# NET ZERC

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EU MISSION PLATFORM

**CLIMATE NEUTRAL AND SMART CITIES** 

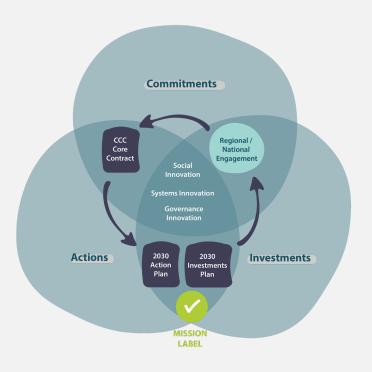




## The Climate city Contract









CCC 2030 2030 Core Action Investment Contract Plan Plan



## **Action & Investment planning**



Parallel, overlapping <u>and</u> interacting processes

Action planning

Assess existing action plans



Submit & Mission Label validate

Capital & investment planning

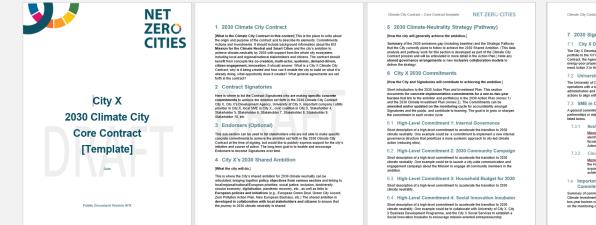
Data inputs, assess capacity/capabilities

Today





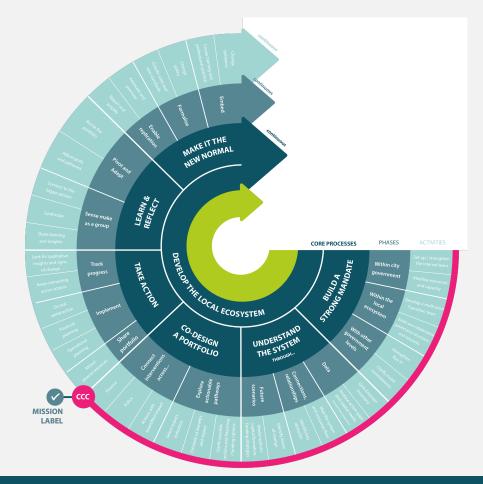
## **Climate City Contract Core Contract**



Climate City Contract – Core Contract template NET ZERO CITIES	Climate City Contract - Core Contract temptate NET ZERO CTTES
	7.5 Stakeholder 5 Commitment(s)
7 2030 Signatory Commitments	Summary of commitments that link to the 2030 Action Plan (Annex 1) and the 2030 Climate Investment Plan (Annex 2). Subheadings can be used, if desired. Alternative:
7.1 City X Development Agency	two-year horizon commitments to the 2030 objective that are revisited and adjusted on the monitoring cycle.
The City X Development Agency has committed to returbishing its entire residential pertition to the XXY Energy Standard by 2014. As part of the 2300 Cathact Contract, the Agency will work with the city for Identify refurbishing 59% of the most energy-one properties within the city the XXY Energy Standard by 2030 to help meet Action X in the cit the 2030 Action Plan (Annex 1).	7.6 Stakeholder 6 Commitment(s) Summary of commitments that link to the 2030 Action Plan (Annex 1) and the 2030
	Climate Investment Plan (Annex 2). Subheadings can be used, if desired. Alternative: two-year horizon commitments to the 2030 objective that are revisited and adjusted on the monitoring cycle.
7.2 University of City X	
The University of City X has an adopted Climate Action Plan for its facilities and operations with a target of 2050. The University commits to working with the city	8 Contract (Signatures)
administration and other stakeholders to adjust its organizational strategies and actions to align with the City's objective to achieve climate neutrality by 2030.	We agree on the joint commitments as formulated in City X's 2030 Climate City Contract. The contract has been prepared within the framework of EU Climate Neutral and Smart Cities Mission initiative and will be updated on a [vearin] [24-
7.3 SME in City X	month) basis until 2030.
A general commitment can be articulated here, listing particular cooperative partnerships or objectives. Specific commitments linked to portfolio actions can be listed below.	Mayor of City X
7.3.1 NetZero Mobility	, ,
Micromobility, Inc. will expand operations by 35% to include more electric micromobility solutions throughout the City X municipality, focusing on transit-poor areas of the city, (Link to Action Xia in the 2030 Action Plan.)	President, City X Development Agency
7.3.2 Circular Business and Industry	
Micromphility Inc., will collaborate with the University of City X as part of the Horizon Europe research grant on battery waterial recovery to expand the refluidement market potential in the City X region. (Helping archieve Action X in the 2009 Action Plan.)	Provost, University of City X
7.4 Important company / utility provider in City X Commitment(s)	rotton, differently of only of
Summary of commitments that link to the 2000 Action Plan (Annex 1) and the 2000 Climate Investment Plan (Annex 2). Subheadings can be used, if desired, Alternative: two-vear hotices commitments to the 2000 objective that are revisited and adjusted	
two-year nonzon commitments to the 2030 objective that are revisited and adjusted on the monitoring cycle.	CEO, SME City X
4	5

**Reference: Climate City Contract - Core Contract Template** 







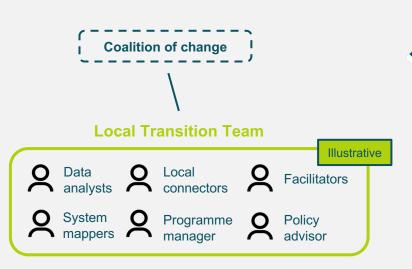
## **Transition map**

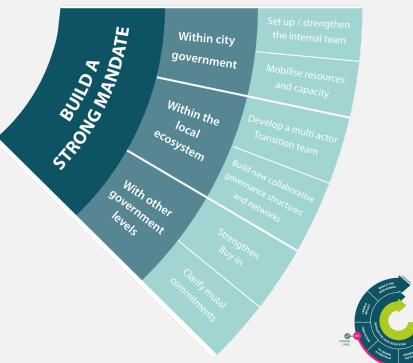
- Building a Strong Mandate
- Understand the System
- Co-Design a Portfolio





## **Build a Strong Mandate**

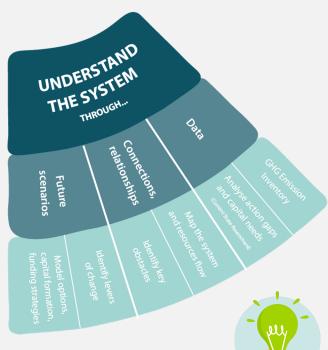






## System Understanding





- Current State Assessment (environmental and physical state distribution of emissions causing activities, potential for renewables generation, planned future development – scenarios and projections, policies and strategies
- GHG Emission Inventory: Estimate /update your emission data
- Gap Analysis: address action gaps/capital needs, map the relevant resources flows, identify key obstacles
- Identify your levers of change
- Identify private/public investment and public funding strategies

## Stakeholder mapping / Ecosystem Development (key emitters, influencers and actors in the city)

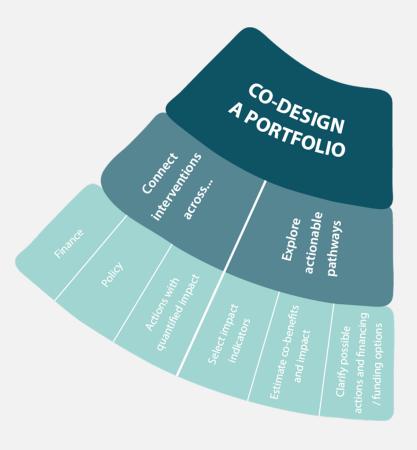
This project has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.





- Implementation, innovation and learning
- Build on and maximise cobenefits
- Draft and link new actions with diverse stakeholders that affect different emission domains









## Services for the 112 happy cities

- Online portal. Full delivery of contents, methodologies, learning materials.
   September 2022.
- Cities Advisors (1 per each city). NZC will directly interact with the cities through CA to identify/understand their needs (Support Needs Assessment) and design the best support they can receive from all the NZC pull of experts. September 2022
- Pilots closed officially funded starting from March 2023. Funds (from 0.5 to 1.5M euros) to support local partnerships to build demonstrators of effective solutions to experiment with for 2 years and be scaled. Guidebook, webinars and FAQ are already available for applicants. Second wave pilots lunched
- Twinning pilots program started June 2023



## **Next Steps**

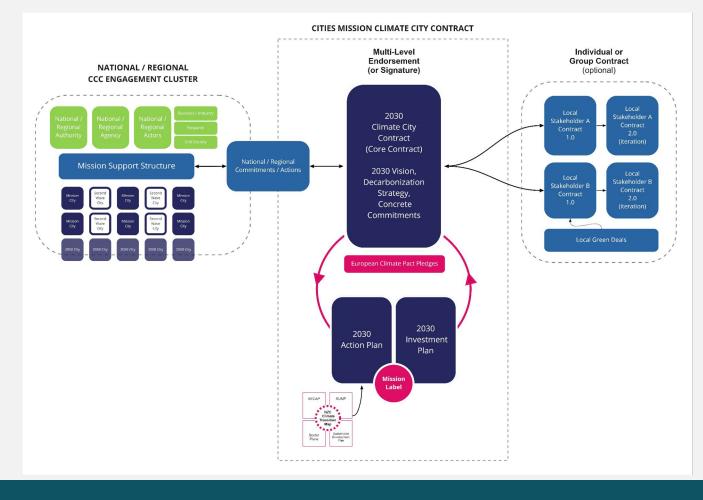


#### January 2024

- City support groups. Teams of expert from NZC to land the Climate and Social innovation Action Plan and the Financial Plan, start January 2024
- NZC National Platform Observatory and multi-level governance for the CCC (ERRIN lead) ongoing initiatives across Europe:
  - Denmark, France, Netherlands, Bulgaria, Greece, Austria (with the support of national NZC partners)
- Financial experts in place
- Support to non mission cities through the platform mainly



## Next steps: support to the National mission platform



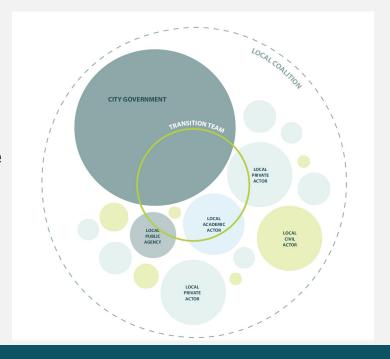


## **Transition Team**



## What is the Transition Team in the view of Cothe the CCC implementation

- It is the interconnection unit between the municipality and its ecosystem
- It is mission-driven
- The Transition Team sits at the heart of the coalition of actors it orchestrates, closely connected to the city government
- It is a strategic instrument for the governance of the mission
- It is composed by people (mainly civil servant), tools, processes







## Which are the prerogatives of the TT

#### Process oriented management instead than project oriented

 contexts of transition are marked by uncertainty including constant rapid changes, stemming from the interconnectedness and complexity of the challenge we face. Ever emerging needs and opportunities make it necessary to move beyond linear planning towards more flexible, evolving and adaptive processes.

#### Portfolio approach instead of project approach

 multiple interconnected challenges, from behavioural change to renewable energy generation to regulatory innovation. To address these challenges, the Transition Team's approach aims to connect existing and new climate actions

#### Network governance instead of traditional governance

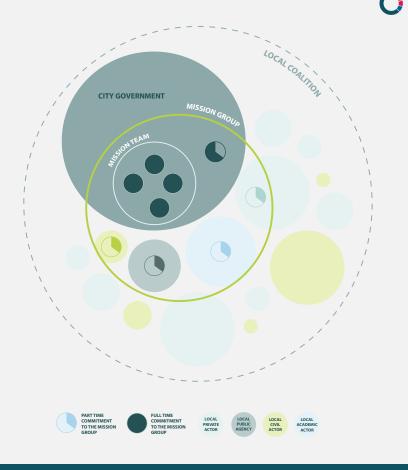
 supportive, facilitator role, building capacity across the local ecosystem of public, private and civic actors so that they can (co-)develop climate actions and co- implement them.



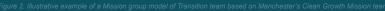
#### MODEL A 'Mission Groups'

#### Overview

A Mission Group is a collaborative governance structure based around a specific mission, i.e., a challenge such as reaching climate neutrality by 2030. It involves the city government, industry, academia, other actors and sometimes national government departments. Members of these groups commit some time and are supported by a core Mission Team from within the city government.commit some time and are supported by a core Mission team from within the city government.





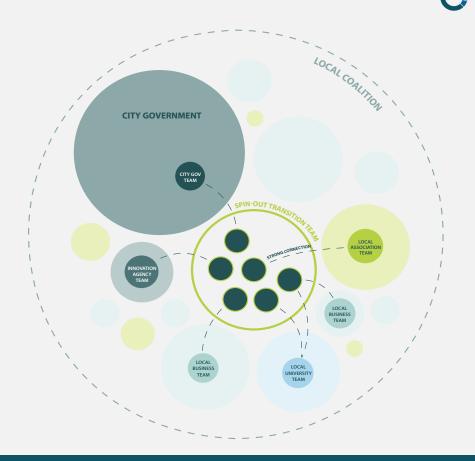


#### MODEL B

#### The external organisation or spin-out

#### Overview

A 'third party' organisation can be responsible for orchestrating the local transition to climate neutrality. The orchestration role is neither in the city government nor in any of the other local actors but in a new dedicated organisation with strong connection to these other actors. Team members are full time employees of this organisation. Some additional team members may be drawn out of the coalition of actors, on a permanent basis, or on secondment, but a permanent and autonomous team always remains.









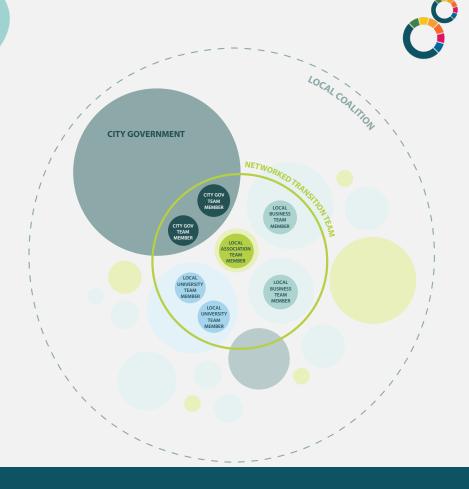




## **MODEL C Networked partnership**

#### Overview

The Transition Team can be the result of a network partnership created with willing, local actors. No independent organisation is created in this model, but a team emerges from a network of core actors. These local actors each make a few individuals available for the orchestration of the coalition.



ACTOR



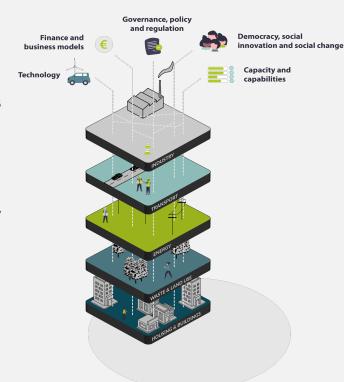


## TT mindset: system thinking

Systems thinking is more inclined to see events as the product of a complex of interacting parts where relations are often cyclical with feedback loops.

#### Static structure vs Dynamic processes

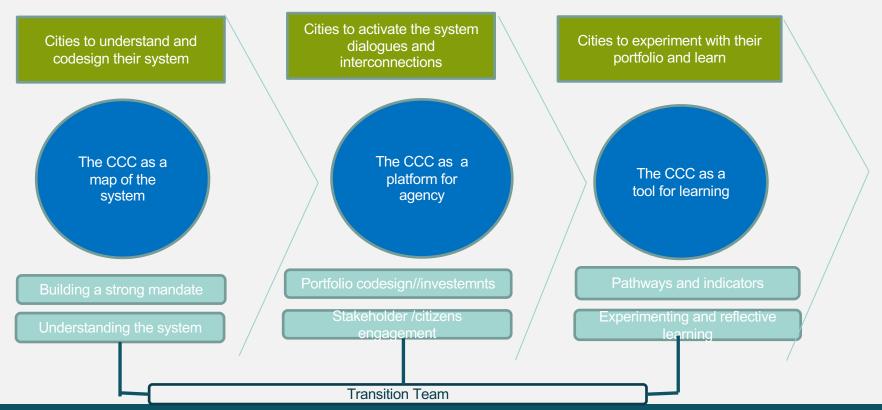
Systems thinking takes a more dynamic view of things often contextualizing entities in terms of the evolutionary forces that have shaped them and thus seeing the process of development as an important phenomena through which to view the world





## Systems thinking through the CCC process









## CCC as a process of understanding

- We are going to use CCC to build up an understanding of the structure and dynamics of the system we are dealing with
- Systems mapping is the process of mapping out the key elements in the system and the relations between them that drive the system's behavior and outcomes over time.
- This is the first step towards developing a shared understanding of what the system under consideration looks like and lays the foundation for future co-learning.
- It creates a basis for initiating a discussion on how different variables relate to each other and reaching consensus on the main goals of the system.
- Systems mapping is not a monolithic thing, all complex systems have multiple dimensions to them, social, ecological, technological, economic, etc.

Cities to understand their system

The CCC as a map of the system

Building a strong mandate

Understanding the system





## The CCC as a process of agency

- Beyond awareness, portfolio of projects need to have agency through collaborations that enable a diversity of actors across the system to start to synchronize their activities in synergistic ways.
- CCC as a process of agency works to build systems portfolio through bringing people together, creating structures that enable them to work together, make collaboration and demonstrate value to the stakeholders.
- CCC as a platform for agency allows building shared understanding, shared language and ultimately some form of *collective intelligence*.
- This starts with recognizing the other actors and the need to work together, then coordinating, collaborating, synthesizing; the result is the emergence of some new functional pattern in the system.

Cities to activate the system interconnections

The CCC as a platform for agency

Portfolio codesian//investemnts

Stakeholder /citizens engagement



### CCC as a process of experimenting and adaptive Learning



- This emergent process of organization formation requires rapid feedback loops to enable experimenting cities way into doing what works and away from what doesn't.
- These feedback loops need to be operating on various levels.
   When we look at what sustains ecosystems and enables them to maintain balance and develop over time it is a multiplicity of feedback loops on different levels.
- An action learning approach is needed, which is an approach to solving real problems that involve taking action and reflecting upon the results, working to improve the problem-solving process over time.
- "Dancing with systems" highlights the need for an ongoing adaptive evolutionary approach to systems change. It is an ongoing process of action and learning.

Cities to experiment with their portfolio and learn



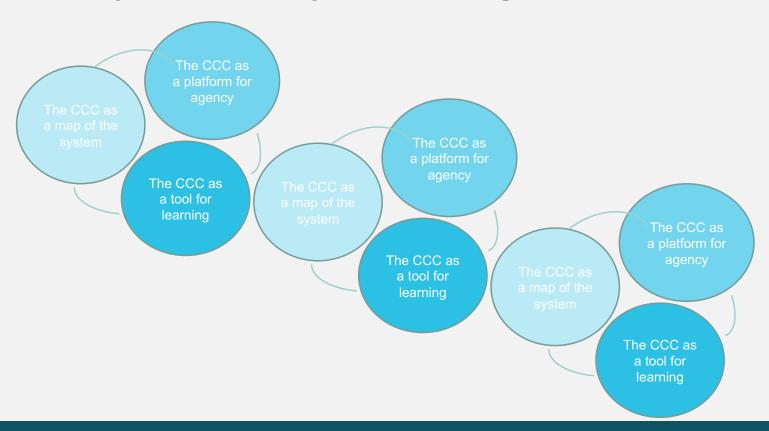
Pathways and indicators

Experimenting and reflective learning



## CCC as a process of system change









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### Get in touch with NetZeroCities!





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