

## Measurement campaign for the TURBAN project in Sokolská, Legerova and Rumunská streets in the district of Prague 2

At the end of May and beginning of June 2022, an accompanying air quality monitoring network was put into operation in Prague 2 in the high traffic-load area of Legerova, Sokolská and Rumunská streets as part of the international TURBAN<sup>1</sup> project. Low-cost sensors were installed on building facades to monitor the spatial distribution of **PM<sub>10</sub>** and **PM<sub>2.5</sub>** concentrations, as well as **nitrogen dioxide NO<sub>2</sub>** and **ozone O<sub>3</sub>**:

- Legerova 1878/5 (GPS 50°04'11.4"N 14°25'50.7"E) – 2 sensor stations
- Sokolská 1878/6 (GPS 50°04'11.1"N 14°25'46.9"E) – 2 sensor stations
- Rumunská 6 (GPS 50°04'25.0"N 14°25'48.1"E) – 2 sensor stations
- Legerova 1646/37 (GPS 50°04'24.5"N 14°25'49.0"E) – 2 sensor stations
- Sokolská 1498 (GPS 50°04'25.4"N 14°25'44.9"E) – 2 sensor stations

**We would like to thank** the Municipal District of Prague 2, the Czech Chamber of Authorized Engineers and Technicians and the Prague Waterworks and Sewers for their cooperation and **the public for respecting the presence of these devices in the streets. In case of questions or any suspicion of damage or other disturbance to your surroundings, please contact the contact person (Petra Bauerová, email: [petra.bauerova@chmi.cz](mailto:petra.bauerova@chmi.cz); phone: 474 332 668).**

The obtained data will be used to validate and improve software tools for micro-scale modeling of meteorology and urban air quality (i.e. modeling in a space with the size of units of meters). **Continuous information about the project is available on the project website here: <https://project-turban.eu/>.** The results of the measurements will also be published on the project website after their validation (i.e. with a delay of several months).

