

Predictive Approaches for Safer Urban Environment



Duration

45 months (Nov. 2022 – July 2026)

Objectives

1. Exploitation of telematics through data analysis techniques that are innovative and efficient
2. Harmonization of safety definitions in traffic simulation models with those used in road safety assessment
3. Development of integrated urban risk assessment models and tools for application of the methodological framework

The Experiment

- A dedicated online survey was designed to review the needs and gaps of local stakeholders
- From the stakeholder survey a total number of 50 responses was received
- In terms of city coverage, the distribution of respondents covers 36 cities worldwide, while the majority (41 in total) work in Europe covering 29 European cities

Impact

A high importance of integrating human behaviors, modal shift, socioeconomic parameters, simulation, safety assessment and data collection methods into the utilized tools was determined.

The three use cases (Athens, Valencia, West Midlands) will serve as testbeds to demonstrate the framework applicability and integration with urban transport systems under real conditions

