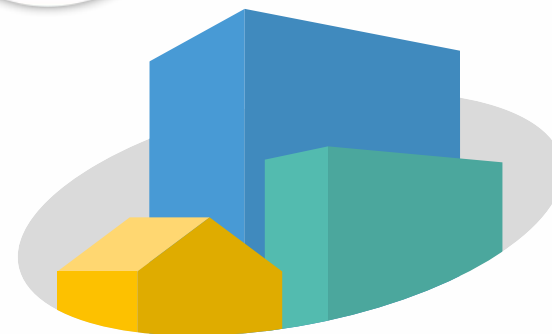


TARTU PAMPLONA GENK



oPEN Call - Tartu

20th of January 2023



oPEN Lab

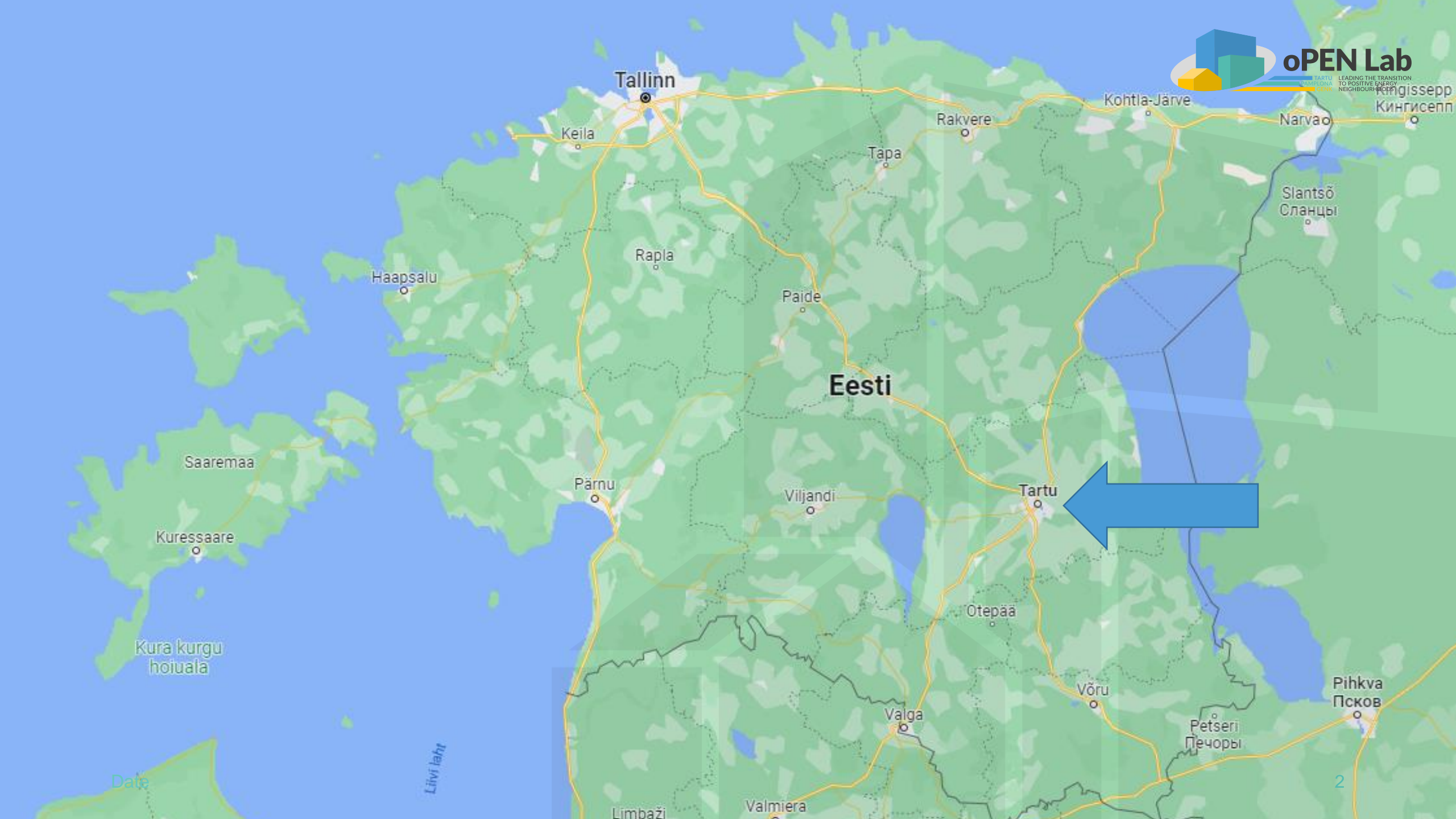
TARTU
PAMPLONA
GENK

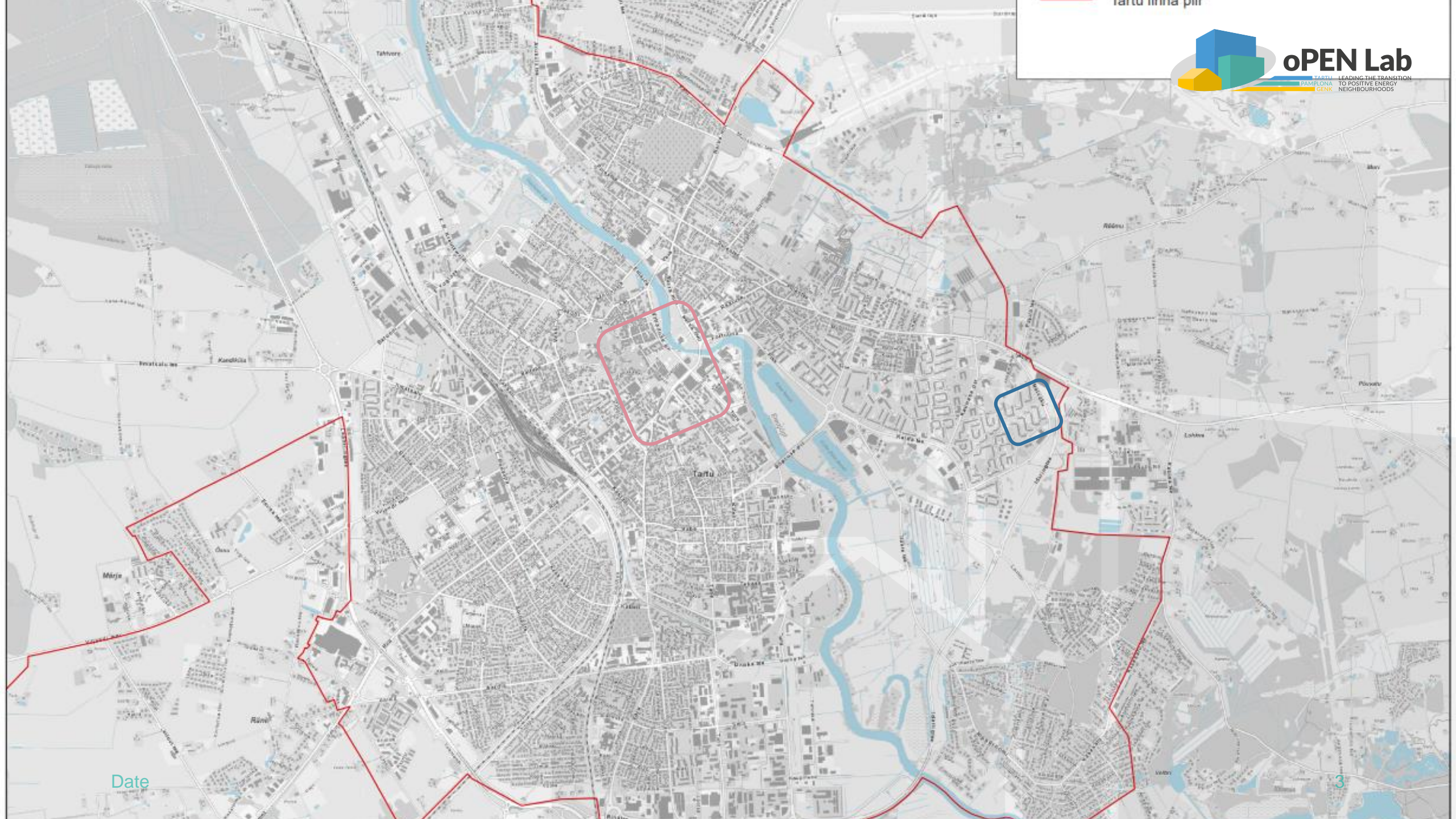
LEADING THE TRANSITION
TO POSITIVE ENERGY
NEIGHBOURHOODS



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 101037080.

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The goal in Tartu

Renovate 3 to 4 buildings with 20 000m total size

Technologies:

- nZEB level energy efficiency
- Deep renovation
- Prefabricated element renovation
- Renewable energy production and storage

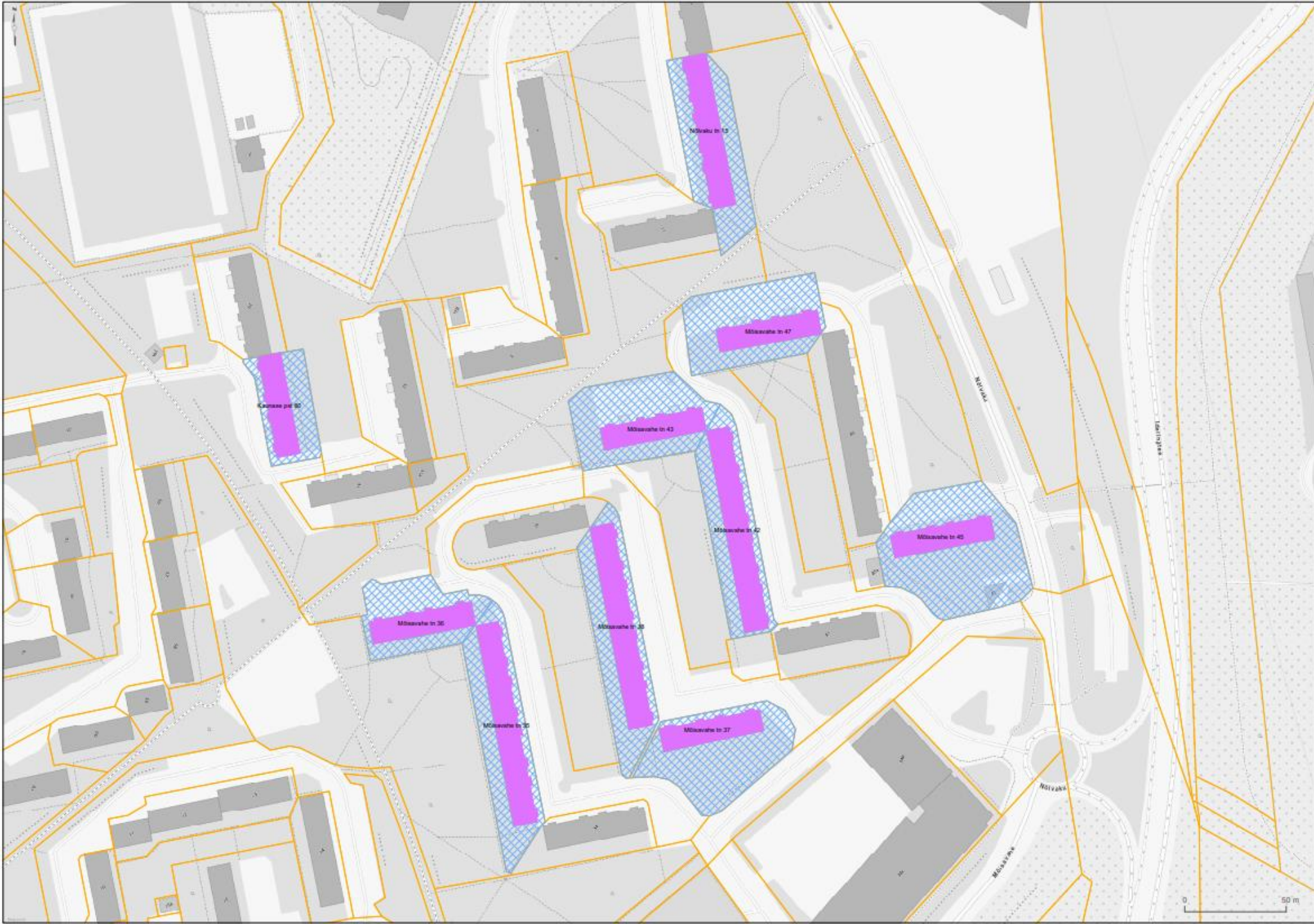
TECHNICAL CHALLENGE 1:

Demand-based ventilation management

- Create a centralized heat recovering ventilation system relying on CO2 sensors in the apartments to efficiently manage centrally provided air flow.
- Reduce costs of ventilation management in buildings of the Annelinn area, thus improving maintenance systems

TECHNICAL CHALLENGE 2: Efficient and secure bike storage

- Create secure bike storage solutions providing at least one bike storage spot per apartment, next to the buildings at the street level.
- Increase the use of bikes towards cars in the Annelinn area in Tartu City



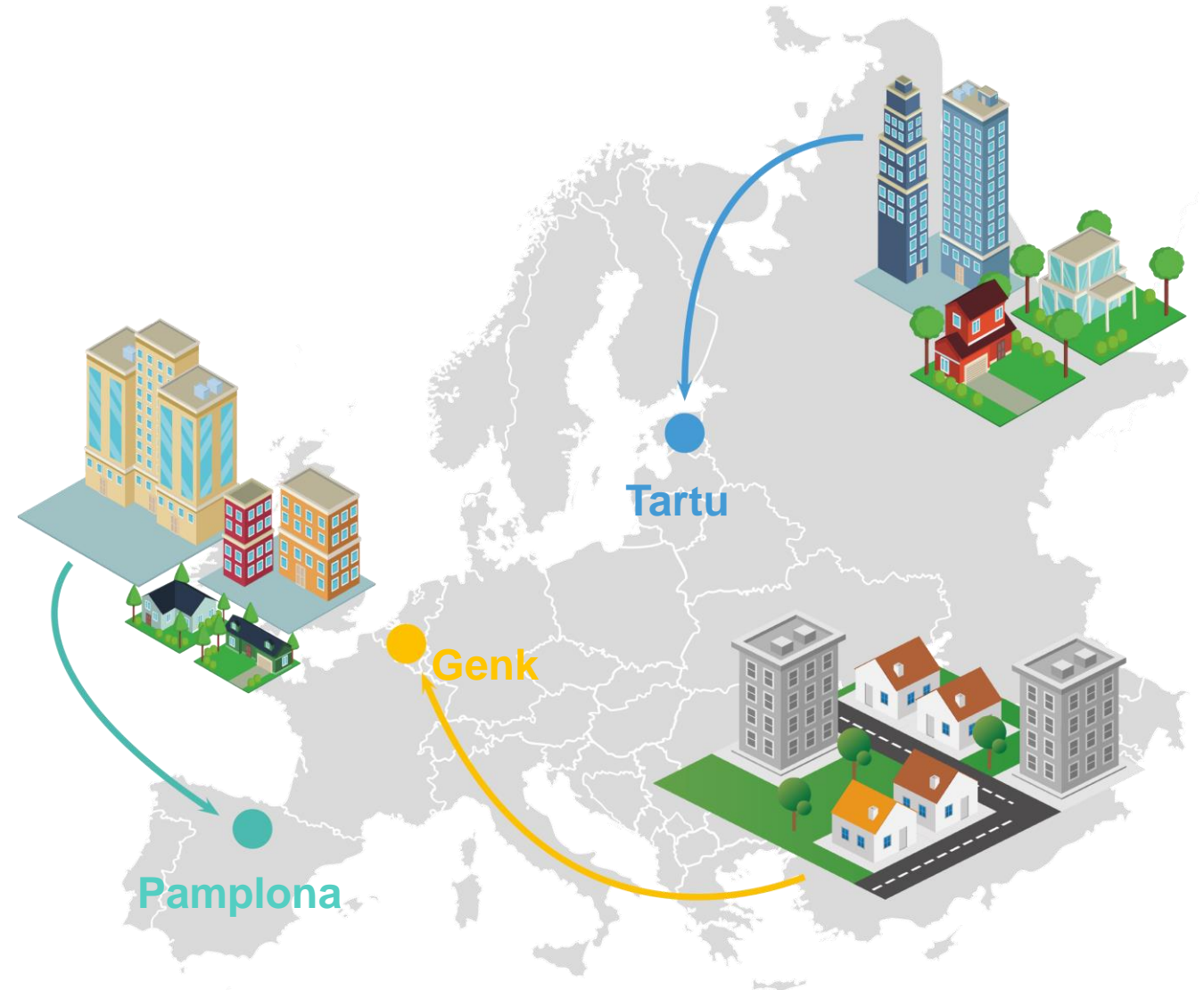
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