What has been done and is being done to create an urban mobility environment in Vilnius & Lithuania

sustainable mobility agenda

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Welcome to Vilnius

VILNIUS

One of the fastest growing cities in the region & economies in the EU with 600,000 residents

EU net zero mission city

A city of happy citizens with 98% happy to live in Vilnius

61% of Vilnius is covered in green

European Green Capital 2025

Not the greenest city. Yet.

Our systemic approach moving
from sustainable actions
to acting sustainably to achieve:

- Quality of life
- Climate neutrality
- Resilience, adaptation,
mitigation

Topics for balanced city and better quality of life

Environmental:

- Climate neutrality
- Green transformations
- Adaptation & mitigation

Social & Governance:

- Citizen involvement & transparency
- Digital & open city
- Health, social, economy etc.

Vilnius sustainability guidelines

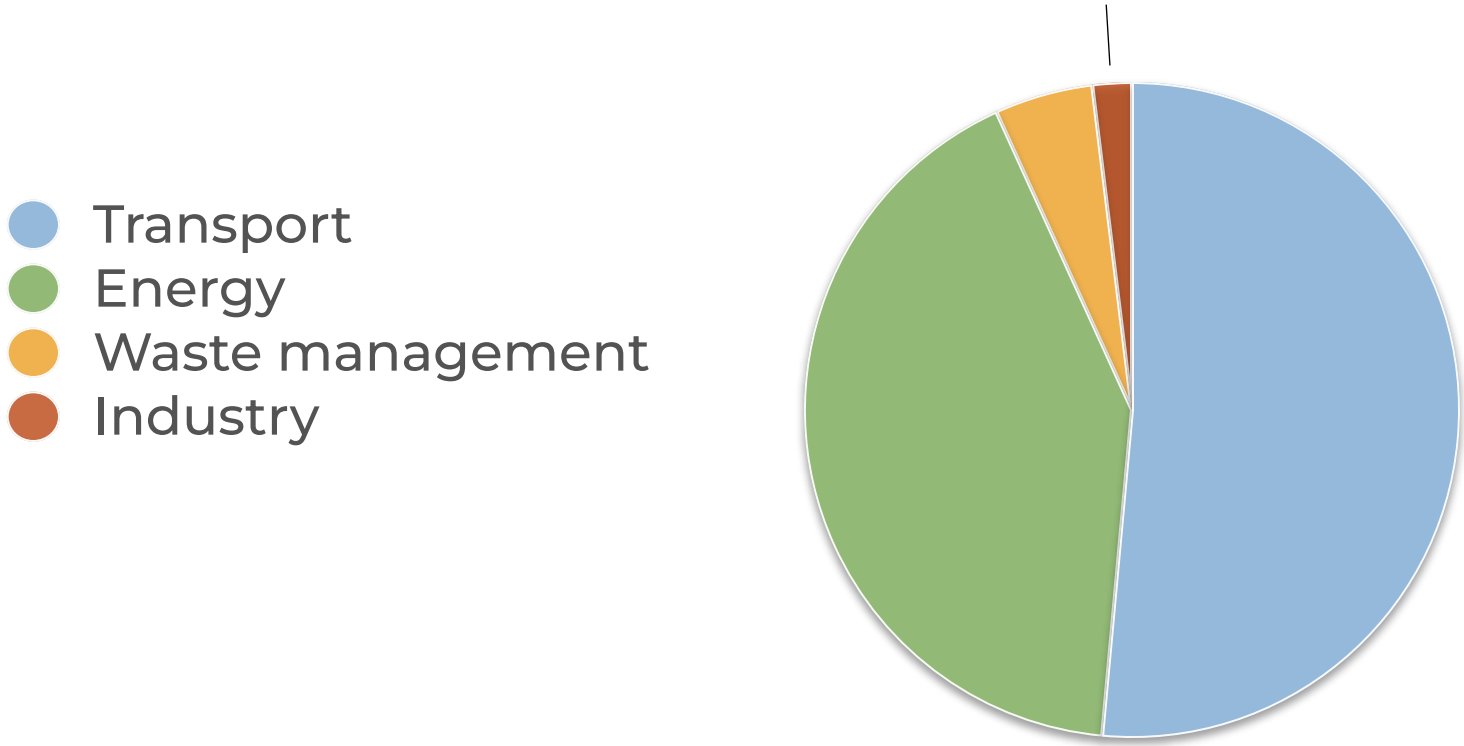
Policy documents:

- Vilnius city master plan
- Strategic development plan
- SUMP
- SECAP
- CCC & GCAP (in preparation)
- Green city accord

Other strategies:

- PT development strategy
- Eco transport development strategy
- Social services plan

Greenhouse gas emissions by sector



Focus on transport sector

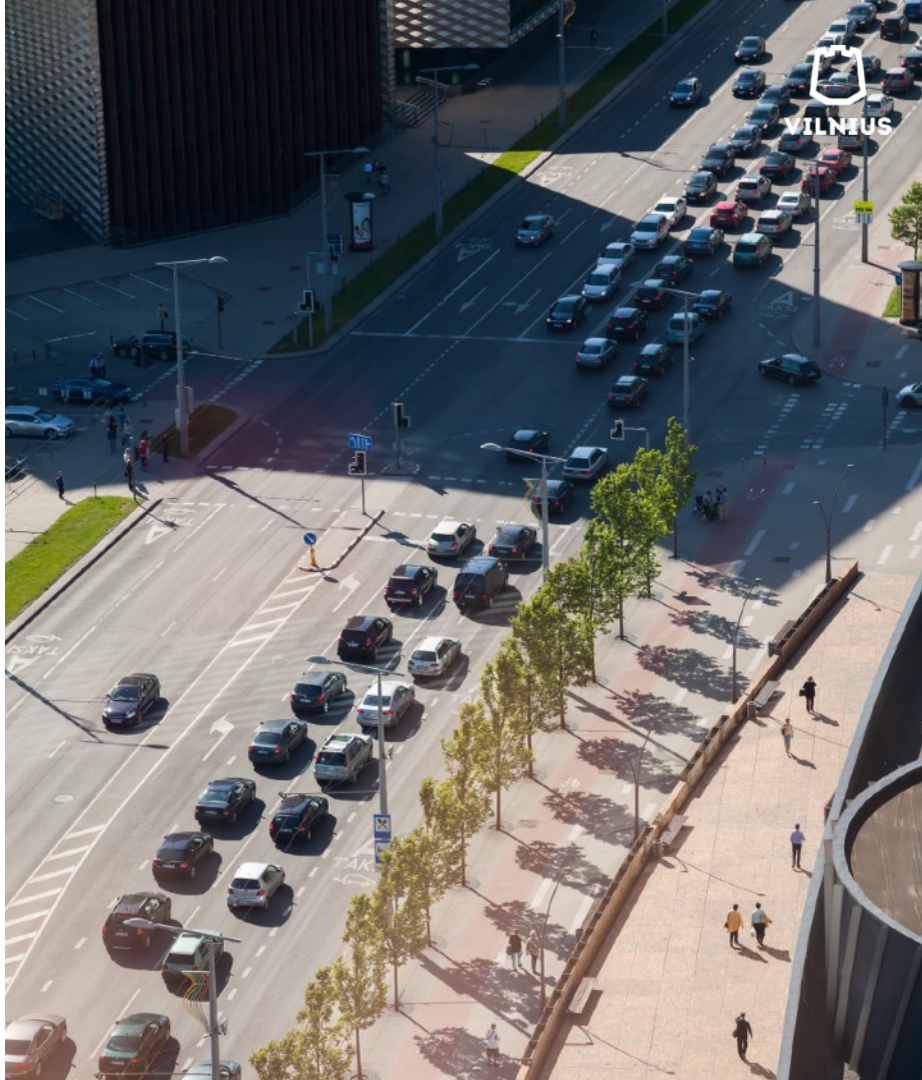
National level initiatives

- SUMPs (22 municipalities of 60)
- Low emission zones from 2025
- National Cycling Plan
- Alternative fuels, electric charging infrastructure
- More EU & RRF funding to sustainable mobility (500mEUR for public transportation, cycling infra, other SUMP actions)

Mobility & transport in Vilnius

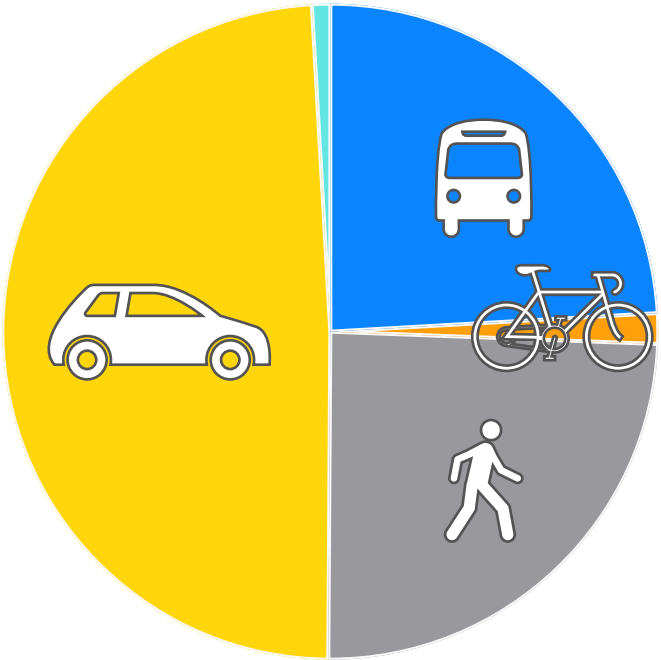
SUMP goals: increasing sustainable modes

- Street transformations
- Prioritising walking, cycling and micromobility
- Public transport system development
- (Car) mobility management

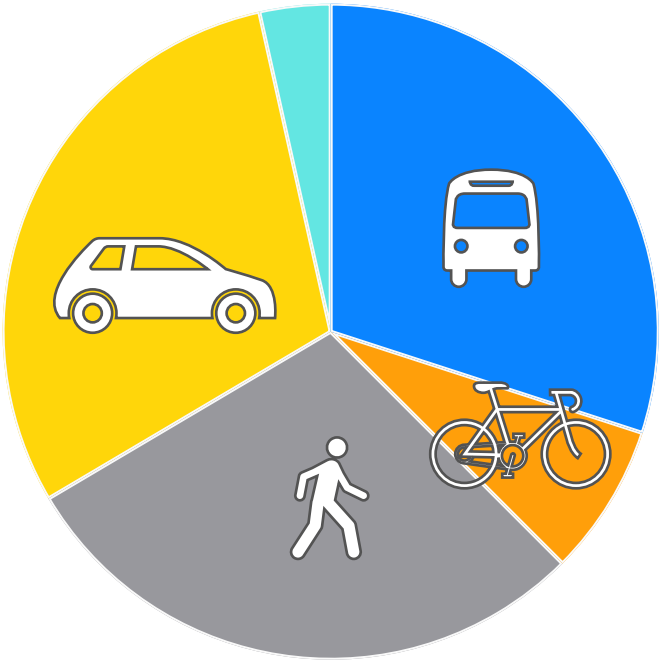


SUMP in a nutshell: mobility choices

Vilnius SUMP strategy goal: more balance

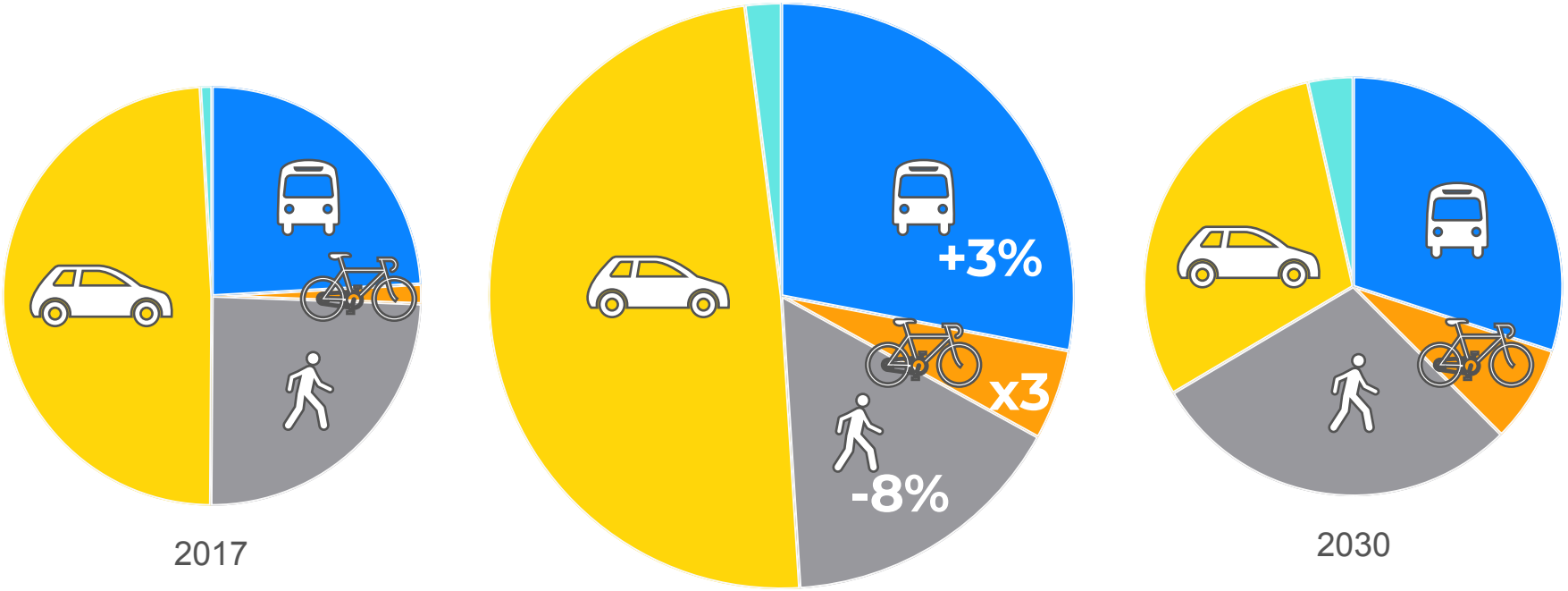


2017



2030

Investments into cycling and public transport grow the usage



2017

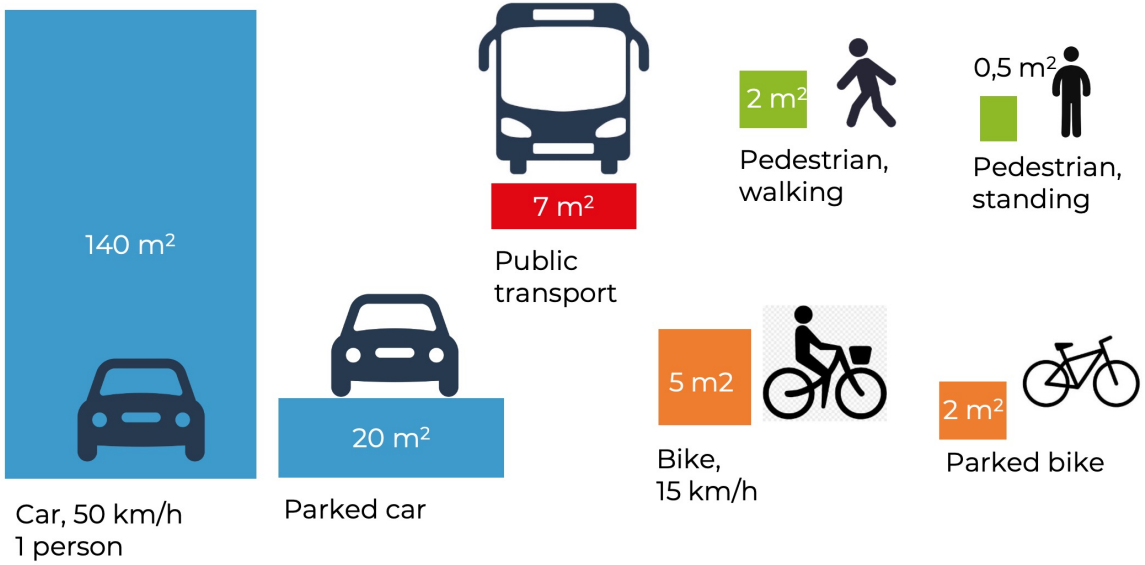
2023-2024 (vs. 2017)

2030

Negative impact & Space usage

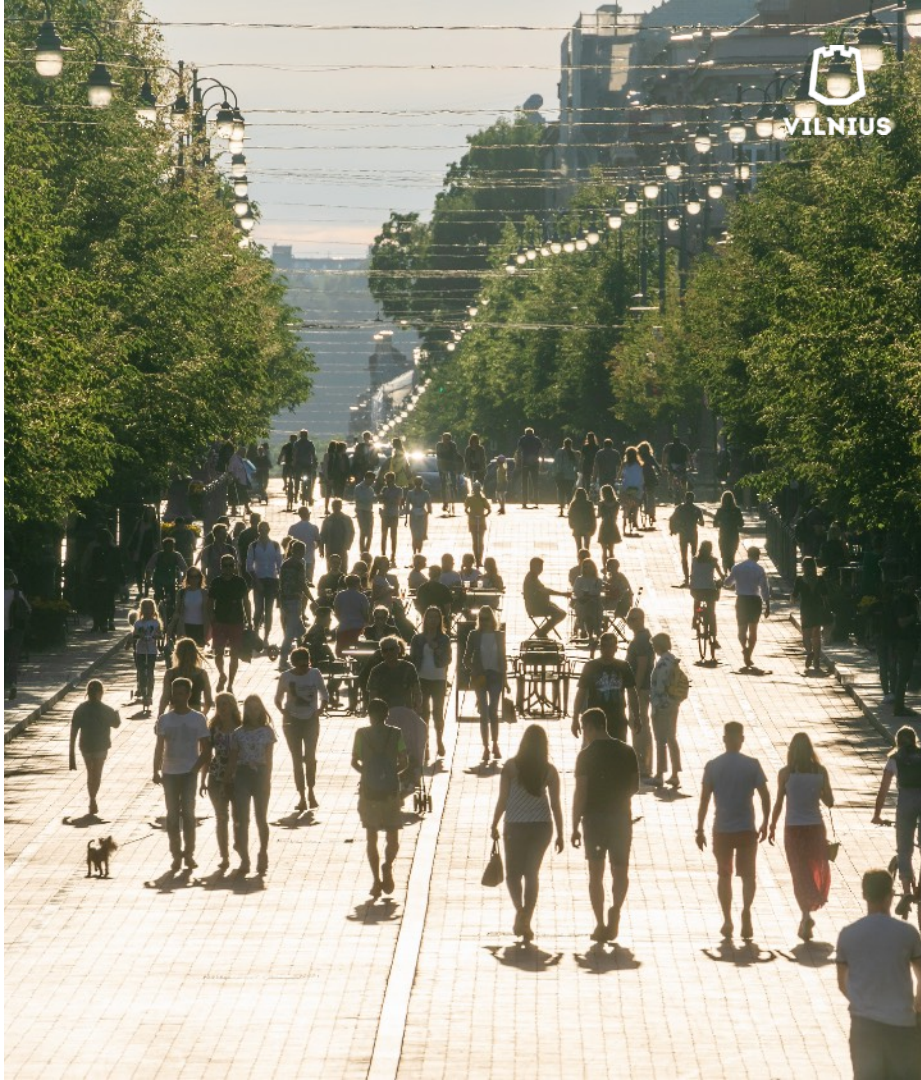
- Noise
- Pollution
- Time in traffic
- Safety
- Health
- Money

Šaltinis: KiM Netherlands



Walking

- Better environment for vulnerable users
- Focus on all users
- Wider sidewalks for pedestrians as a standard
- Shorter waiting times at the intersections



Cycling

- Systemic work since 2017
- Completion of cycling network: from 30 km to 170+ km
- ~15 km of new cycle lanes every year until 2027
- In areas with a developed cycle network, 5% of journeys are made by bicycle
- Slow streets as part of the network, cycling streets as new type of road
- Bike parking facilities

Vilnius cycling infra evolution in a nutshell

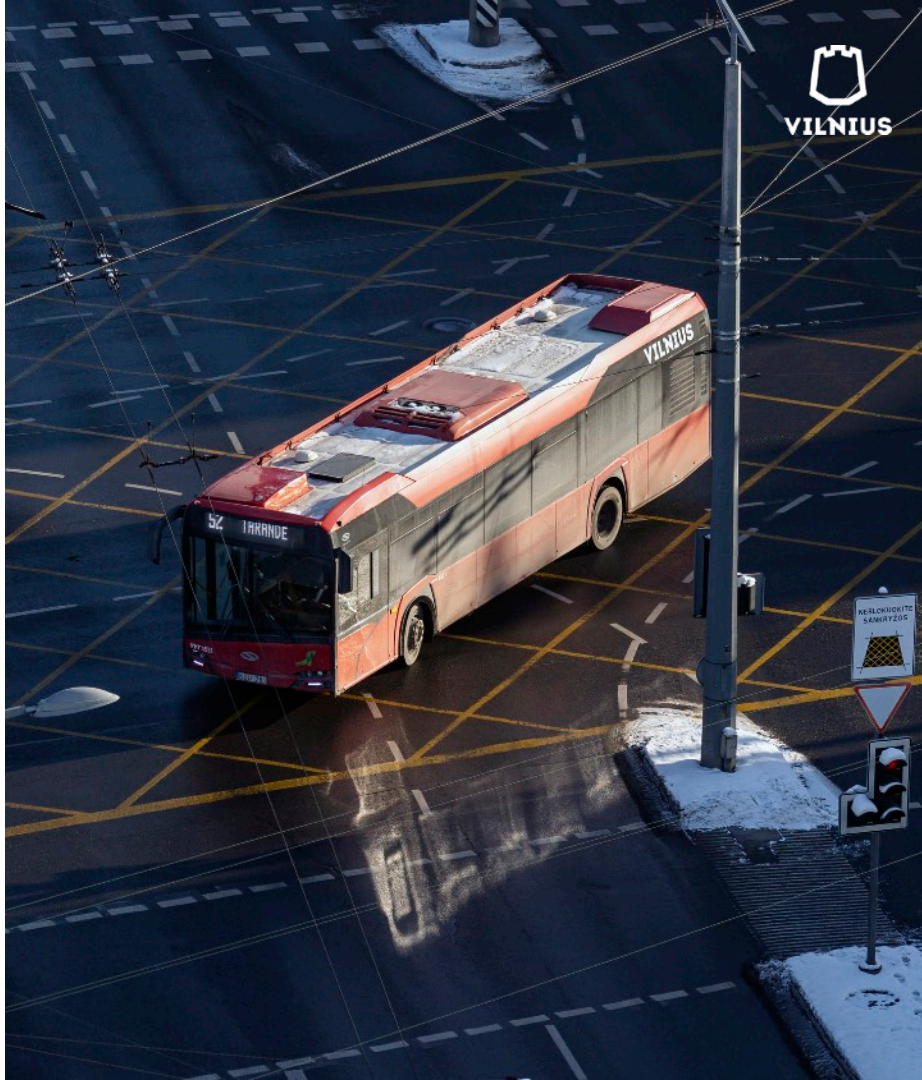
Public transport

Planned by 2028:

- 54% more frequent service
- 12 new routes
- 23,8 million km more

By 2030 in Vilnius:

- 60% electric, 40% alternative fuels public transport
- 23,4 km additional bus lanes



Smart policies as soft measures for sustainable change

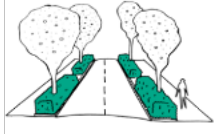
- Quality architecture principles for better urban environment
- Street design guide with 12 principles for liveable streets

Aim at having better streets

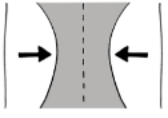
- Lively streets start with design: more space for pedestrians, active ground floors, calmer traffic contribute to better social connections
- Street redesign becomes and opportunity to protect green spaces, increase safety & improve environment
- More initiatives and involvement of residents

12 principles for better streets

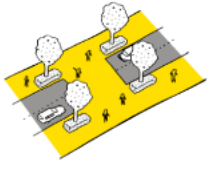
01. Trees always first



02. Trees & bushes as a buffer

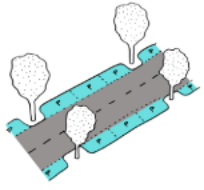


03. Streets as narrow as possible



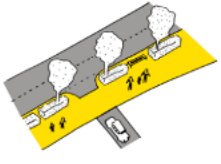
04. More safe crossings

05. Street lighting priority for pedestrians

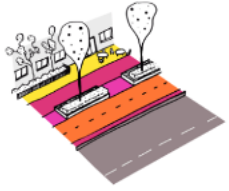


06. Side parking with trees in between

07. Black elements for architectual distinction



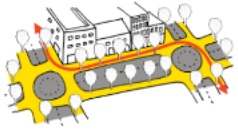
08. Pavement as a symbol of priority



09. Functional surfaces

10. Declutter

11. Space ‘ownership’ at the façade



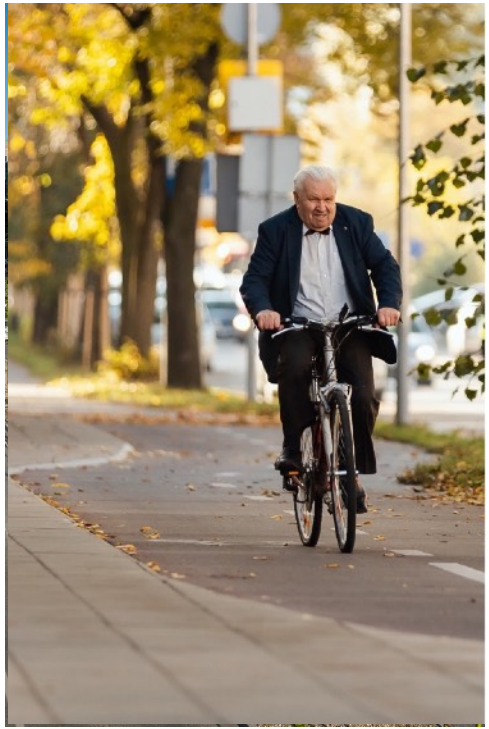
12. Smaller intersections

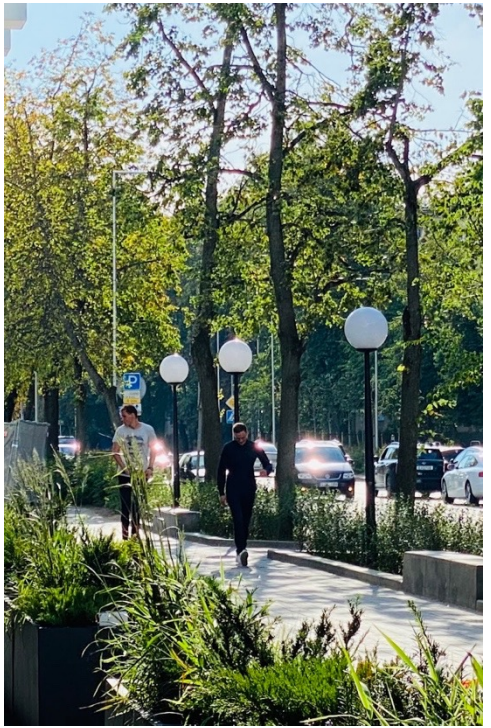
Street transformations

- Loop traffic circulation in the Old Town has proved to be a success
- Transformed streets with calm traffic are 50% safer and up to 10 dB quieter

- Happy to test new approaches! **GreenMe5** and **Just streets** pilot projects in the making.

Making streets as public spaces: livable and even inspiring





Green Wave Initiative

- Protect existing green space, attention to biodiversity
- Up to 2030 planned to plant:
  - 100 000 trees (including self seeded ones)
  - 10 000 000 shrubs
  - 300 000 vines
- Active involvement of communities and businesses
- Sustainable mowing

Taking care of the street surface

- 220+ km of renovated streets in two years
- Criteria for renewal - data from street scanning plus usage (both public and private transport flows)
- Better coordination between different communication owners - shared planing platform has been introduced

Electric vehicles

Vilnius Lighting company plans:

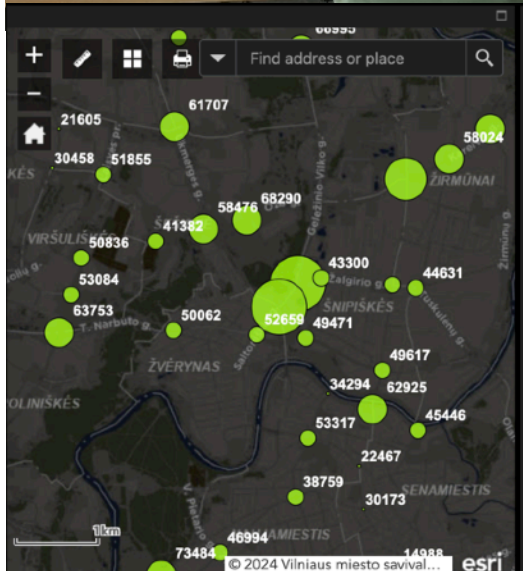
- 250 charging stations by 2025

Two types of chargers:

- On street lighting poles (works when lighting is on)
- Stationary (works 24/7)

Urban mobility data

- Data taken from mobile operators: tracks movement and OD of people, analyses the data
- Learning to track cars, public transport, bicycles, pedestrians
- More sensors for data on intersection usage and load



Importance of citizen involvement

- More discussions: both on a street or neighbourhood scale or with groups of stakeholders
- Citizens' assembly
- Projects up for voting: participatory budgets
- More agreement of green goals

Vilnius - European Green Capital 2025

An incentive to further improve the city's sustainability in different areas

Focus on climate change, biodiversity, sustainable management and green transformation

2025
Vilnius – European Green Capital
Welcome to Vilnius: greenest city in the making