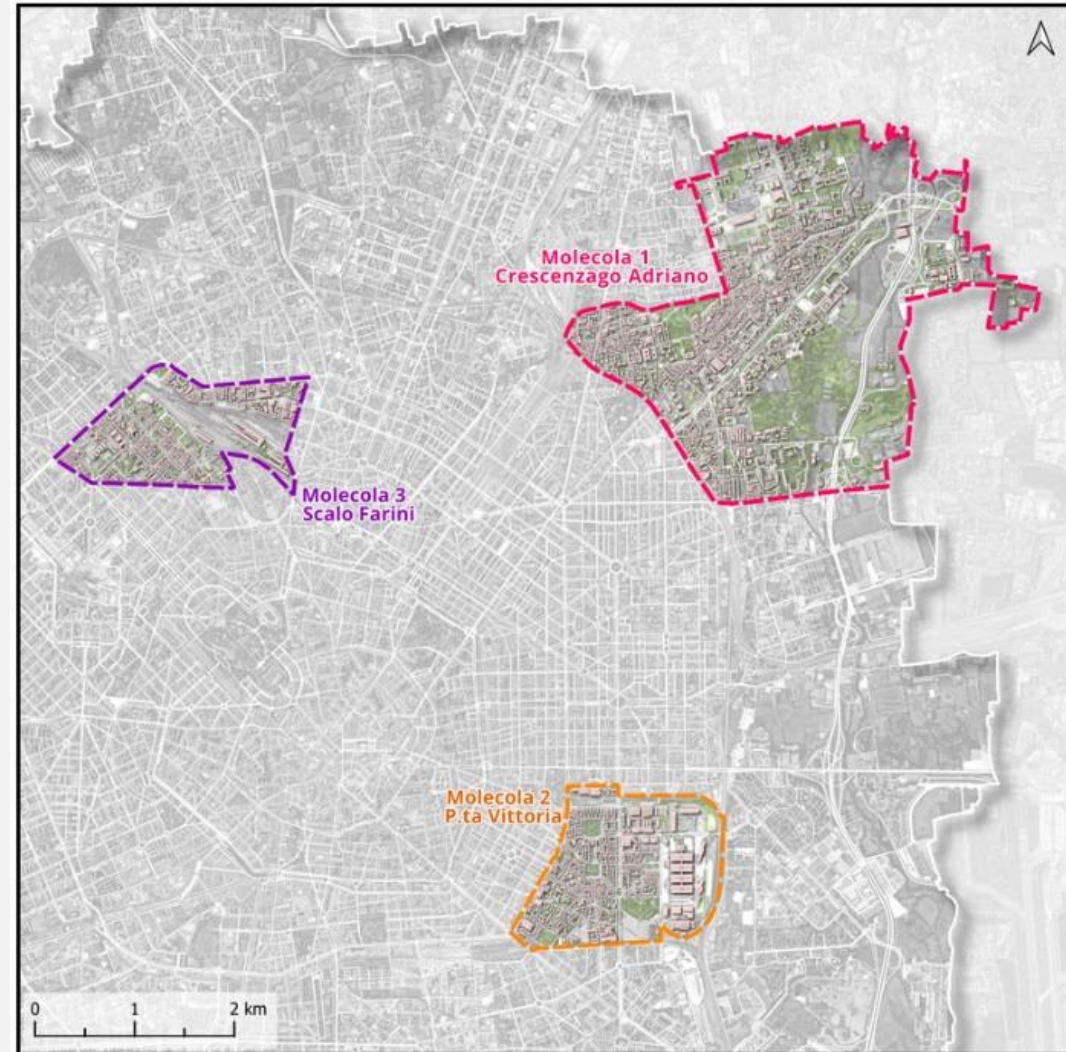
Type A - Consolidated residential neighbourhoods (peripheral areas)

2. PORTA VITTORIA

Type B - Brownfield sites in central / semi-central areas

3. FARINI

Type C - Large disused railway yards



Stakeholder engagement at molecular level



STUDY VISIT

WORKSHOP

1 Policy guidance document
(CCC update)

Replicable event format for each working module, with the aim of

[1] **Exploring the selected areas** and interacting with the signatories' CCC;

[2] **Collecting inputs and developing insights** on to 3 thematic decarbonization dimensions:



Low-Impact Buildings and Renewable Energy Networks



Active Mobility and Transport Decarbonization



Natural Capital and Nature-Based Solutions

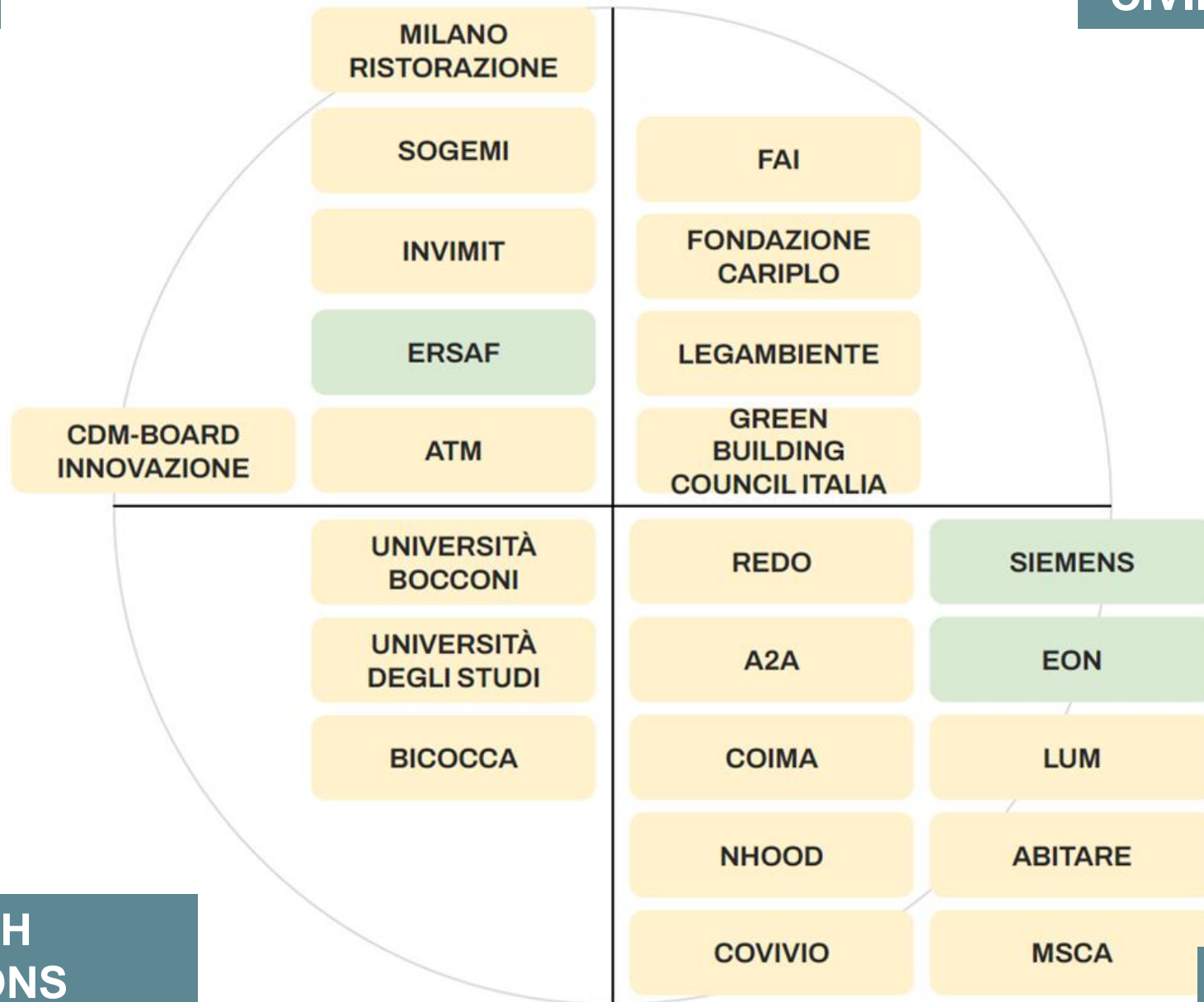
- Consolidates inputs from **site visits** and **workshops**
- Processed according to **team skills** and **thematic expertise**
- Represents the **final output** of the strategic work process



Stakeholder mapping at molecule scale

PUBLIC

CIVIL SOCIETY



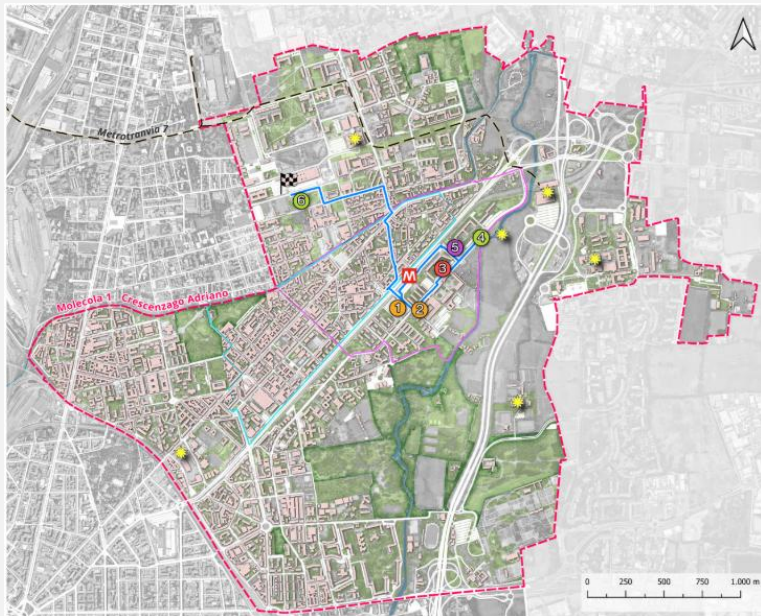
RESEARCH INSTITUTIONS

PRIVATE

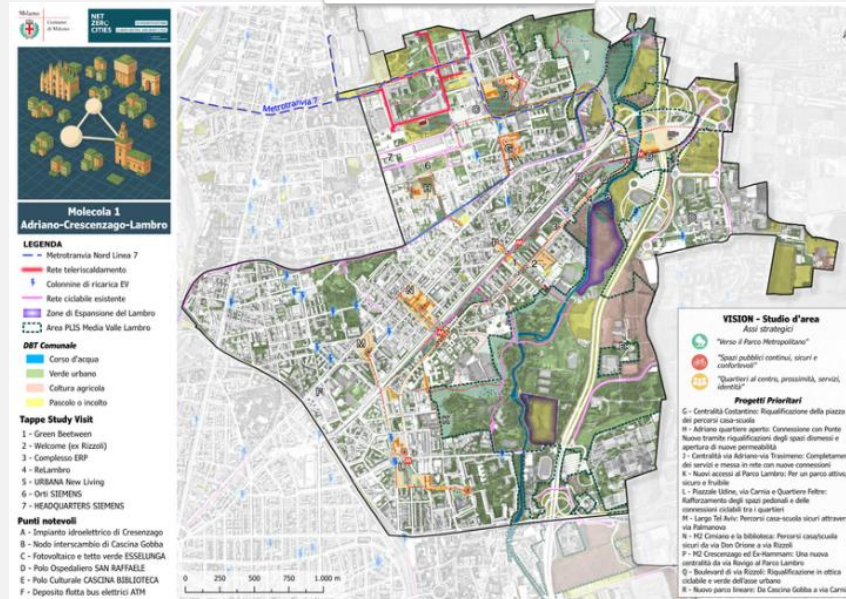


Study visit

EXPLORE



SHAPE



ACTIVATE

Workshop



Before the visit

Milano
Comune di Milano

Call for Proposals
NetZeroCities Enabling City Transformation Programme (2024)

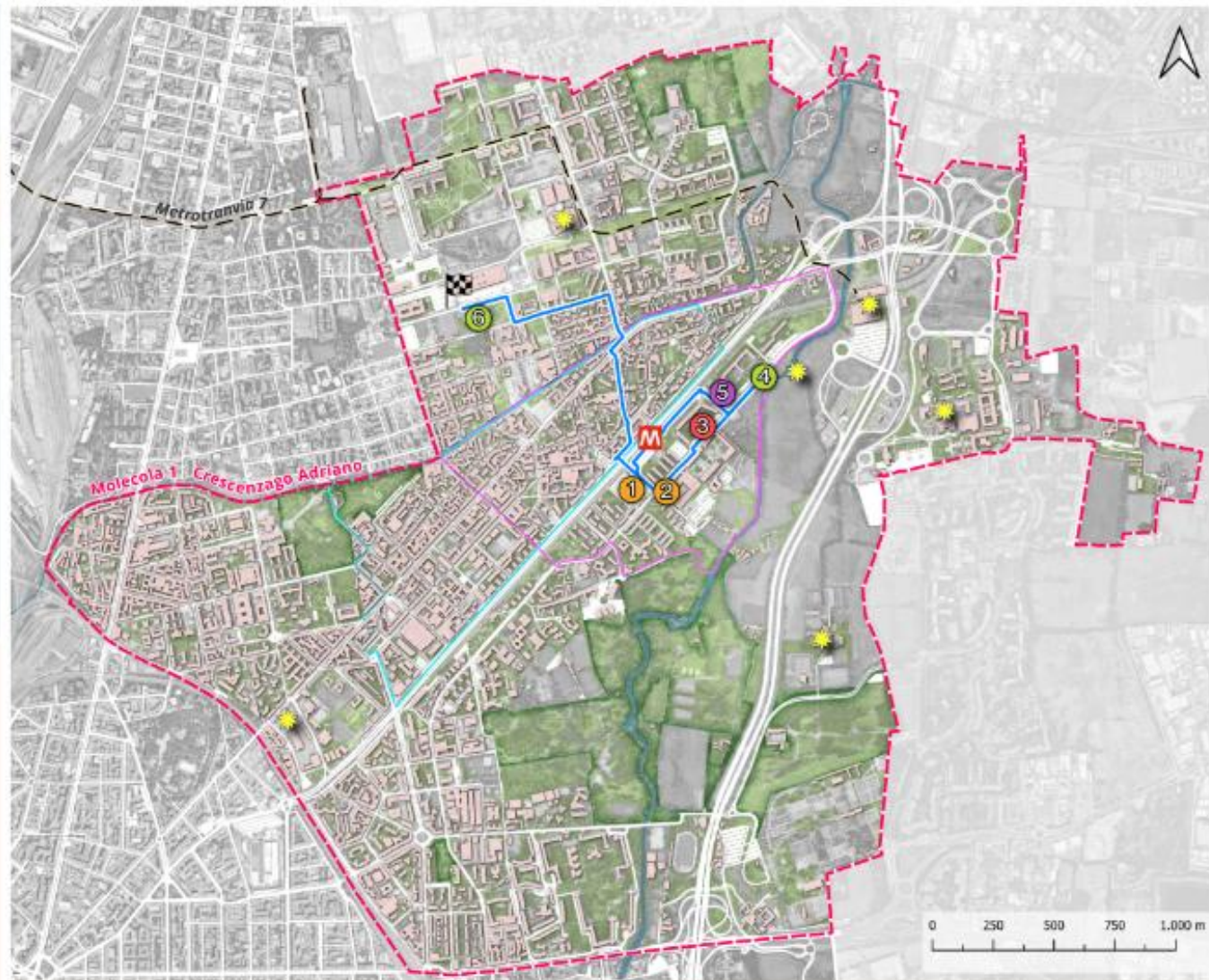
CLIMB
CLimate-neutrality through Integrated Molecular model
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1st STUDY VISIT
MOLECOLA
CRESCENZAGO-ADRIANO






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PROGRAMMA

-  **PARTENZA:** M3 Crescenzago
-  **1** "Green Between"
-  **2** "Welcome, feeling at work"
-  **3** Intervento edilizia ERP
-  **4** Progetto Re-LAMBRO
-  **5** 1^a TAPPA: "Urbana New Living"
-  **6** Orti di SIEMENS
-  **ARRIVO:** Sede SIEMENS



LEGENDA

-  Molecola Crescenzago-Adriano
-  Area simulazione energetica (AMAT)
-  Perimetro Progetto "Quartieri Resilienti"
-  Luoghi notevoli
-  Edificio
-  Sede stradale
-  Corso d'acqua
-  Verde urbano
-  Parco

WEB MAP



SCAN IT



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Molecola 1
Adriano-Crescenzago-Lambro

LEGENDA

- Metrotranvia Nord Linea 7
- Rete teleriscaldamento
- Colonnine di ricarica EV
- Rete ciclabile esistente
- Zone di Espansione del Lambro
- Area PLIS Media Valle Lambro

DBT Comunale

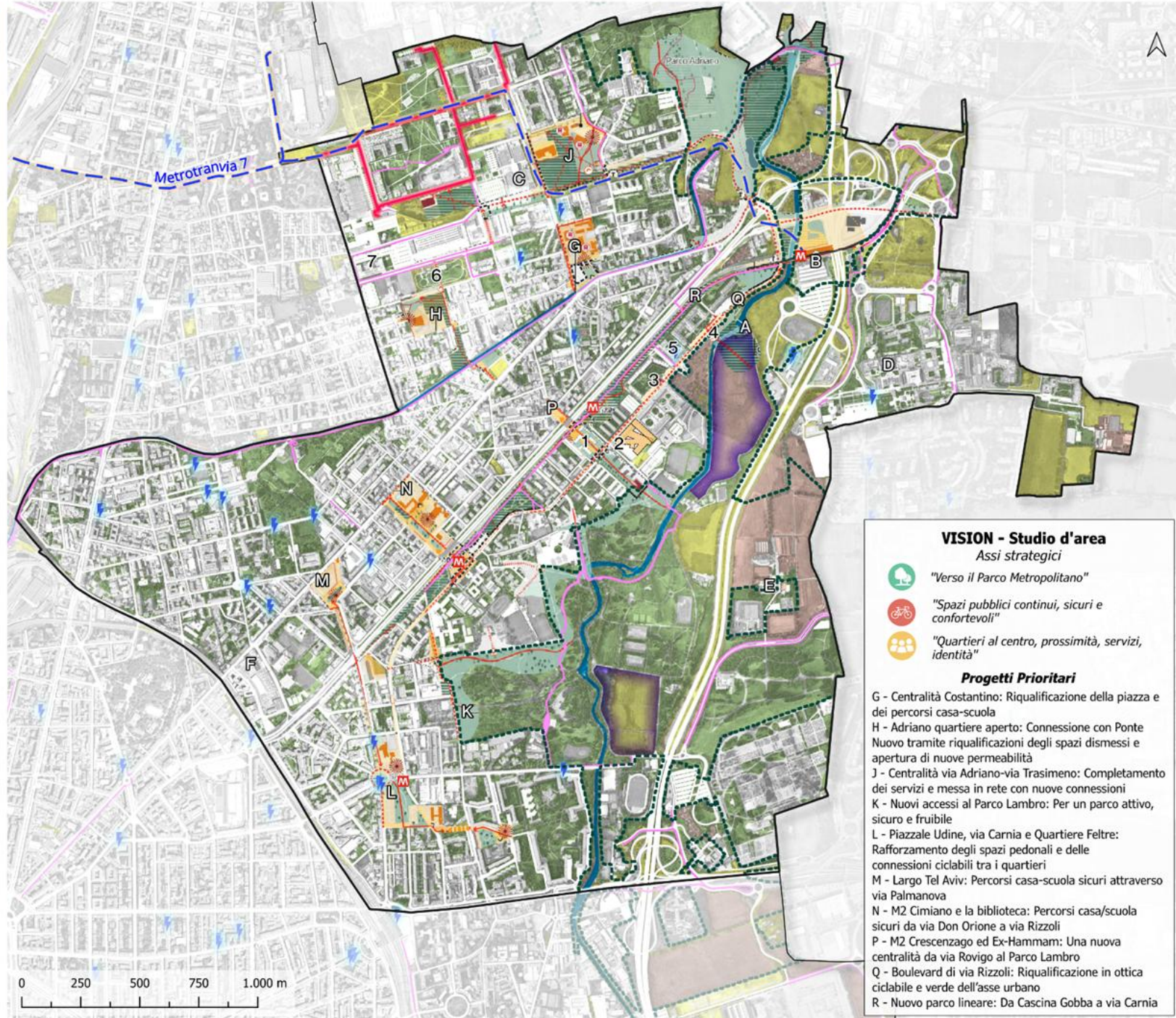
- Corso d'acqua
- Verde urbano
- Coltura agricola
- Pascolo o incolto

Tappe Study Visit

- 1 - Green Beetween
- 2 - Welcome (ex Rizzoli)
- 3 - Complesso ERS
- 4 - ReLambro
- 5 - URBANA New Living
- 6 - Orti SIEMENS
- 7 - HEADQUARTERS SIEMENS

Punti notevoli

- A - Impianto idroelettrico di Crescenzago
- B - Nodo interscambio di Cascina Gobba
- C - Fotovoltaico e tetto verde ESSELUNGA
- D - Polo Ospedaliero SAN RAFFAELE
- E - Polo Culturale CASCINA BIBLIOTECA
- F - Deposito flotta bus elettrici ATM



VISION - Studio d'area
Assi strategici

- "Verso il Parco Metropolitano"
- "Spazi pubblici continui, sicuri e confortevoli"
- "Quartieri al centro, prossimità, servizi, identità"

Progetti Prioritari

- G - Centralità Costantino: Riqualficazione della piazza e dei percorsi casa-scuola
- H - Adriano quartiere aperto: Connessione con Ponte Nuovo tramite riqualificazioni degli spazi dismessi e apertura di nuove permeabilità
- J - Centralità via Adriano-via Trasimeno: Completamento dei servizi e messa in rete con nuove connessioni
- K - Nuovi accessi al Parco Lambro: Per un parco attivo, sicuro e fruibile
- L - Piazzale Udine, via Carnia e Quartiere Feltre: Rafforzamento degli spazi pedonali e delle connessioni ciclabili tra i quartieri
- M - Largo Tel Aviv: Percorsi casa-scuola sicuri attraverso via Palmanova
- N - M2 Cimiano e la biblioteca: Percorsi casa/scuola sicuri da via Don Orione a via Rizzoli
- P - M2 Crescenzago ed Ex-Hammam: Una nuova centralità da via Rovigo al Parco Lambro
- Q - Boulevard di via Rizzoli: Riqualficazione in ottica ciclabile e verde dell'asse urbano
- R - Nuovo parco lineare: Da Cascina Gobba a via Carnia



After
the visit



NetZeroCities has received



Roadblocks and challenges in the CLIMB stakeholder engagement process

1. From *fragmented* to *systemic* financial instruments

-  We are moving from small, project-based incentives to **integrated, territorial financial tools**.
-  This shift requires stakeholders to think beyond single measures - towards **shared, long-term financial mechanisms**.

The challenge: building trust and acceptance for more complex, collective instruments.

2. Aligning municipal departments for integrated action

-  Alignment among the different municipal departments involved - such as **Urban Regeneration, Budget, and Energy & Climate**.
-  The Urban Resilience Department could play a crucial bridging role, connecting these areas and enabling a **shared, cross-cutting approach**.

The challenge: overcoming silos, aligning priorities, and creating a common language between urban planning, climate action, and finance.





Thank you

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