

LJUBLJANA ON THE PATH TO CLIMATE NEUTRALITY



City of
Ljubljana



EU MISSION LABEL

CLIMATE-NEUTRAL & SMART CITIES

LJUBLJANA



Lea Korva

Department of Environmental Protection

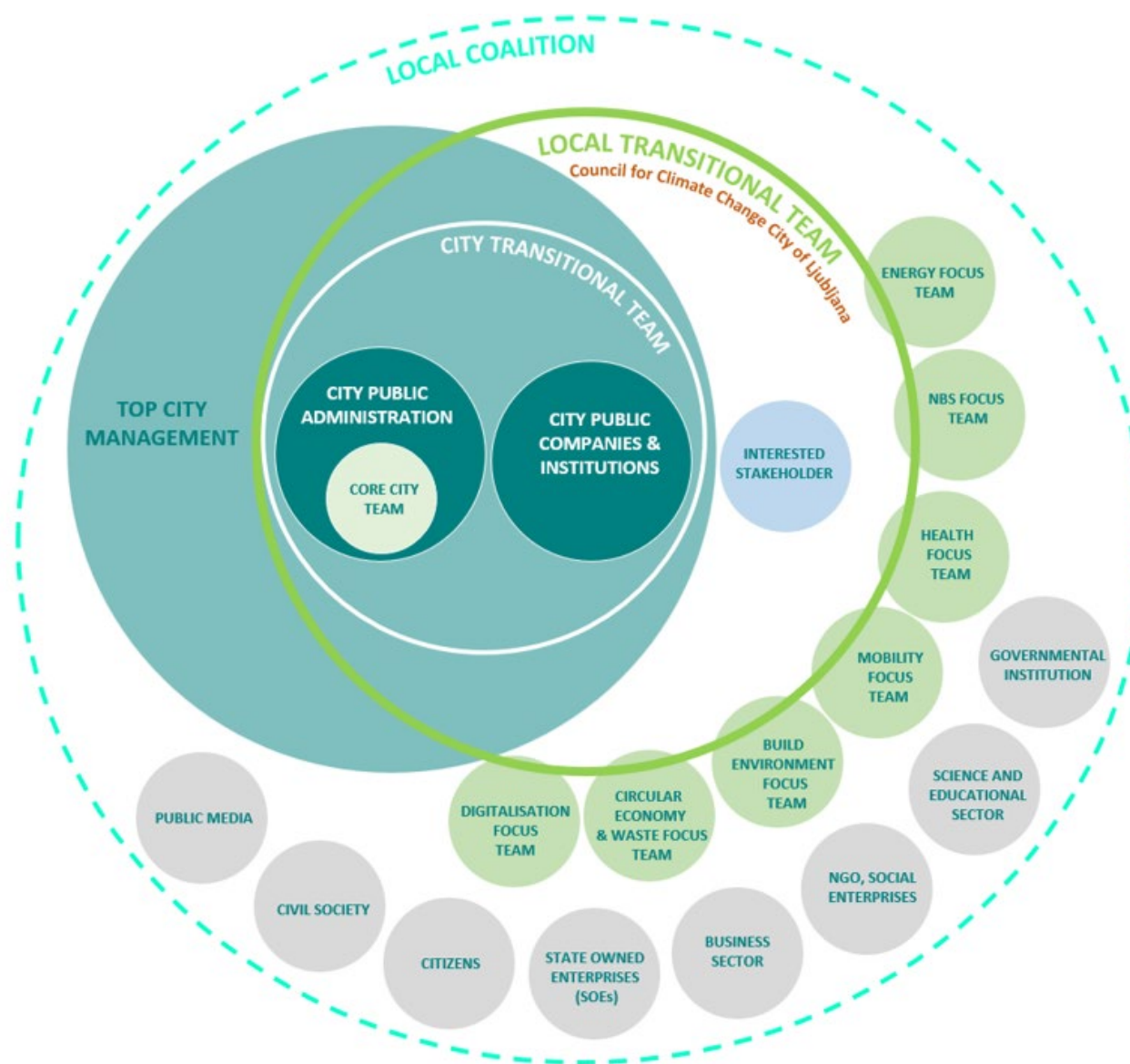


MISSION 100



Slovenian partnership
Ljubljana - Kranj - Velenje

PARTICIPATION OF STAKEHOLDERS



CLIMATE CITY CONTRACT

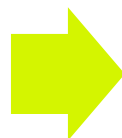
includes

- 2030 Climate Neutrality Action Plan
- 2030 Climate Neutrality Investment Plan
- 2030 Climate Neutrality Commitments



Current State

- 10 GHG emissions baseline inventory
- 10 current policies and strategies
- 10 assessment
- 10 systemic barriers and opportunities



Pathways

- 10 CN scenarios
- 10 CN portfolio design
- 10 indicators for monitoring and evaluation



Enabling

- 10 Governance
- 10 Innovation
- 10 Interventions
- 10 Stakeholder
- 10 Engagement
- 10 Sources of financing

concluded in March 2024

CURRENT STATE OF ACTION

GHG emissions baseline inventory

GHG emissions (tons CO ₂ /inhabitant)	2018	2019	2020	2021	2022
Buildings	4,91	4,44	4,18	4,52	4,25
Transport	2,73	2,76	2,45	2,52	2,64
Waste	0,17	0,19	0,18	0,15	0,19
Industrial Process	0,05	0,05	0,05	0,05	0,05
Agriculture, forestry and land use	0,08	0,08	0,08	0,08	0,08
Total	7,94	7,52	6,95	7,33	7,21



CURRENT STATE OF ACTION

Relevant policies and strategies

- ✓ Ljubljana **Vision** by 2025 → Ljubljana Vision by 2045
- ✓ **Sustainable energy** and climate action plan 2022 – 2030
- ✓ Strategy for a **circular city** by 2027 with the vision by 2045
- ✓ Sustainable **Urban Development** strategy of the City of Ljubljana by 2030
- ✓ Sustainable **urban mobility** plan of the City of Ljubljana by 2027
- ✓ The **Rural Development and Urban Agriculture** Strategy of the City of Ljubljana 2021 – 2027
- ✓ Strategy for the development of Ljubljana's **urban forests** 2020 – 2045
- ✓ **Zero waste** strategy
- ✓ Strategy for the development of Ljubljana as a **tourist destination** 2021 - 2027



LJUBLJANA CLIMATE NEUTRAL & SMART CITY



in October 2024



Experimental and innovative centre
Transferability to other cities

Financial support

Eligibility for project calls
(pilot and demonstrational)

Synergic connections
(good practices, peer-to-peer)

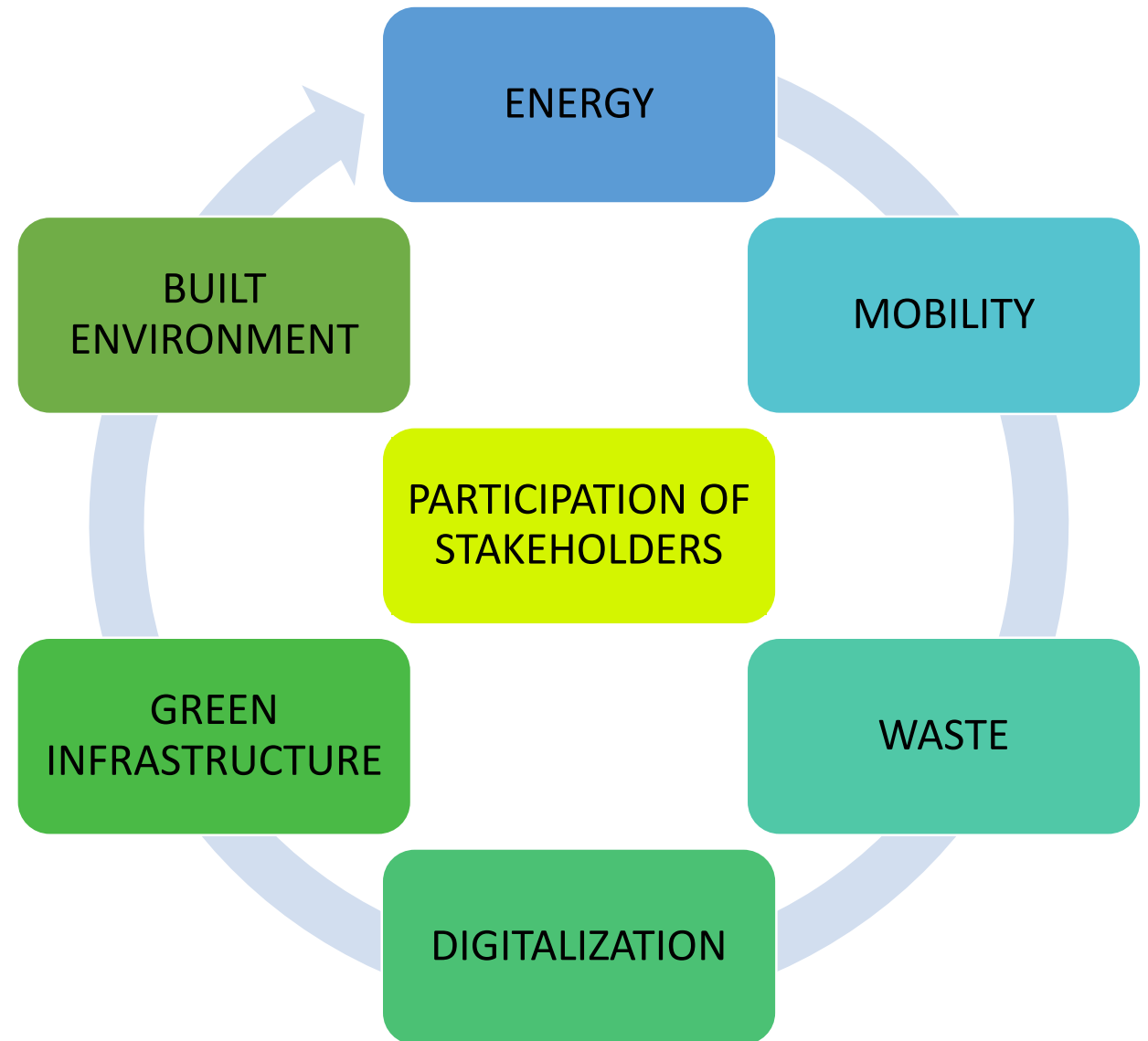
Recognition



implementation phase



PILLARS OF THE ACTION PLAN





CHALLENGES UP TO 2030

Decarbonisation of energy production

- ✓ Construction of a gas-steam unit at TE TOL
- ✓ Increase in renewable energy sources in electricity generation
- ✓ Natural gas distribution network
- ✓ Construction of a waste-to-energy facility
- ✓ Renewable energy sources (Ljubljanica river and solar plants)
- ✓ Expanding the hot water network and increasing the utilisation of district heating
- ✓ Reuse of excess heat sources (pilot project UP-SCALE)



Built environment

- ✓ Energy renovation of public and other buildings



CHALLENGES UP TO 2030

Measures related to sustainable mobility

- ✓ increasing the use of public transport use and adding new P+R stations
- ✓ electrification of transport and introduction of hydrogen
- ✓ upgrading of cycling infrastructure
- ✓ emission-free zones
- ✓ upgrading the train infrastructure



Green infrastructure

- ✓ tree planting
- ✓ greening of roofs, facades, bus stop shelters and public parking areas
- ✓ public orchards, creating water areas and greening of degraded areas
- ✓ development of allotments and protection of agricultural spaces
- ✓ Ljubljana sponge city
- ✓ development of green communal spaces in the city



Ljubljana on the path to climate neutrality

Innovation hub / climate office



INNOVATION HUB & CLIMATE OFFICE

- The **Info Point Ljubljana on the path to carbon neutrality or Mission 100** was created as part of the pilot project **UP-SCALE**, within the framework of **NetZeroCities** consortium.
- The European Commission has recognized Ljubljana's ambitions and achievements in this area, and until at least 2030, it will function as one of the pilot innovation hubs, serving as an example for other cities worldwide in achieving climate neutrality.
- In addition to Ljubljana, the municipalities of Kranj and Velenje are also participating in the pilot cities project.
- Kranj in mobility, Velenje in retrofitting, Ljubljana in (waste) heat distribution – all opening a one-stop shop



INNOVATION HUB & CLIMATE OFFICE



For:

- ✓ Citizens
- ✓ City administration and cross-departmental work
- ✓ all interested stakeholders (NGOs & SMEs, academia, private business)

Type of events:

- ✓ Workshops in capacity building
 - ✓ Counselling services (B2C, B2B)
 - ✓ Cooperation with other EU projects
 - ✓ Public events
- (lectures, workshops, roundtables, exhibitions etc.)
- ✓ Media visits and cooperation with foreign countries



Thank you.



City of
Ljubljana

