

# Modelling Road Infrastructure Safety

## Duration

36 months (June 2019 – June 2022)

## Objective

to propose international comparative analyses of road traffic safety statistics and safety modeling at:

- Macroscopic level (e.g. country, region)
- Microscopic level (roadway locations)

## Model development

### Macroscopic models

Analyze crashes at aggregate spatial levels

### Microscopic models

Identify relation between road crashes and injuries, road infrastructure characteristics and traffic

### Hazardous locations

Methods for identification and methods for selection of treatments

### Transferability assessment

Comparative assessment of prediction performance of transferred models vs. locally developed models

## Impact

Consideration of road safety on a global level

Improvement of decision making practices

Road casualties reduction