



## University of Rijeka, Faculty of Maritime studies

**PROJECT ACRONYM AND TITLE:** Methods for improving delivery activities within city centers

**FUNDING PROGRAMME:** Scientific-Research Project Initiatives of The University of Rijeka (ZIP UNIRI)

**PERSON RESPONSIBLE:** Mladen Jardas, Ph.D.

### FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
5.441,64 €	5.441,64 €

### SUMMARY

Simulation tools provide comprehensive analysis for urban and suburban transport infrastructure assessment and planning. Microsimulation modelling aims to analyze complex, congested traffic conditions and requires more parameters to develop. When determining the value of goods delivery flows within the city center, it is necessary to collect the required data using a questionnaire so that it can be used to create a simulation. The data will be collected by carriers and business entities that are the main actors of the delivery activities. The simulations will be carried out in the real environment of the city of Rijeka, and different scenarios of goods delivery within the city center will be considered, such as the status quo, delivery from one consolidation center, delivery from two consolidation centers, delivery with environmentally friendly vehicles from one consolidation center, and the livability scenario.

After the simulations, the traffic congestion, the time needed to reach the delivery point and the possibility to reach the delivery point will be recognized. With the help of statistical processing of simulation results and the use of relevant scientific methods, the goal is to improve the existing way of delivering goods in the city of Rijeka (status quo) by comparing scenarios of goods delivery.

Start date	End date
01.06.2023.	31.05.2026.

**WEBSITE:** -

### ADDITIONAL INFORMATION:

Members of the project team:

- Mladen Jardas, *Faculty of Maritime Studies, University of Rijeka*
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