

Digitalisation of traffic data and transport infrastructure

EU projects in traffic sector



Content

- Creation and exchange of digital traffic data in road traffic sector
 - Connecting motorway operators in EU to deploy Intelligent Transport Systems (ITS)
 - EU Projects: **EasyWay, CROCODILE (1, 2, 3)**
- Connected mobility on motorways
 - Direct transfer of safety-related traffic information from operators to vehicles
 - EU Projects: **C-Roads Slovenia, C-Roads Slovenia 2**
- Multimodal data
 - Multimodal traveler information and journey planners
 - Projects: **LinkingDanube, Traffic Management Integration in the National Traffic Management Centre 1 and 2**
- Digitalisation of public infrastructure
 - Charging/refuelling infrastructure for alternative fuels (EU project **IDACS**)
- Traffic and infrastructure data access on National Access Point (NAP)
 - Projects: **Traffic Management Integration in the National Traffic Management Centre 1 and NAPCORE**



Creation and exchange of digital traffic data in road traffic sector

- Project **EasyWay**
 - 2007-2013
 - Harmonized implementation of ITS services in Europe
 - Strong cooperation between public authorities and motorway operators
 - Mitigating the negative effects of transport in Europe
 - Positive impact on traffic flow, traffic safety and the environment
 - [Beginning of the digitalisation of traffic data](#)



Creation and exchange of digital traffic data in road traffic sector

- Projects **CROCODILE (1, 2, 3)**
 - 2013-2022
 - 10 EU member states (Austria, Cyprus, Czech Republic, Germany, Greece... Slovenia)
 - Harmonised exchange of **dynamic traffic data** and information **across borders**
 - Implement an infrastructure for providing road traffic information
 - Traffic cocounters, cameras, variable message signs, traffic management centers
 - Coordination on organisational level, technical implementation of standards as well as enhancement of management strategies and end-user services
 - Set up and operate a data exchange infrastructure based on **DATEX II**

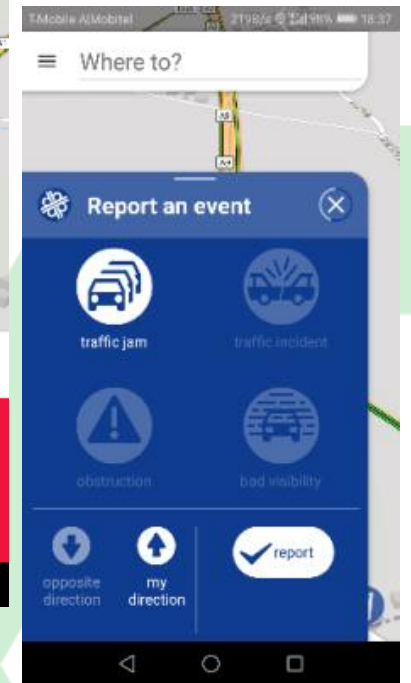
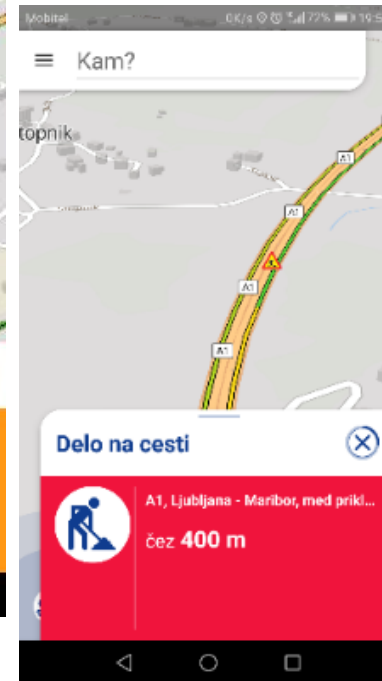
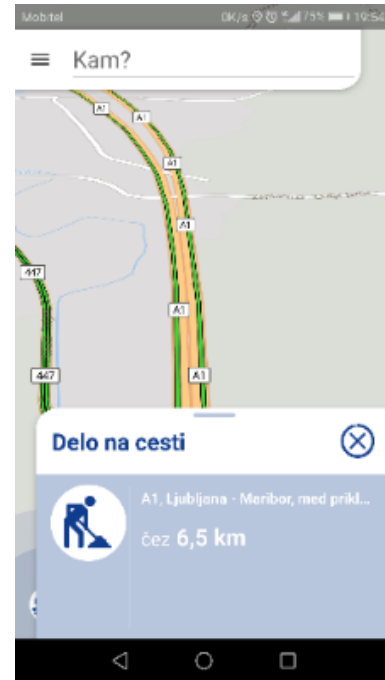


Connected mobility on motorways

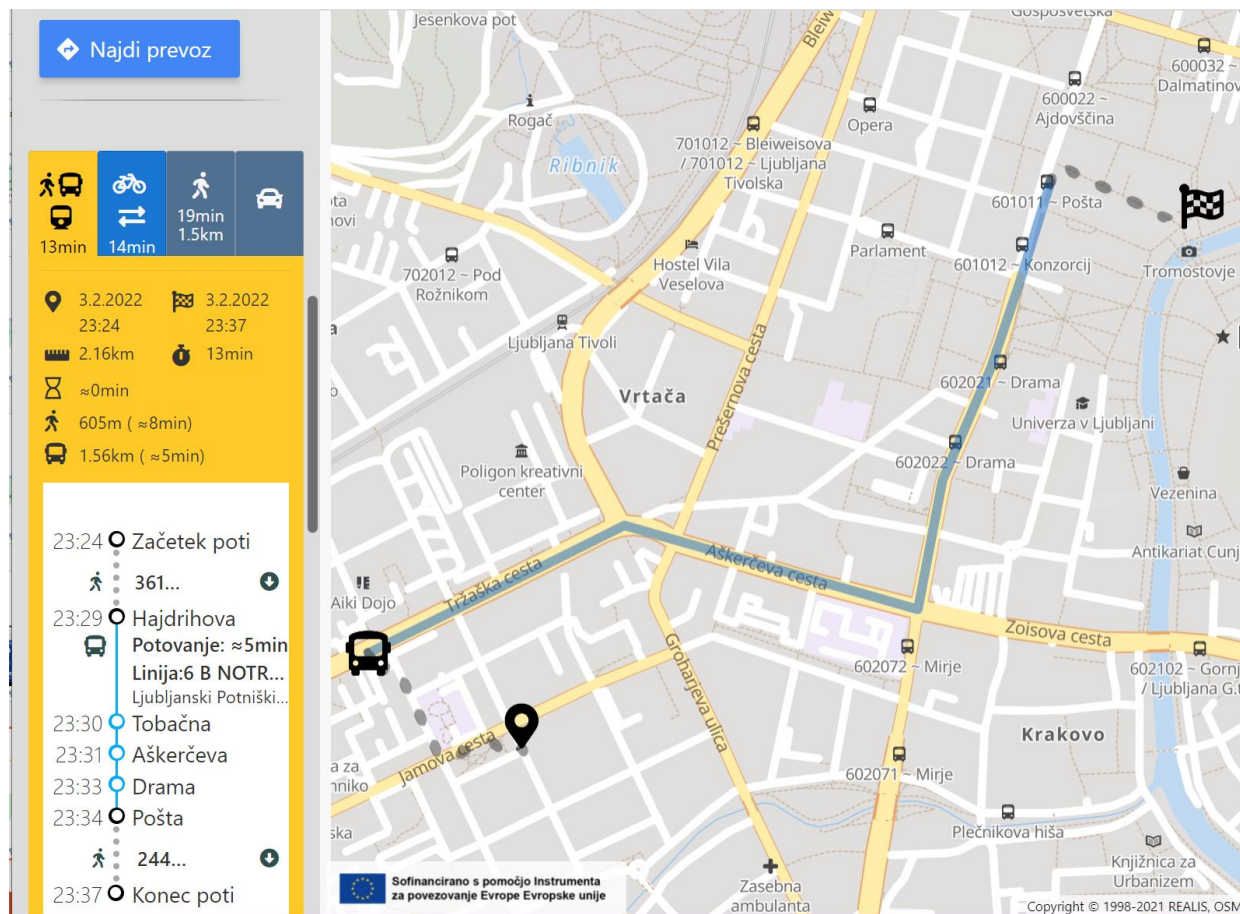
- Projects 
 - 2017-2024
 - Authorities and road operators in EU countries
 - Harmonise the deployment activities of **cooperative intelligent transport systems (C-ITS)** across Europe
 - Communication: Infrastructure-Vehicle-Infrastructure
 - The goal is to achieve the deployment of interoperable cross-border C-ITS services for road users.



Connected mobility on motorways



Multimodal data / MaaS

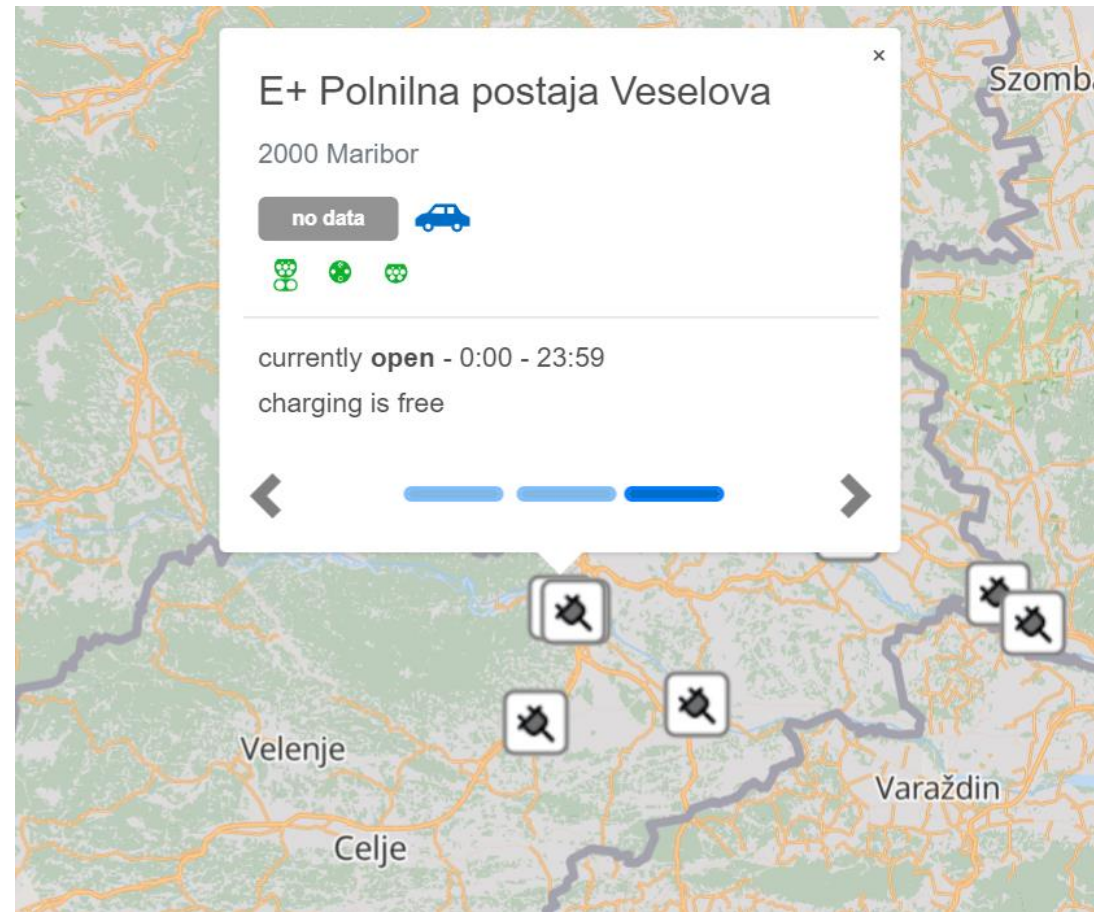


- Projects: **LinkingDanube**, **Traffic Management Integration in the National Traffic Management Centre 1 and 2...**
- Creating and collecting public passenger data
 - Integrated Public Passenger Transport Service (bus and train transport)
 - Various data formats available: GTFS, NeTEx, SIRI
- Creating and collecting multimodal infrastructure data
 - Bike-sharing, bicycle routes (categorisation and digitalisation in progress)
- Cross-border exchange via OpenAPI (projects **LinkingAlps** and **OJP4Danube**)



Charging/refuelling infrastructure for alternative fuels

- Project: **IDACS** (ID and Data Collection for Sustainable Fuels in Europe)
 - 15 EU Member States
 - Comprehensive and reliable data accessible on a non-discriminatory basis on the charging/refuelling infrastructure for alternative fuels



Traffic and infrastructure data access on National Access Point (NAP)

- Projects: [Traffic Management Integration in the National Traffic Management Centre 1, NAPCORE...](#)
- Integrating all relevant traffic and infrastructure data
- Interactive map with real time data
- Meta data services
- G2B/B2B REST API data access
- Services
 - DATEXII, TPEG XML
 - TN-ITS GO
 - Multimodal services
 - OpenAPI, NeTEx, SIRI, GTFS
 - E-mobility (charging stations)
 - Location referencing (AlertC, OpenLR, linear referencing)
 - Safety related messages
 - TMC location table
 - RDS TMC

The screenshot shows the National Access Point (NAP) website interface. The header includes the NAP logo and navigation links for e-mobility, services, datasets, and about. Below the header, there are four summary cards: 33 charging points, 17 charging providers, 0 available charging points, and 1 access point. A map of Slovenia is displayed with various icons. The main content area includes sections for Traffic and route planning (with sub-sections for PROMET.SI and LJP multimodality), Traffic information (listing RDS-TMC, TN-ITS GO, Traffic model, and Safety related messages), Public transport (listing Multimodal services and NeTEx), Data and plugins (describing registration and plugin generation), Freight traffic (listing Safe and secure truck parking), and AlertC location referencing (listing DATEX, Location table, and Location referencing).

