



BUD_01: To improve the efficiency and convenience of PT service

Activities towards demonstration (How?)

Completion of the preparation activities

Collection of results household survey

BKK is working on the Public Transport Network Strategy for Budapest, which is a sub-strategy of the city's SUMP. This UPPER measure supports the goals of this sub-strategy, as the operational modelling of public transport modifications is its backbone and must be reliable. To make the public transport layer of the model more reliable for operational modifications, a comprehensive update is necessary. One of the most important parts of this update is collecting reliable data from citizens – specifically, when, how much, and how they are traveling. Travel habits have changed during the COVID pandemic, as evidenced by the difference in passenger numbers compared to pre-COVID levels. We know that this is partly due to the increase in remote work, but we lack detailed data on this. To better understand the changed travel habits, a large-scale household survey must be conducted in Budapest and its surrounding areas. This household survey must be representative in terms of area, household size, and age.

Based on BKK's experiences from previous household surveys and discussions with experts, it was decided that a sample of 12,000 households would be sufficient.

A technical description has been prepared, and through an open tender, BKK has selected a company to implement the household survey, following the predefined criteria, between May and July 2024.

The survey has started with larger households, where school-aged children are most likely to be living.

Preliminary works

Data processing

Data collected through the household survey will be processed. Additionally, data will be collected from several other sources, including the results of the Hungarian census (2022), which provide data about the number of inhabitants in different zones, cross-section traffic data from loop detectors and cameras, public transport boarding numbers, a company database that provides data about workplaces in different zones, and other minor data sources.

Deployment and integration

Unified Transport Model update

The complex model update will be finished in late 2024.

Demonstration activities

Validate the updated model

Once the model update is ready, the modelling results applied in the Public Transport Network Strategy will be reviewed and, where necessary, updated based on the results of the updated model.

Modelling public development projects

Furthermore, individual network modifications will also be investigated by the new model, and decisions about implementation will be made based on the model's results. This will lead to more reliable and data-driven decisions than previously.

