

Spatial Energy Plan

Spatial energy plan is a geographical information system that supports the data collection, analysis, and visualization in a format of maps of energy potential, energy supply and consumption in Lviv. As a tool for developers of energy solutions and a beta version of a digital twin of the energy infrastructure of Lviv, it provides opportunities to create algorithms for data analysis and justification of innovative actions, as well as a continuous process of joint creation, justification and implementation of short-, medium- and long-term measures related to the development and implementation of innovative energy solutions.

Data-Driven Sustainable Mobility Plan

Software for modelling traffic and calculating CO2 emissions from the transport that will be used for justification of mobility solutions in Lviv. By receiving tools in the type of PTV VISUM and PTV VISSIM software based on a digital copy of the Lviv, which includes data on the city's street and road network, socio-demographic statistics, takes into account all traffic participants with the peculiarities of their interaction, and by being able to conduct transport modeling at the microscopic level (projects of integrated traffic management schemes), the city will create conditions for sustainable development, improved mobility, and sound decision-making on street and road reconstruction projects.

ICT Ecosystems for PED

SPARCS ICT Ecosystem for Lviv has a main objective to accelerate the development and integration of smart city solutions in Lviv through developing and validating the governance model validated already in Espoo and Leipzig within the SPARCS project - SPARCS ICT Ecosystem. The ICT platform developed according to the SPARCS ICT Reference Architecture and validated with real-time data related to the elevator infrastructure in Lviv will become the key enabler of the Regulation on ICT Ecosystem for Smart Municipal Infrastructure Development in Lviv (local policy).

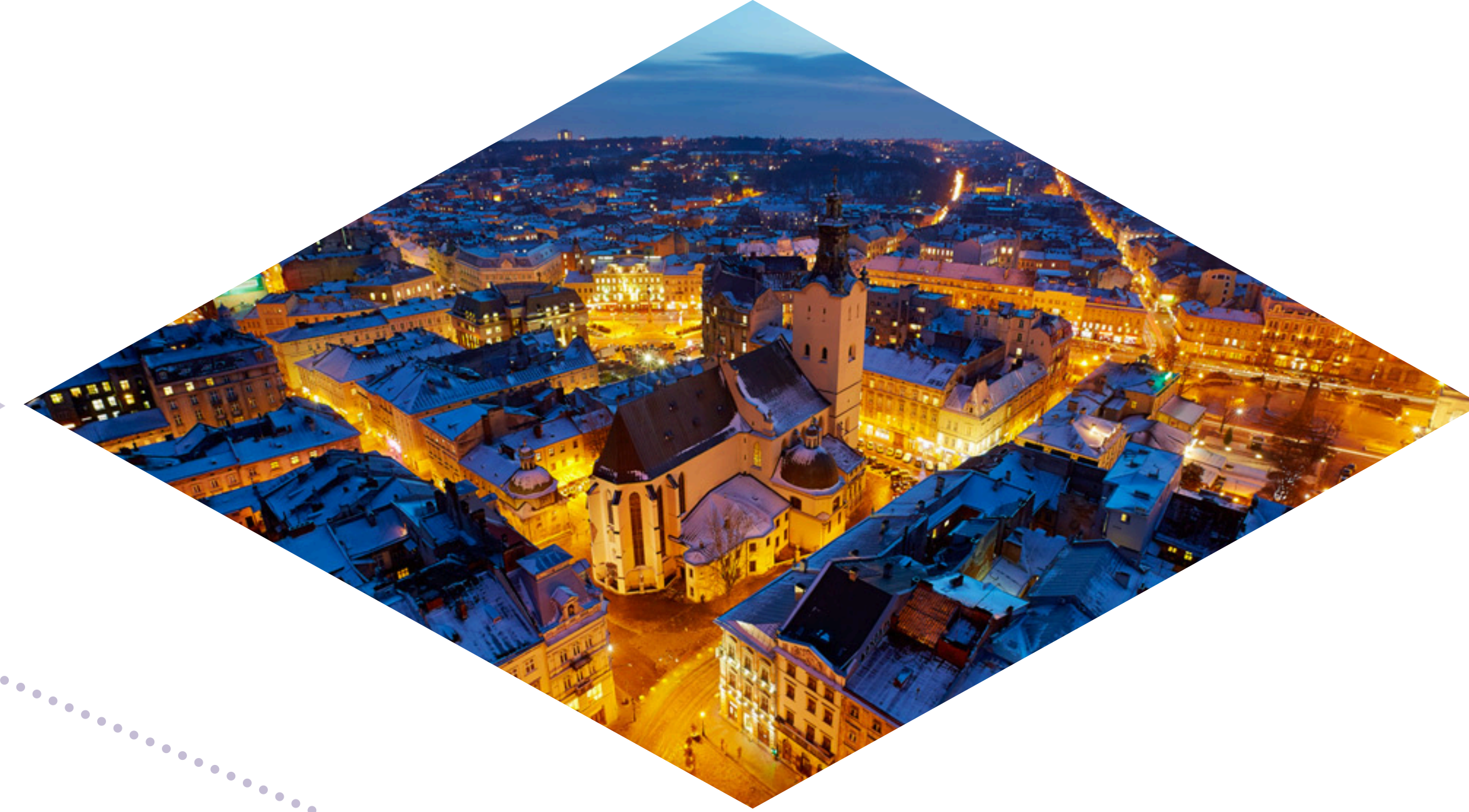
Road Map of Urban Transformation

The status of Lviv carbon-neutral in 2050 remains a very ambitious goal for the city and at the same time a long and difficult one. Achieving it requires a large number of initiatives, efforts and stakeholders. This document is a continuation and update of strategic steps to achieve this goal, established in 2020. The resulting ideal image of climate-neutral Lviv 2050 is called City Vision Lviv 2050 and this report focusses on the roadmap to achieve that envisioned goal.

Status Quo of the city

Start working with city departments to develop strategic documents in the context of achieving climate neutrality and energy efficiency. Start of development of SECAP.

2019



City Vision 2050

Lviv climate-neutral in 2050? A very ambitious goal that needs consolidated efforts of all stakeholders and combination of top-down with bottom-up initiatives. We set that goal as the City Vision Lviv 2050 and concentrate on three main strategic areas that will define our future development: spatial development, mobility and infrastructure and housing. It is a co-shared agreement on what the city future would ideally and ambitiously look like.

2020



2021



Implementation plan

The Implementation Plan Lviv is designed to be used as a roadmap of solutions for the city for tackling energy and mobility challenges. The focus areas are the development of positive energy districts and the transformation of Lviv into a climate neutral city. The projects defined in the 'Implementation Plan Lviv' aimed at enabling collaboration and joint development of innovative solutions in the energy and mobility sectors. These solutions aim to bring innovations and transform the city in short-, middle- but also long-term.

2022



2023



2024

Plans in future

The city of Lviv plans further to use the practices learned in the project. Within the framework of the spatial energy plan, it is planned to create new layers that will encourage energy efficiency in the city. Data-Driven Sustainable Mobility Plan project will continue developing new models that will help to form a new transportation network in the city.

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