EaP Road Safety Cooperation
Crash Data System and Crash Data Analysis
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VC meeting, **BELARUS**

The role and importance of Road safety database in the road safety management of country

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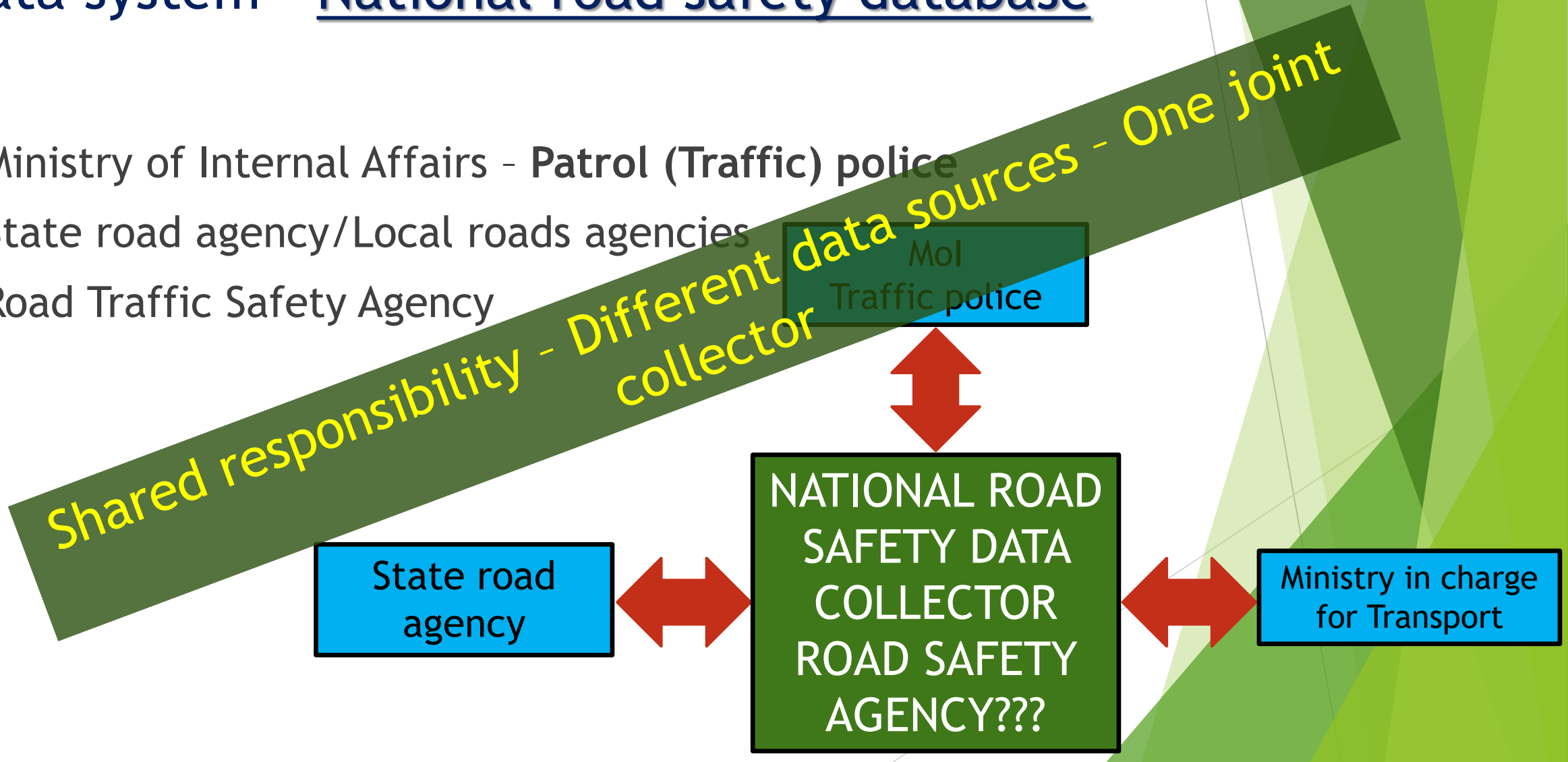
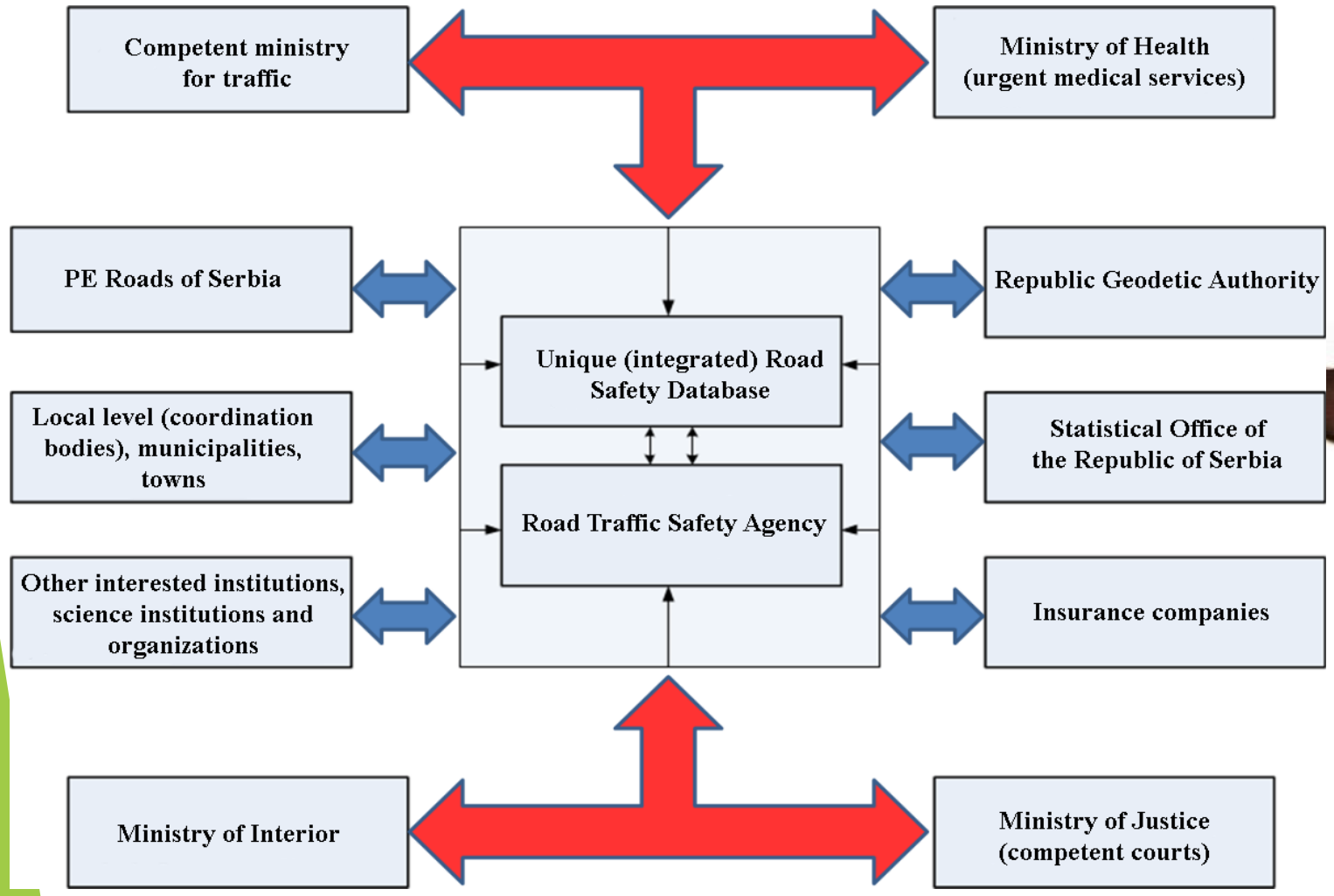
Institutions and organizations includes in road safety data system – National road safety database

- Ministry of Internal Affairs – **Patrol (Traffic) police**
- State road agency/Local roads agencies
- Road Traffic Safety Agency

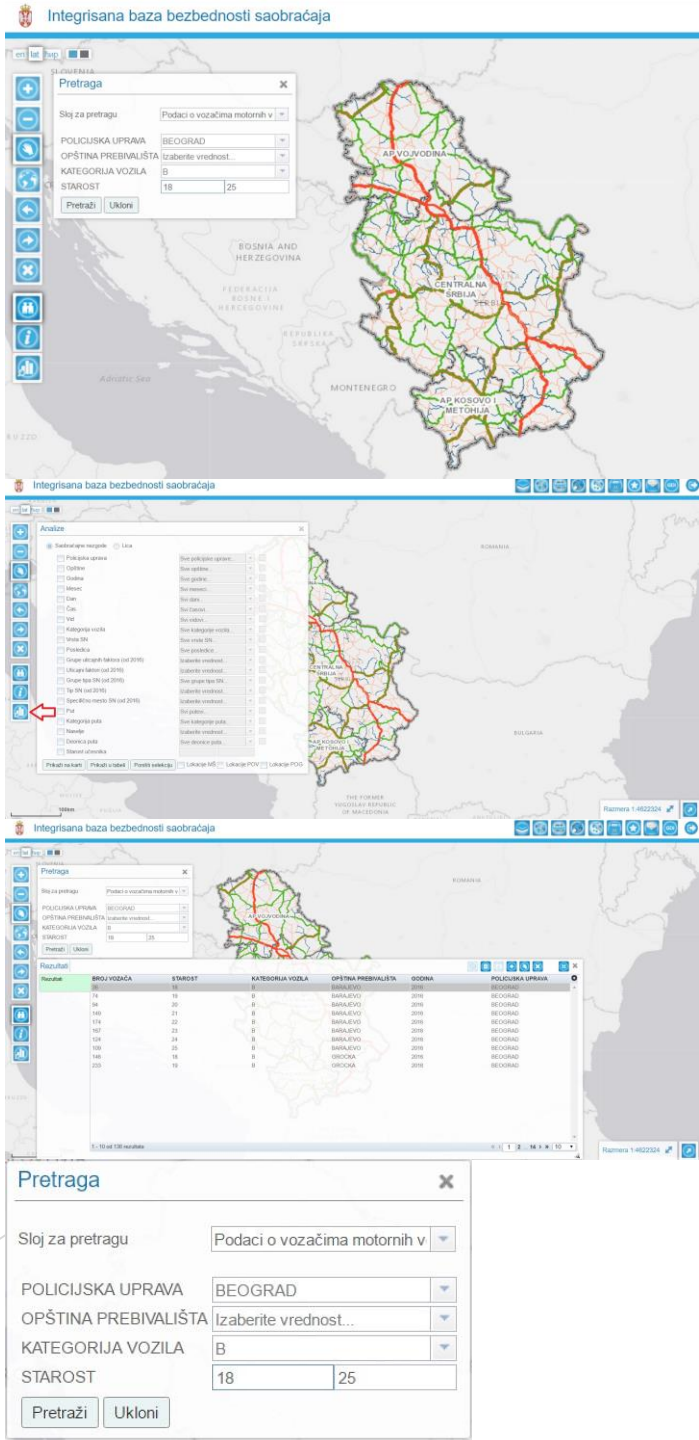


COORDINATION WITH OTHER STAKEHOLDERS – ESPECIALLY IN SHARING THE ROAD SAFETY DATA



Ministry of Internal Affairs – **Patrol or Traffic police**

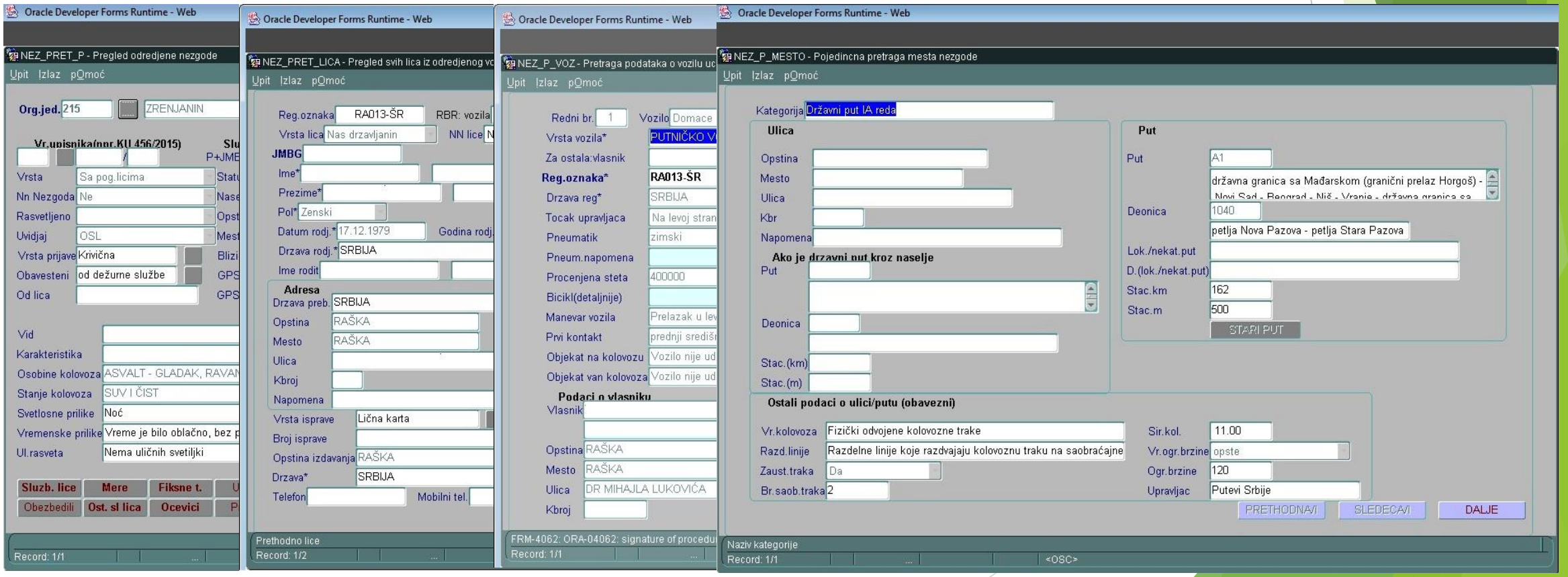
- **Road accident data!!!**
- Data about traffic fines!!!
- Set of data on motor vehicle drivers???
- Set of data on registered motor vehicles???
- Set of data on driving training centers – driving schools???
- Set of data on technical inspection stations for motor vehicles???



Ministry of internal affairs – Patrol (Traffic) Police
Example 1 – Structure of road accident data

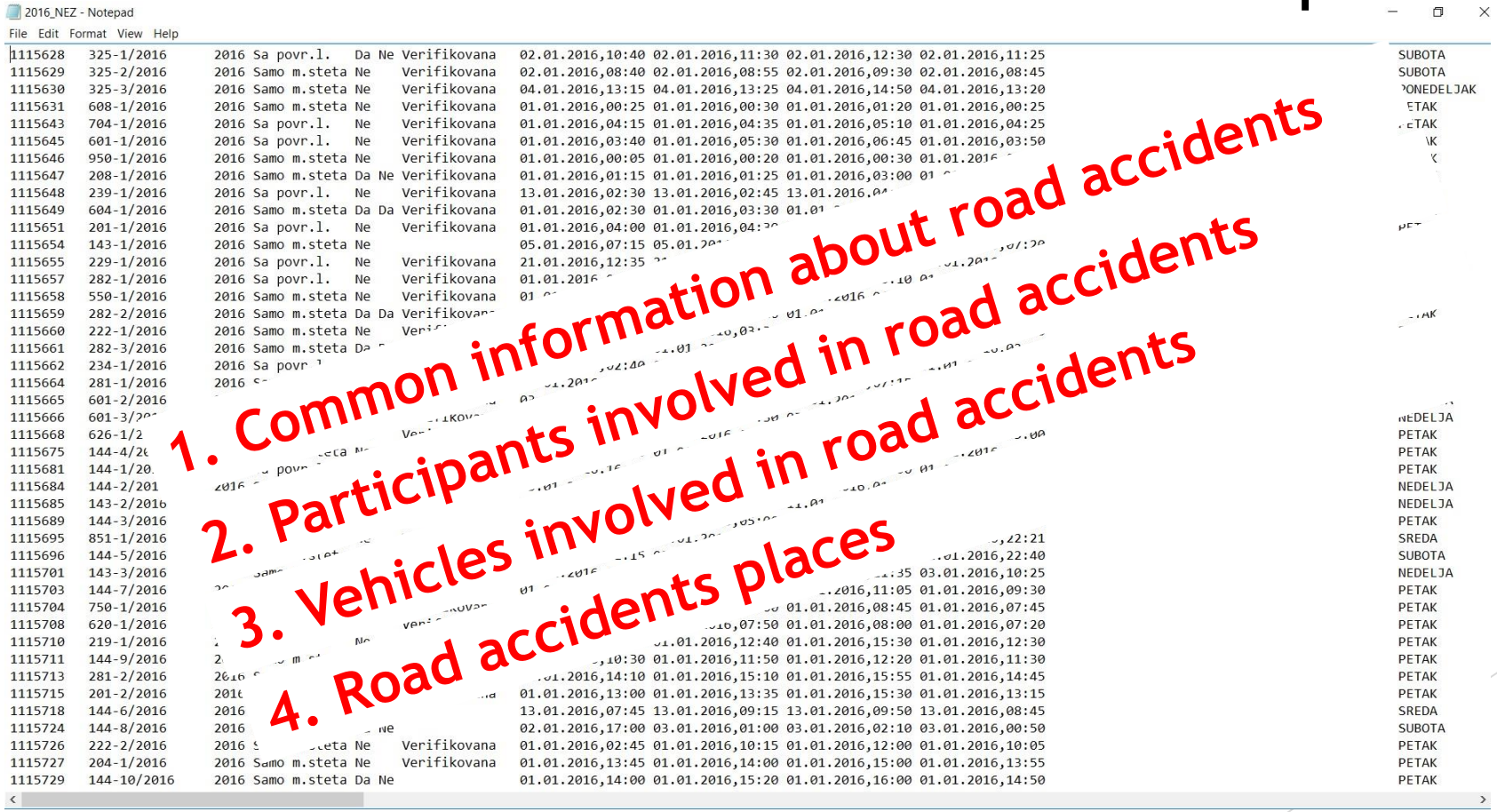
Road accidents data (ORACLE database)

Main sets of data



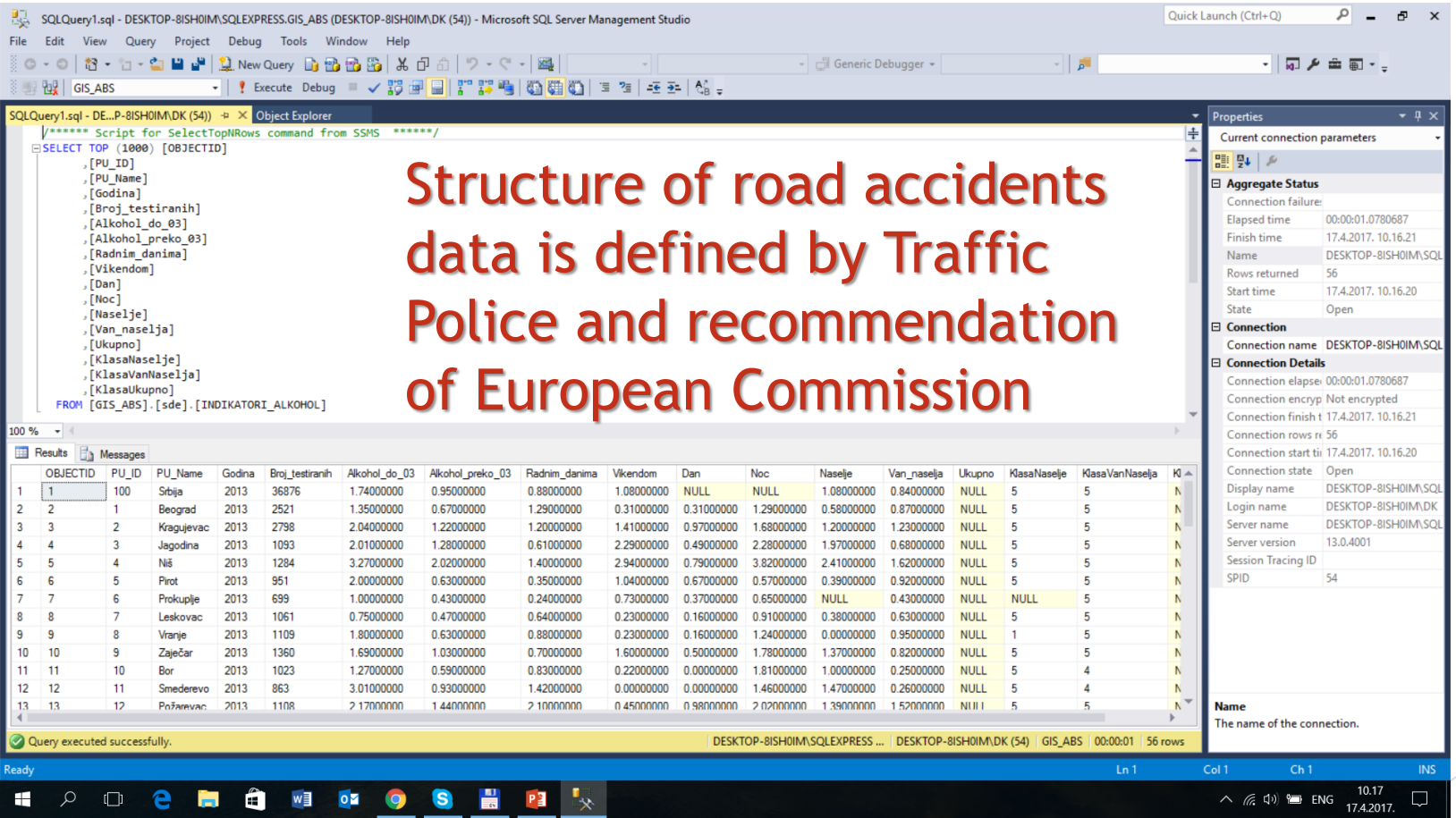
Ministry of internal affairs
Example – Structure of road accident data

Road accidents database - ORACLE database - export to **txt** files



Road traffic safety agency - RTSA
Example – Structure of road accident data

From MoI ORACLE to RTSA SQL Server, txt input files



- Accident ID
- Traffic police unit ID
- Year
- RA severity
- Type of RA
- GPS X coordinate
- GPS Y coordinate
- Contributory factors
- Accident date
- Accident time
- Accident day
- HIT and run accident
- Investigation time (start)
- Investigation time (end)
- Municipality
- Settlement (Yes/No)
- Intersection type
- …

Road traffic safety agency – RTSA or???

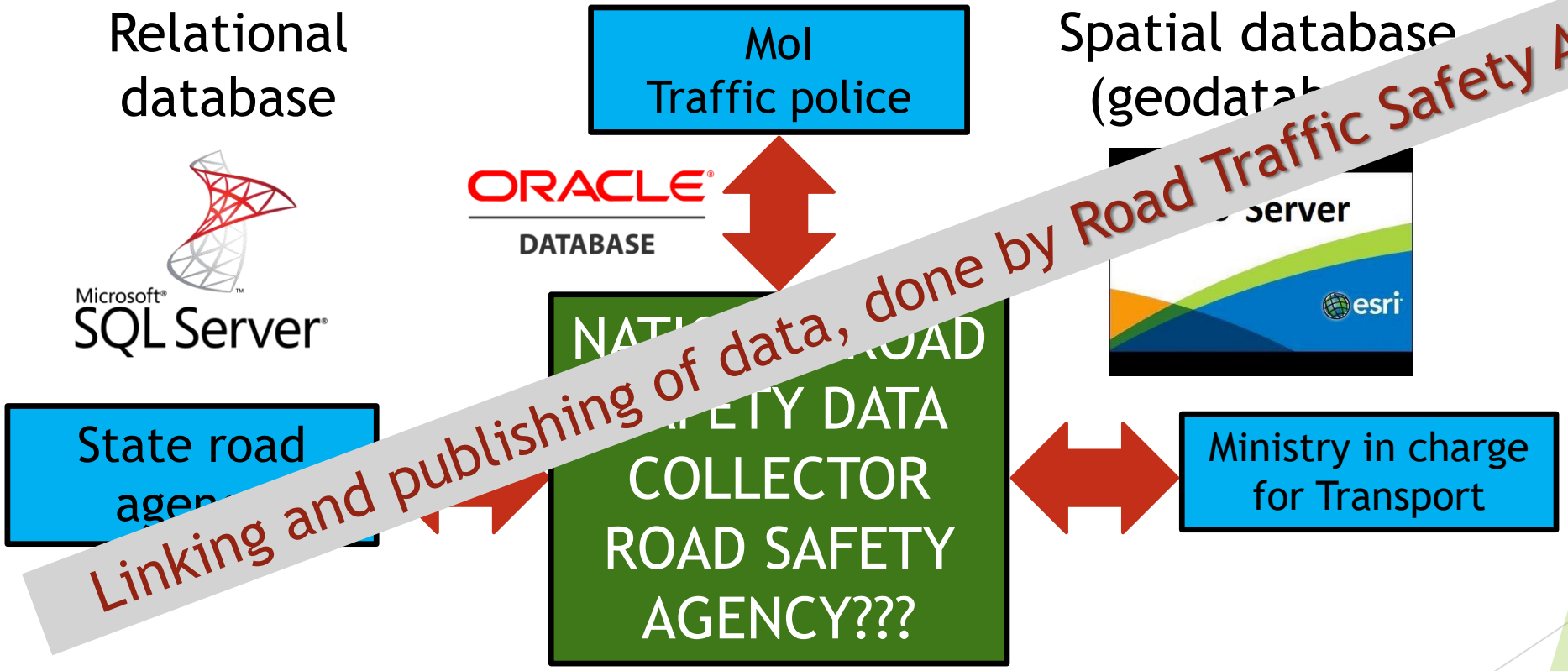
- **SPI – road users behavior (seat belt use, mobile phone use, helmet use, speed measurement, child seats use…)**
- Social attitudes (important for road safety campaigns)
- Road safety casualties risks (risk analysis)
- Negligent drivers – with confiscated driver licenses
- Set of data on: lecturers, examiners, instructors (for driving schools), professional drivers – CPC…
- Tachograph workshops for buses and heavy goods vehicles
- Technicians in tachograph workshops
- The Number of licensees of technicians in tachograph workshop by municipalities
- Local road safety bodies

State Road Agency and Local Road Agencies

- **Data about state roads – state reference system (input format – .gdb (ArcGIS geodatabase file)**
- Set of data on AADT by sections (.gdb file)
- Locations of traffic counters (.gdb file)
- Traffic signs data set (.gdb file)
- Set of data on "Black spots" (.gdb file)
- Bridges (.gdb file)
- Tunnels (.gdb file)
- Landslides (.gdb file)
- ITS devices (.gdb file)
- International E roads (.gdb file)

All data sets are for state and local roads!!!

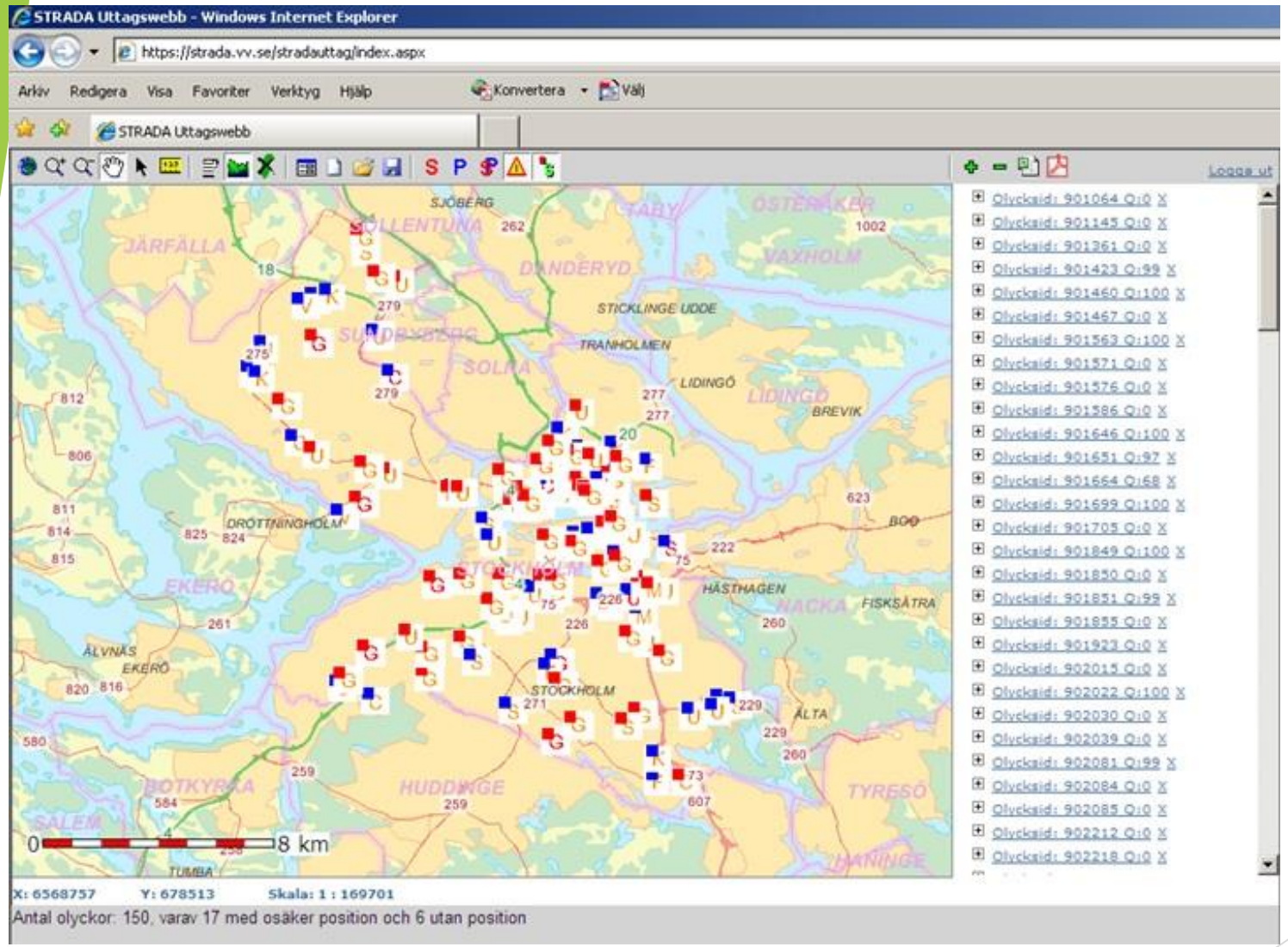
National road safety database

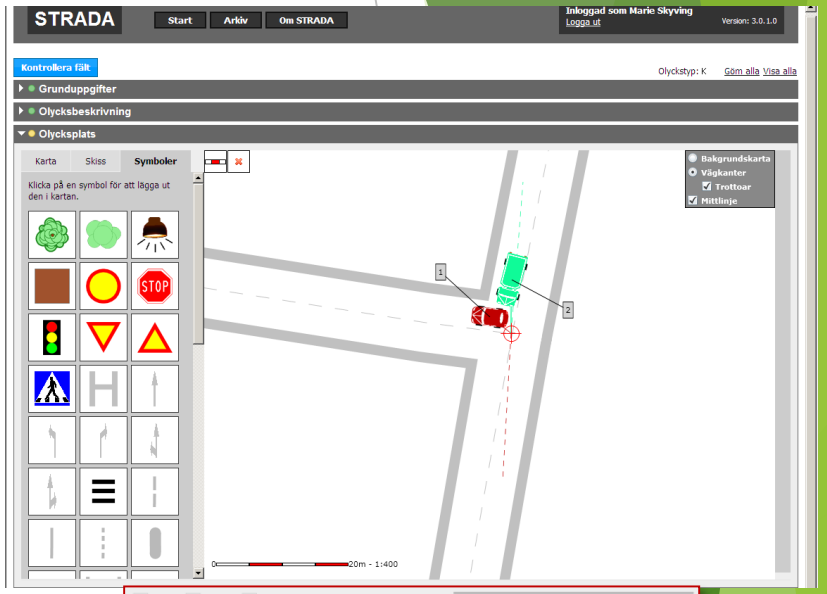


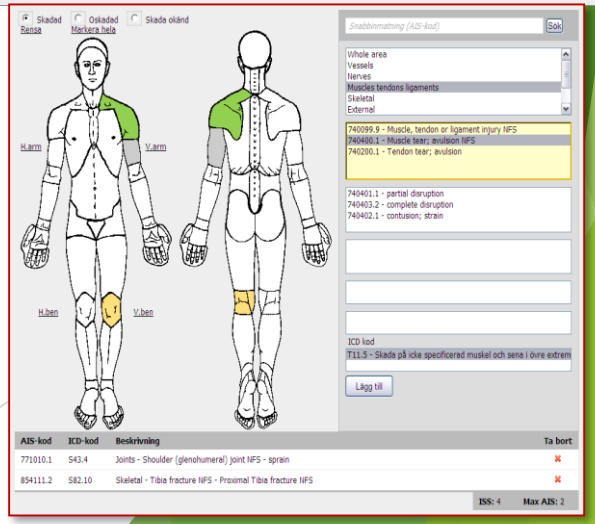
WEB GIS application public available: http://bazabs.abs.gov.rs/

Sharing the road safety data - Examples

SWEDEN → **TRAFIKVERKET - Swedish Transport Administration**

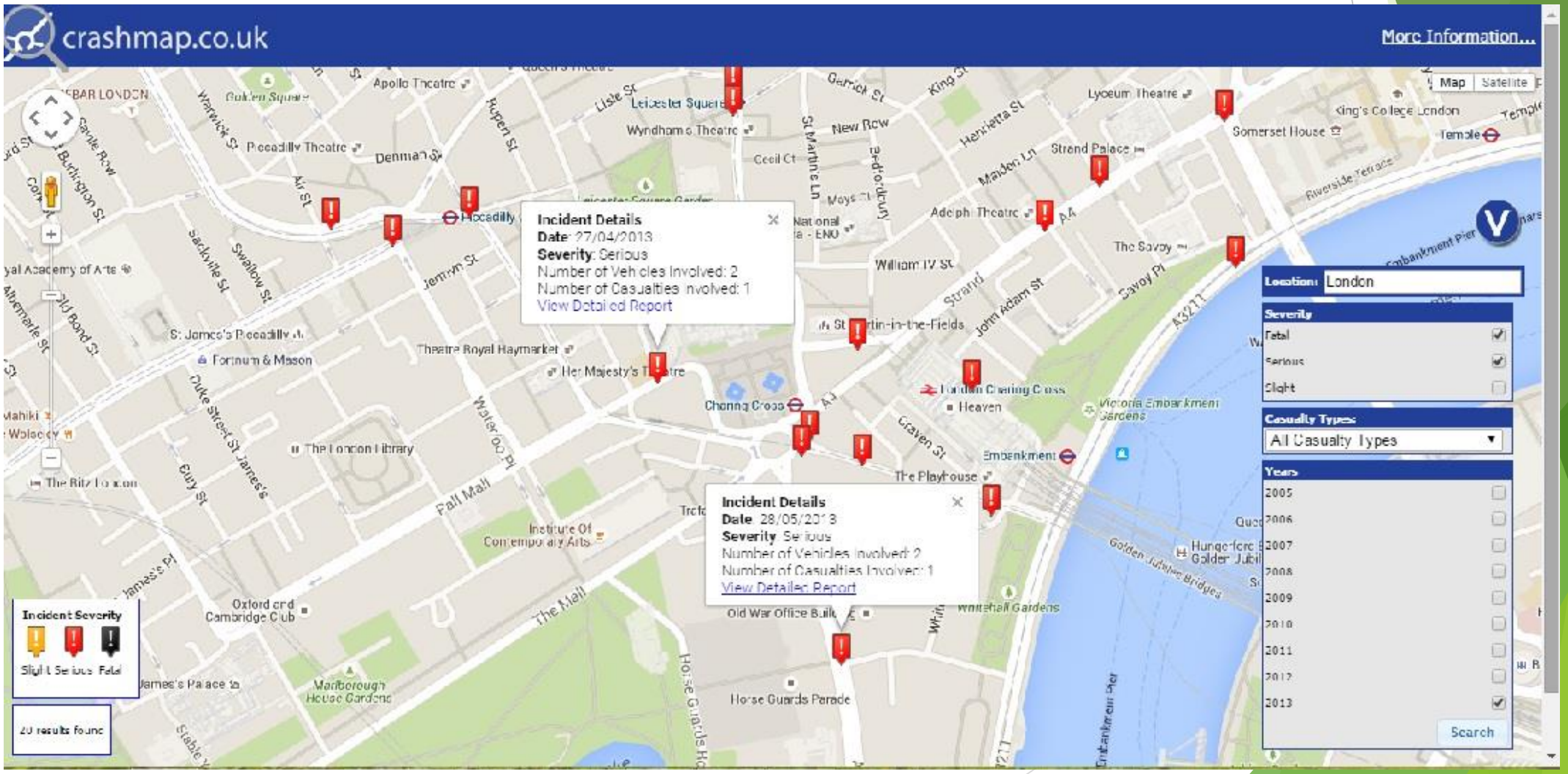






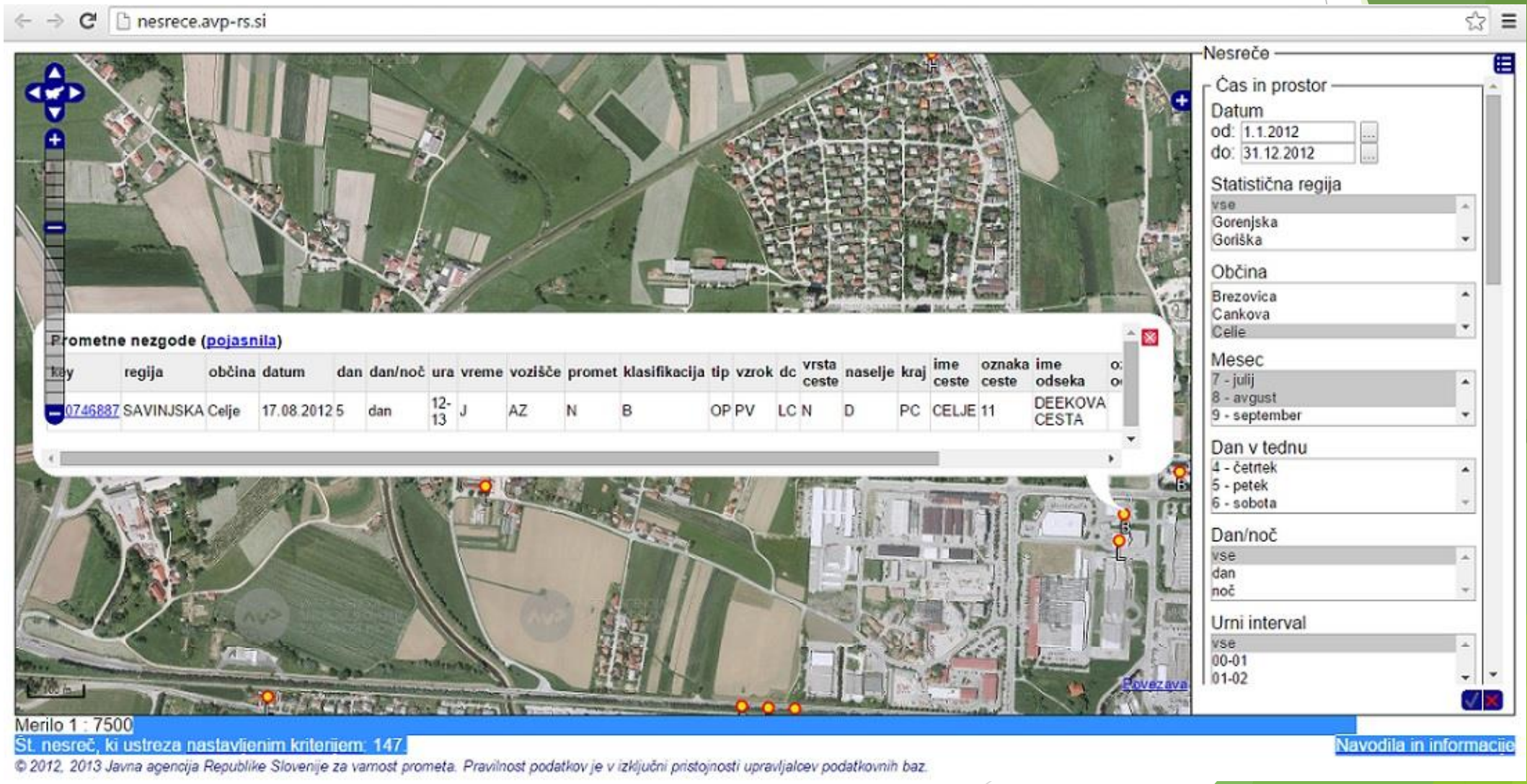
Sharing the road safety data - Examples

Great Britain → **Department of Transport and others …**
„Crash Map Community“



Sharing the road safety data - Examples

Slovenija → **Traffic Police and Road Traffic Safety Agency**



Sharing the road safety data - Examples

Kazakhstan → **Ministry of justice - General Prosecutor Office and Ministry of Interior - Traffic Police**

Success in the monitoring of the state of road safety

THE QUALITY ROAD SAFETY DATA

DEVELOPMENT OF ROAD SAFETY DATABASE

DEFINING THE STANDARD FOR MONITORING THE STATE OF ROAD SAFETY

Thank You

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