

LAHTI

planning of a sustainable city

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LAHTI

**Lahti is located in Southern Finland,
100 km from the capital of Finland, Helsinki.**



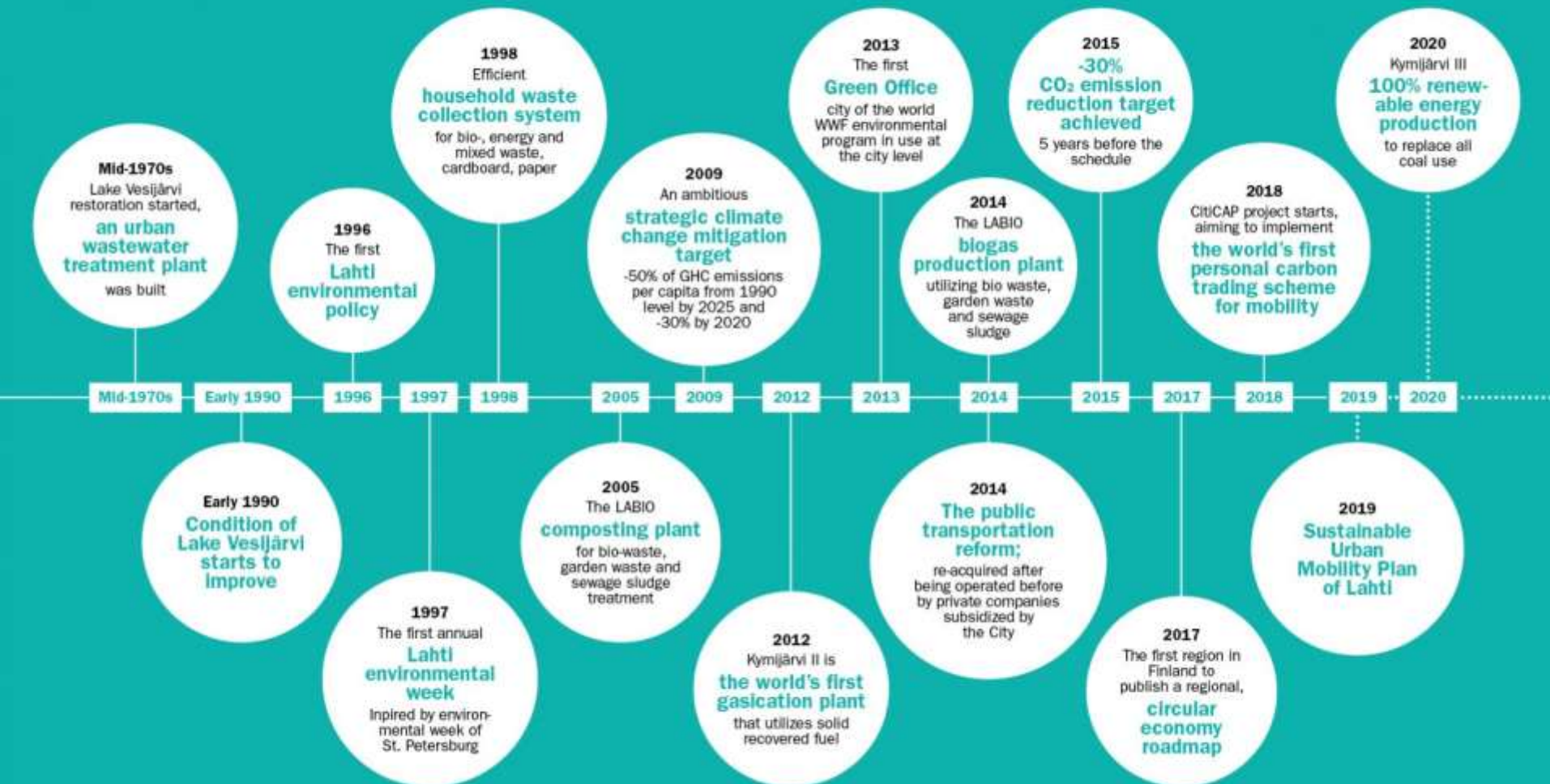
- The population of Lahti is 120 000.
- Over 80% of population lives in urbanized areas.
- Over 70% of residents live within 5 km of the urban core.
- Nine out of ten have an urban green area within 300 m from home.



Green City with history and future



LAHTI

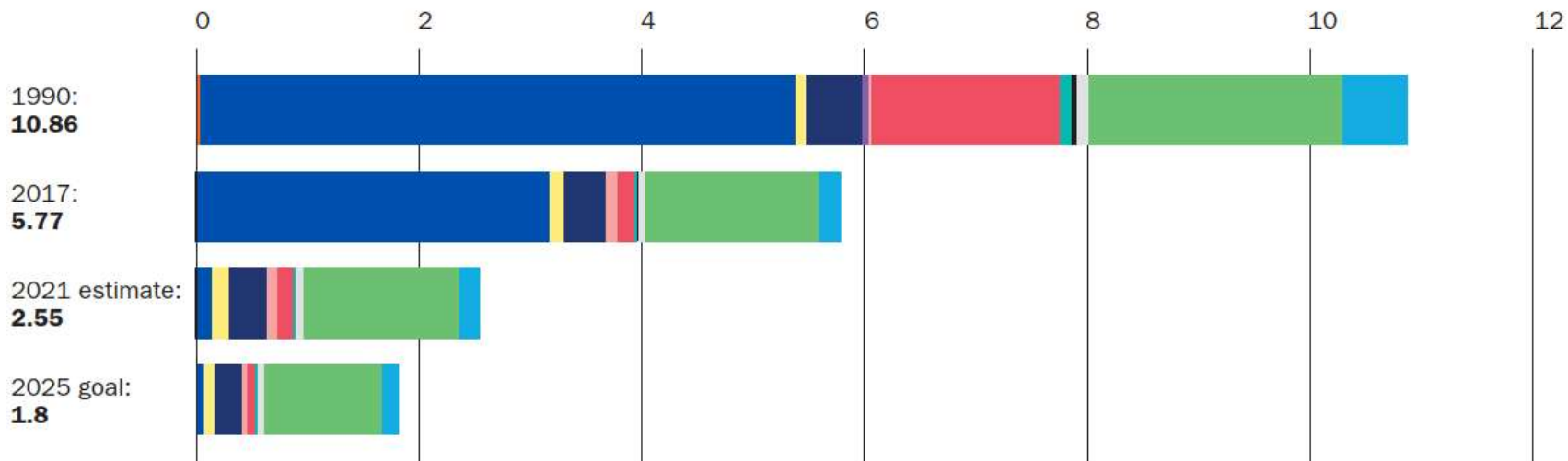


District heating production GWh



CO₂ Emissions in Lahti

*production based, per inhabitant



Separate electricity production

Combined process power

Fuels in forestry and agriculture

District heating CHP

Process power plants

Agriculture

District heating

Other energy in industry

Transport

Separate heating of houses

Industrial processes

Waste

Lahti Strategy and Vision for 2030

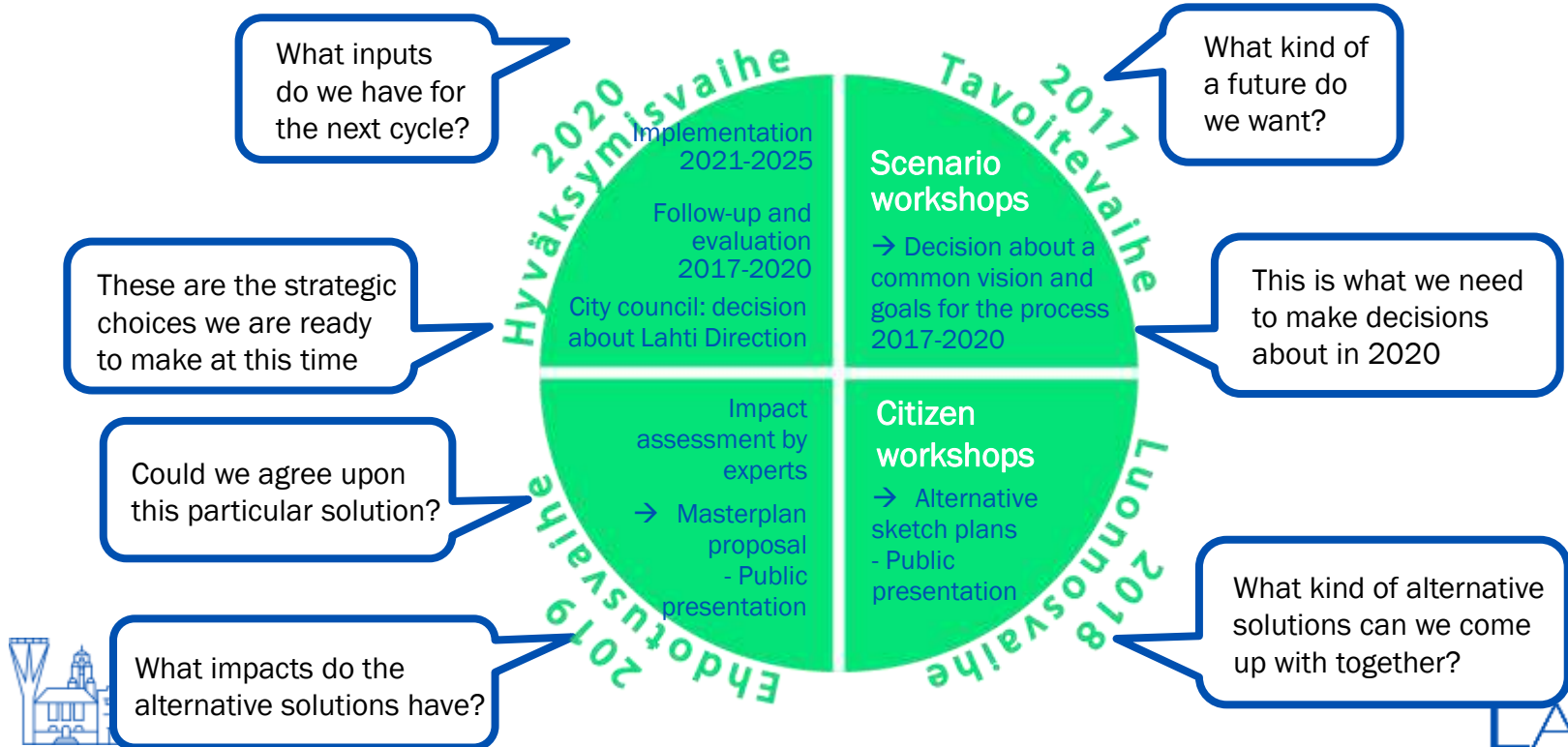


An aerial photograph of a city, likely Helsinki, showing a dense urban area with various buildings, green spaces, and a large forested area in the background. A tall, white and orange lattice communication tower stands prominently in the foreground, extending from the bottom center towards the top of the frame. The sky is clear and blue.

**Forming the big picture in
continuous master planning process**

Lahti Direction process 2017–2020

Strategy → Masterplan – Sustainable Urban Mobility Plan – Environmental Program – Services Program



Building knowledge in interactive process: We learn together with experts and researchers...

Kaupunkitalous

Mahdollistaako yleiskaava:

- monipuolisen elinkeino-rakenteen kehittymisen,
- Kävelyn, pyöräilyn ja joukkoliikenteen osuuden kasvamisen,
- riittävän joustavuuden tulevaisuuden asumisen kysynnän tyydyttämiselle?

Palveluverkko

- Miten palvelukonsepti 2012 näkyy yleiskaavassa?
- Miten muissa näkökulmissa näkyy palveluverkko?
- Mitä palveluverkko maksaa?

Lapsiystävällisyys

- Pystyykö lapsi liikkumaan itsenäisesti?
- Onko lapsille houkuttelevia kohteita muuallakin kuin leikkipaikoilla?
- Mahdollistaako yleiskaava lapsiystävällisten yhteisöjen muodostumisen?

Kävely ja pyöräily

- Palveleeko yk-ratkaisu kaikkia väestöryhmiä?
- Kasvaako kävelyn ja pyöräilyn osuus?
- Mihin ja keihin muutos kohdistuu?



... and with citizens and decision-makers.

LAHTI



**My Lahti
service
promise**

**Concept: How we work together –
especially with citizens**

LAHTI

**Plans are based on up-to-date
geospatial information**

*Knowledge built
by experts and
citizens*

**GIS
& distribution
channels**

Plans
Implementation
Follow-up
Strategy

**We build knowledge for the future of the city
in the continuous master planning process.**

LAHTI

**Strategically important issues can
be written into plan regulations**



STRATEGIC FEATURES OF MASTER PLAN SALPAUSSELKÄ SAND RIDGE



SALPAUSSELKÄ. THE FOUNDATION OF THE VITAL AND ATTRACTIVE ENVIRONMENTALLY FOCUSED CITY.

The significance of the sand ridge for the landscape, geology, ground water, natural environment, climate, cultural history and recreation shall be taken into account in land-use planning and building.



A

RESIDENTIAL AREA.

The area is reserved mainly for residential functions. **When positioning services, attention should be paid to accessibility on foot, by bicycle and by public transport.** In planning and building neighbourhoods special attention should be paid to the safety and comfort of the living environment.

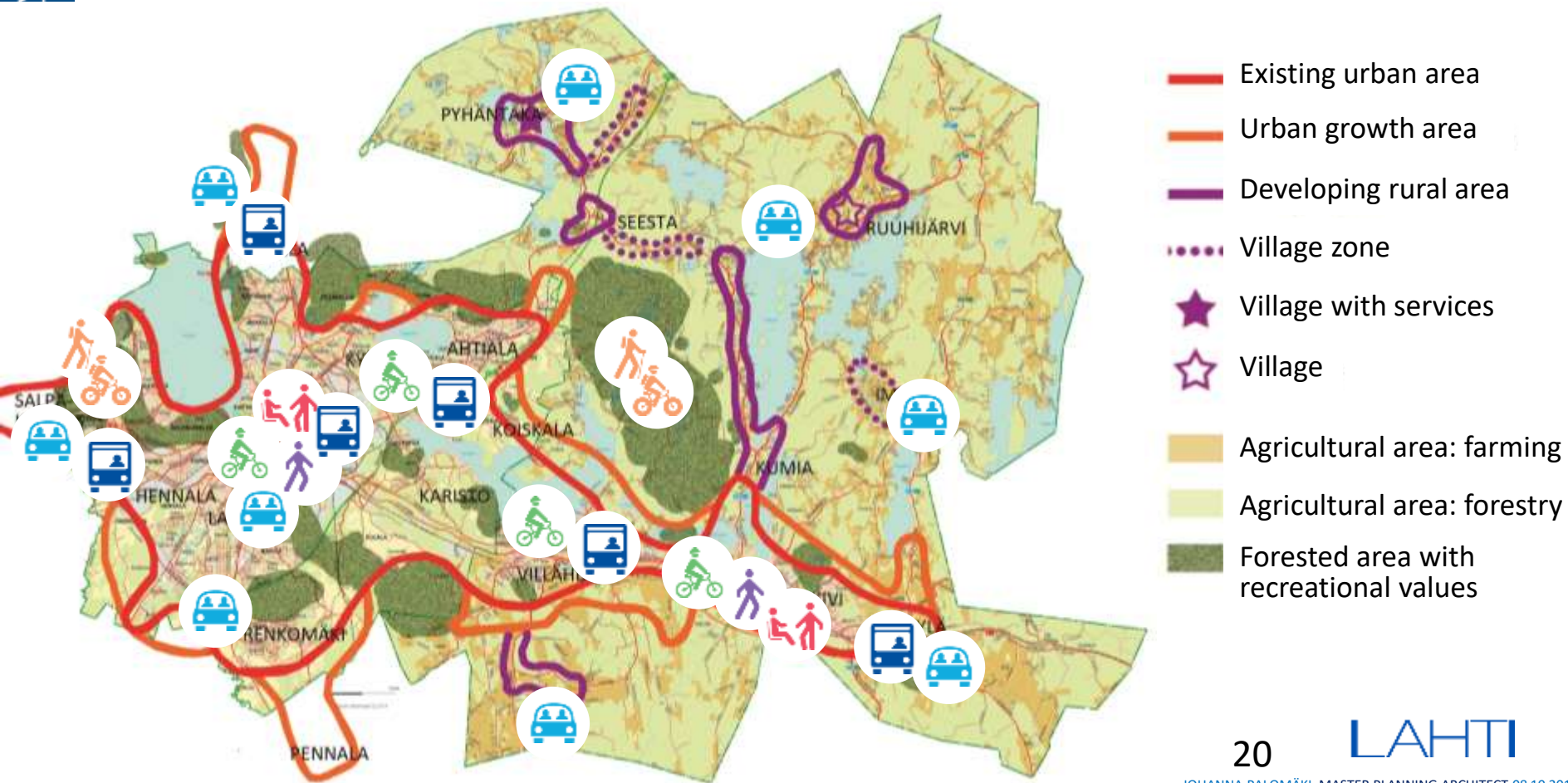
Planning for people – Now we are developing our processes from Master planning to Maintenance



Integrating urban and mobility planning



Different areas support different modes of travel.



From nature to city - Urban transect



An aerial photograph of a city, likely Lahti, Finland, showing a mix of urban development and green spaces. A prominent red and white lattice communication tower stands in the foreground, extending from the bottom center towards the top of the frame. The city below is characterized by numerous multi-story apartment buildings with varied roof colors (red, green, blue). Lush green trees are interspersed throughout the urban landscape. In the far distance, a dense forest covers the horizon under a clear blue sky. The text "Sustainable Urban mobility Plan as part of the Lahti Direction" is overlaid in white, sans-serif font across the middle of the image.

Sustainable Urban mobility Plan as part of the Lahti Direction

Challenge:

CO₂ emissions in the transport sector

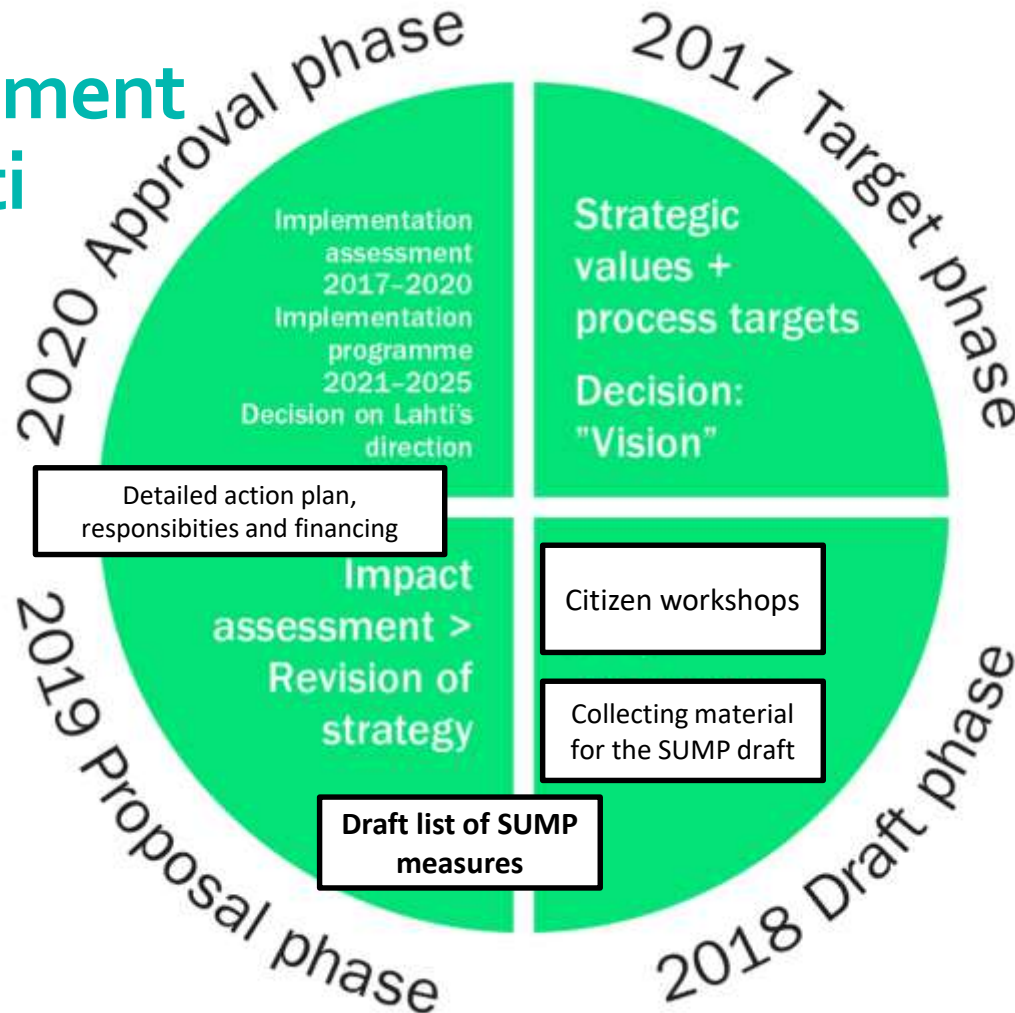
OUR GOAL:
MODAL SHARE IN 2030



What is a Sustainable Urban Mobility Plan alias SUMP?

- Based on the EU-framework and guidelines
- Strategic planning tool for local level
- Takes all transport modes into consideration
- Goal to solve urban mobility related problems
- Helps to achieve the economic and social objectives of the city

SUMP development process in Lahti



RELATION BETWEEN THE MASTERPLAN AND THE SUMP

THE MASTERPLAN IS THE IMAGE OF THE STRATEGY

- City-wide general land-use and traffic network plan since 2009
- Shows where various functions are situated, such as services, livelihoods, dwelling and green areas
- Becomes legally binding with the decision by the city council

"City in the front yard, nature in the backyard"



PHYSICAL ENVIRONMENT

THE SUSTAINABLE URBAN MOBILITY PLAN ILLUSTRATES THE DYNAMICS OF THE CITY

- Vision and goals for sustainable mobility in the urban area for the first time in 2017-2020
- Encompasses all modes of transport
- Is based on the city strategy and requires the whole community's input

"Get hold on the overall picture"



WISE EVERYDAY CHOICES



Our SUMP measures

Divided in five clusters:

Improving cycling and walking

- Cycling network
- First aid for the cycling routes
- Winter maintenance

Mobility management

- Mobility management plans for schools and city employees

Traffic safety

- Traffic safety plan

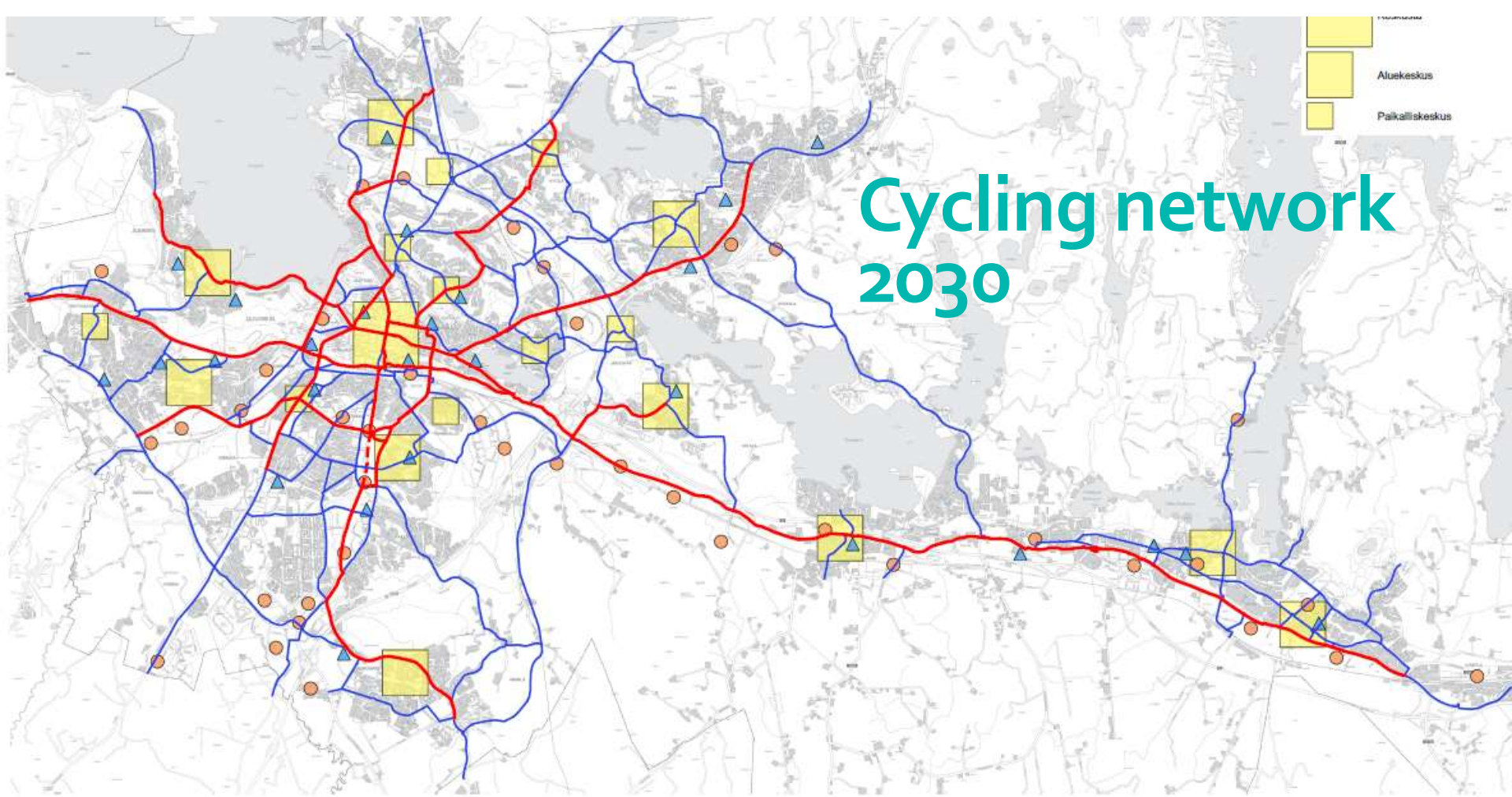
Public transport, digitalization, travel chain

- Trunk network
- Park and ride
- Open data and personal carbon trading
- Bike sharing system

Liveable city center

- Parking
- Traffic calming measures
- Walkability

Cycling network 2030



LAHTI IS THE FIRST CITY TO PILOT PERSONAL CARBON TRADING ON MOBILITY EMISSIONS

APPLICATION
LAUNCH IN
SEPTEMBER 2019



GREENLAHTI.FI/EN



LAHTI

Tack!

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