Traffic monitoring and modelling

For modelling the urban traffic we have been using macroscopic and microscopic models. These are based on historical traffic count data of a big campaigne and monitoring data arising from operational data collected by city and national road authorities. The macroscopic model can be understood as the interpolated result of the operational measured loop data. Since loop data are not available for all road segments, the measurement values are used for calibrating historical data at these segments. In 3DAirQC we have an option to choose PTV VISSIM for microscopic simulation of the traffic as well.

An overview of traffic sensor network of the city (on the courtesy of Hungarian National Roads Nonprofit Ltd. -Magyar Közút Nonprofit Zrt.)

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