

BTMS

Bucharest Traffic Management System

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C I S M O B

Cooperative information platform for low carbon and sustainable mobility

CONSIDERING:

1. The EU aims to be climate-neutral by 2050 – an economy with net-zero greenhouse gas emissions. This objective is at the heart of the European Green Deal.

2. The **SUMP operational objectives** (Improving road safety and security, Reducing air and noise pollution, greenhouse gas emissions and energy consumption, Improving the efficiency and economic efficiency of passenger and freight transport, Increasing the attractiveness and quality of the urban environment and urban design for the benefit of citizens, the economy and society as a whole).

3. The ***SUMP transport policies*** (improving public transport, road safety, integrating mobility with urban planning, mobility management and ITS).

4. The ***Transport Model*** must be kept current (periodically calibrated) to best reflect the traffic situation in the city (Upgrading the model infrastructure, road structure changes, traffic light changes, one-way streets, creation of dedicated lanes and Periodic calibration of the model, Calibration of OD (Origin-Destination) matrices and modal quota for each mode of transport can be done periodically, using real-time traffic data measured by BTMS)- this is the responsibility of TPBI.

The TPBI defined the integrated project: ***Modernization and extension of the intelligent traffic light system (Integrated Traffic Management System in Bucharest-Ilfov) and prioritization of public transport vehicles, in order to increase road safety, traffic flow, reduce pollution and elaborated a technical-economic study.***





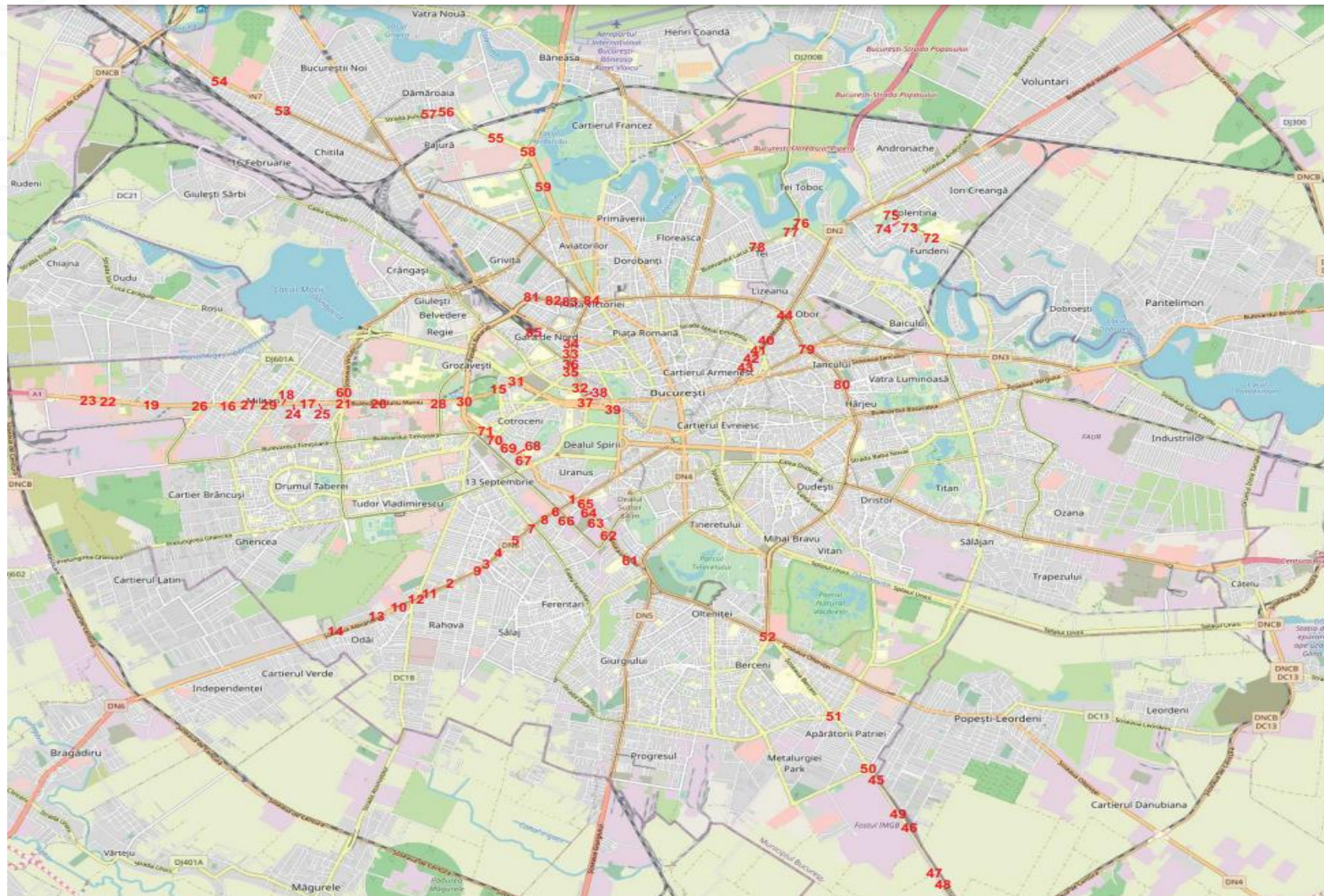
for the first stage

85 will be executed the main radials, located in the city sectors



For the first stage, 85 intersections on the main radials, located in the city sectors, will be executed.

The rest, about 450 intersections will be executed by 2024



The main components:

- Pollution sensors
- Traffic detectors
- Video camera analysis
- Led traffic lights
- State-of-the-art automatic traffic control
- Priority for TP
- Centralized Traffic Management

Project results:

- Data collected for continuous optimization, for the transport model;
- Fuel savings;
- Shorter durations;
- Travel shorter than distance;
- Lower co2 pollution lower;
- Increasing the use of TP (shorter durations and the possibility of respecting the times along the way);
- streamlining public transport infrastructures.

THANK YOU!

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