



# TRESSA – Traffic-Related Environmental, Economic and Societal Sustainability Assessment

*A tool evaluating the impact of transport on society and environment.*

*Supports data-driven decision-making on the implementation of various transport measures (policies).*

## Key Highlights

- **Critical Insights:** Unravel the complex effects of traffic congestion on environment, health, and societal costs (ESG).
- **Integrated Approach:** Comprehensive system view covering all transport modes and different data sources.
- **Data-Driven Decision Support:** Tools to aid data driven policy-making for transport measures based on merged heterogenous data sources.
- **Impact Assessment:** Quantifies congestion effects on fuel consumption, air quality, and ESG (Environmental, Social & Governance) factors.
- **Uniqueness and complexity:** First-of-its-kind approach reflecting Czech Republic's specific conditions in numerous aspects.
- **Validation:** Tested on real traffic data; adaptable for diverse urban settings, including assessment of impact on Václav Havel Airport operation.

## Key Questions Answered

- How does traffic congestion affect our environment, health, and society?
- What is the monetary impact of various city policies and traffic organisation decisions?
- What are the societal costs of transportation delays?
- How traffic quality correlates across city?
- How to quantify impact of traffic resulting from decisions, urban planning, special events and more.



**prof. Ing. Ondřej Příbyl, Ph.D.**  
Head of LAMbDA Laboratory

✉ [pribylo@fd.cvut.cz](mailto:pribylo@fd.cvut.cz)  
☎ +420 731 125 297



# Project Outcome

- A validated, knowledge-based assessment tool empowering data-driven decisions, specifically calibrated for the Czech Republic's unique traffic and environmental conditions.

