DARS

DarsTraffic+

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National Traffic Information Centre

DARS

Tasks:

- collecting information on situation on motorways and other national roads and the traffic 24/7 (control centers, drivers, police, local communities, etc.)

- providing quick, accurate and updated information to the public on the traffic situation on motorways and other national roads

- providing data on traffic congestions, traffic restrictions etc.

- **Final goal: Traffic information must come to the user in the form user can understand and use!**

National Traffic Information Centre

DARS

Traffic information:

- Call center

- Webpage

- Radio stations

- Email

- Mobile application

- Giving raw data for free

DarsTraffic+

info@promet.si ☎ 1970

TWITTER@DARS_SI   WWW.PROMET.SI

Mobile Aplication DarsTraffic+

DARS

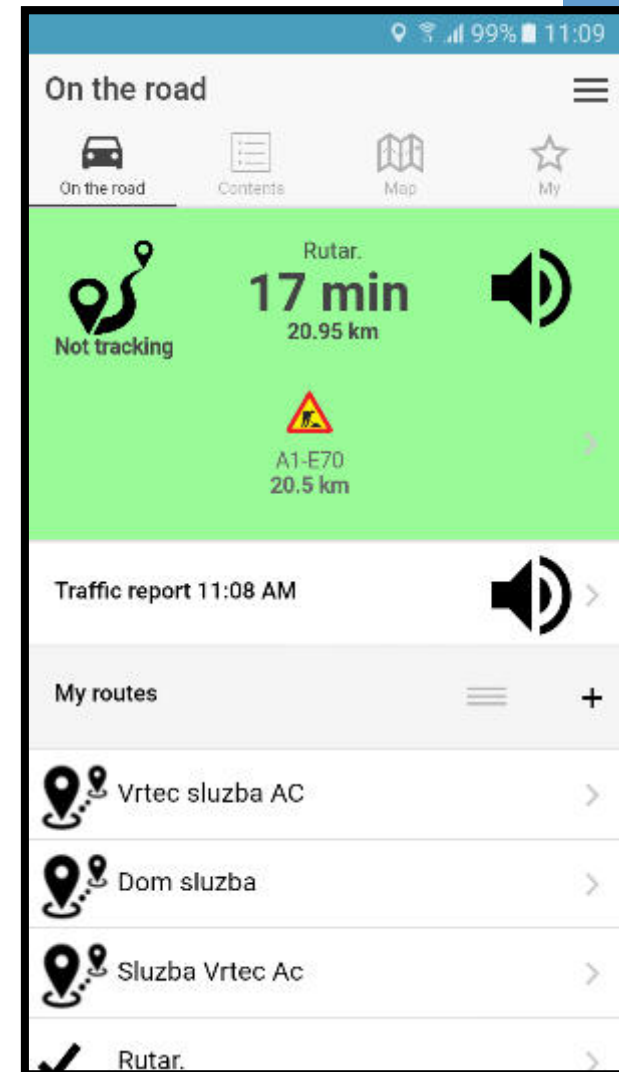- Number of drivers that use Traffic information center is increasing significantly. Automatization was needed.

- Number of different web page users:
    - 2015 → 1.258.111
    - 2016 → 2.086.113

    (Slovenia has a population of 2.064.188)

- Number of downloaded DarsTraffic+ applications:
    - Since released in April 2016 → 45.000

- Number of calls to TIC is slightly decreasing on behalf of the application and webpage.
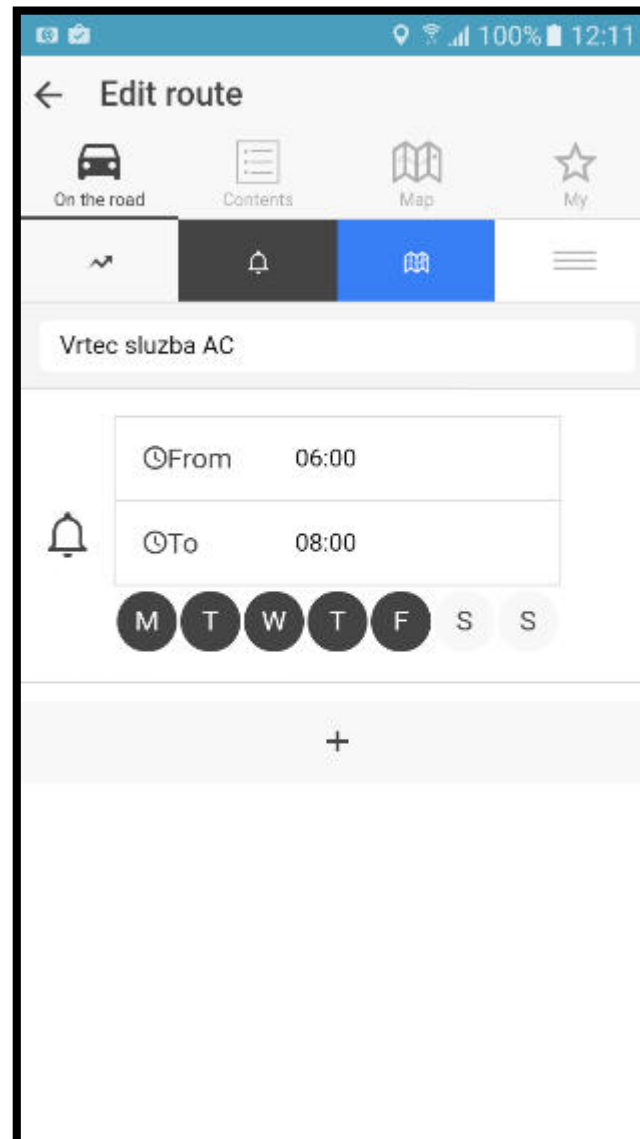
Who uses application DarsTraffic+?

■ Drivers who drive daily to work

■ Drivers that often drive on certain routes

■ Drivers can choose their favorite routes:

    ■ driving time (tracking your routes and estimates remaining time)

    ■ any special traffic incidents or road works

    ■ traffic density

    ■ voice reading – so drivers can keep their eyes on the road
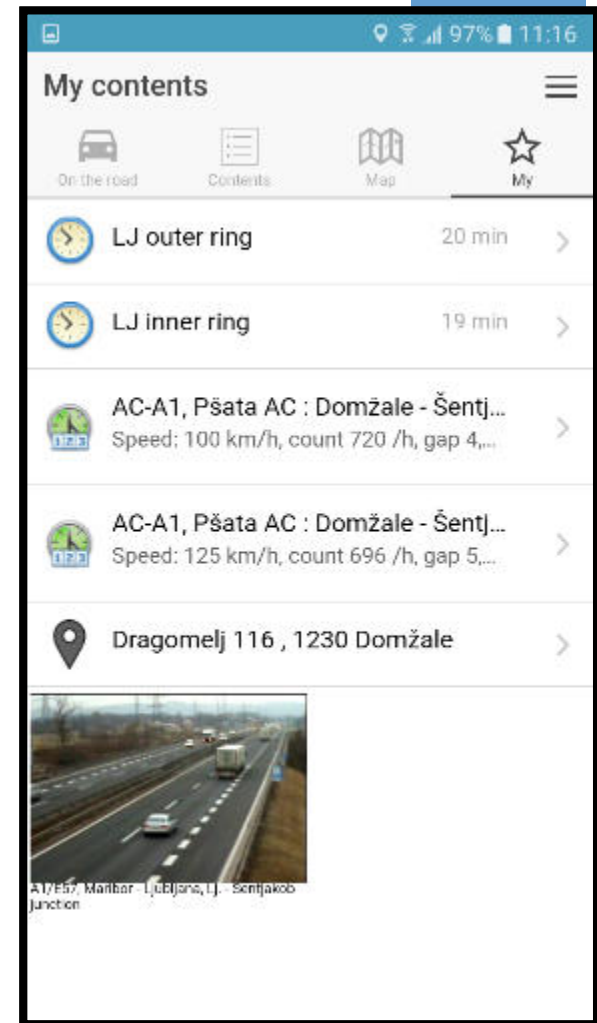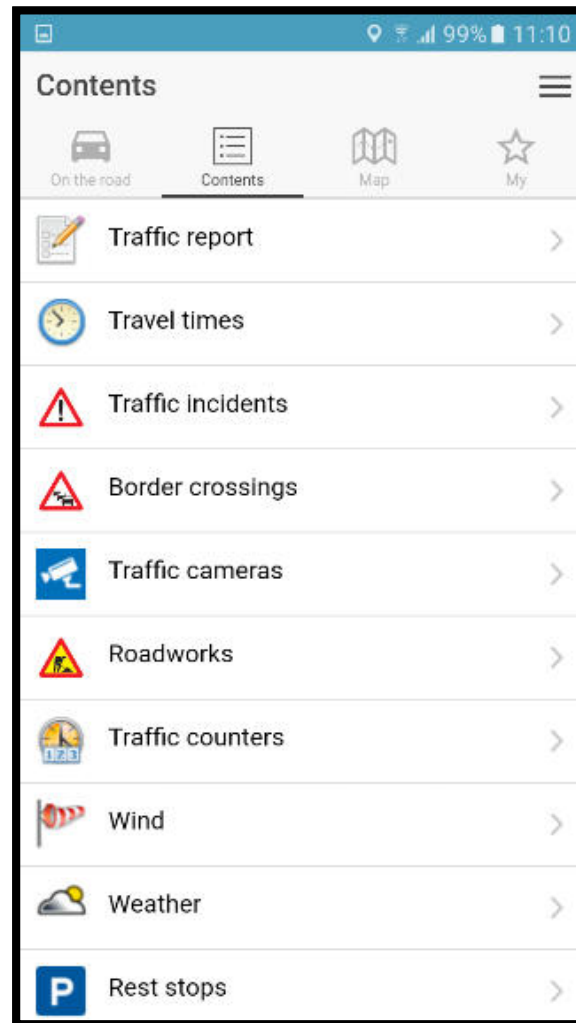
Notification center

- For each route

- Notification frequency

  - at every change, at most 15 minutes or at most 1 hour

- Notification time

  - from-to hours, days of the week
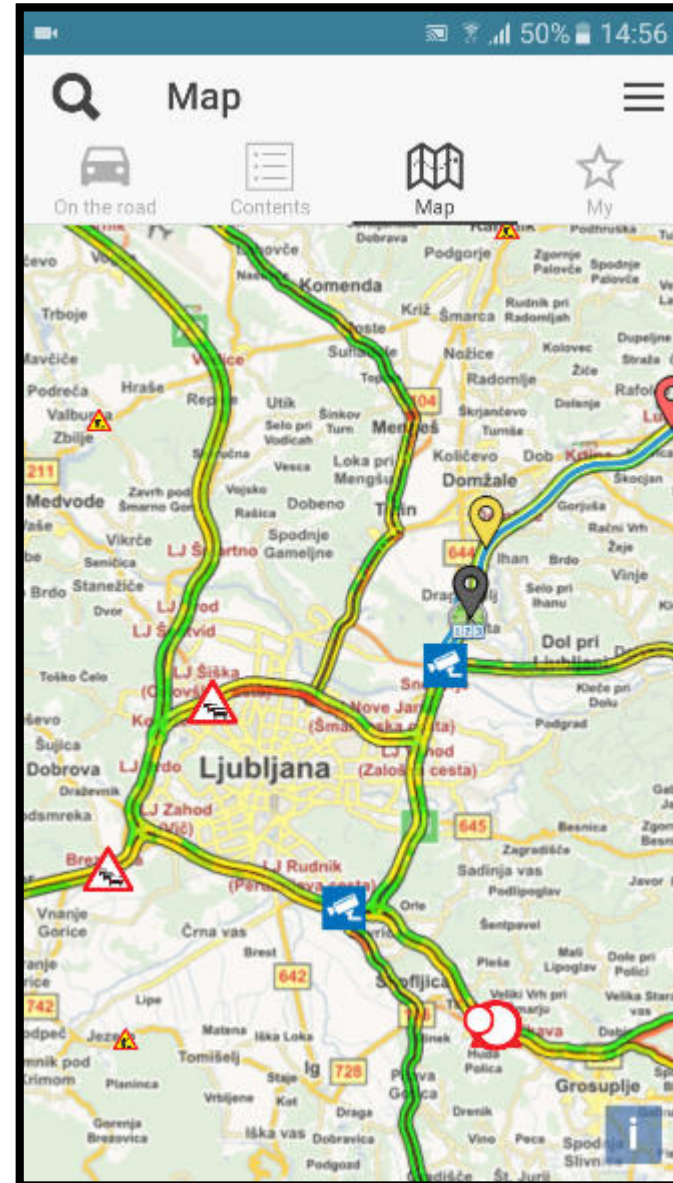
- Notification target

  - mobile phone, email

Other information - Contents

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- ⭐ Travel times
- ⭐ Traffic cameras
- ⭐ Traffic counters
- ⭐ Weather
- ⭐ Rest stops
- • Traffic report
- • Traffic incidents
- • Border crossings
- • Roadworks
- • Wind
- • Traffic calendar
- • Vignettes
- • Contacts

Contents screen:

Traffic report	>
Travel times	>
Traffic incidents	>
Border crossings	>
Traffic cameras	>
Roadworks	>
Traffic counters	>
Wind	>
Weather	>
Rest stops	>

On the road Contents Map My

My contents screen:

LJ outer ring	20 min >
LJ inner ring	19 min >
AC-A1, Pšata AC : Domžale - Šentj... Speed: 100 km/h, count 720 /h, gap 4,...	>
AC-A1, Pšata AC : Domžale - Šentj... Speed: 125 km/h, count 696 /h, gap 5,...	>
Dragomelj 116 , 1230 Domžale	>

A1/E57, Maribor - Ljubljana, LJ. - Šentjakob Junction

Other information - map
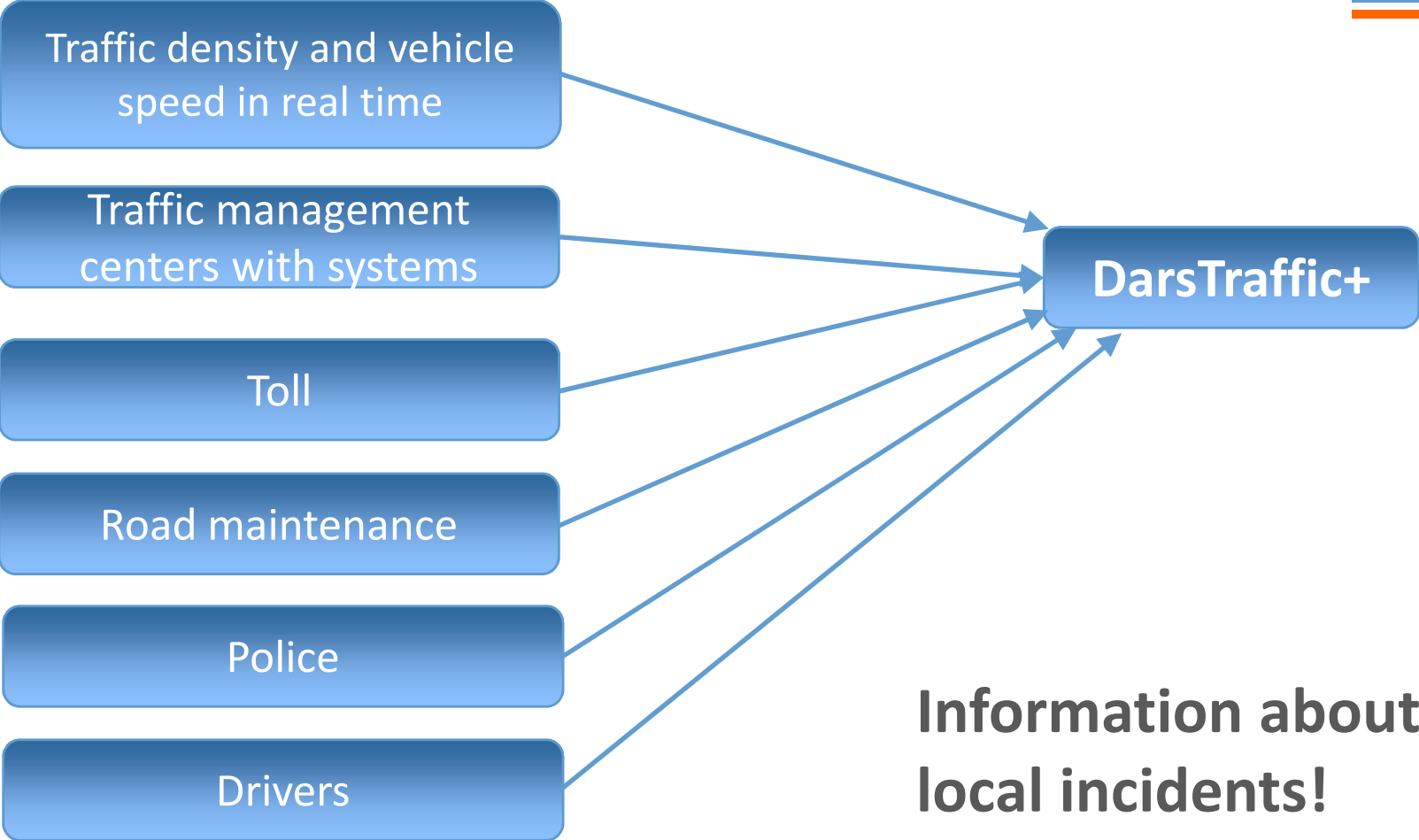
- Contents on map:
  - Traffic density
  - Traffic cameras
  - Traffic counters
  - Weather
  - Rest stops
  - Traffic incidents
  - Roadworks
  - Wind
  - My contents

Short video

Why is application DarsTraffic+ so accurate?

DARS

Traffic density and vehicle speed in real time

Traffic management centers with systems

Toll

Road maintenance

Police

Drivers

DarsTraffic+

Information about local incidents!

Easy accessibility

■ Application is free of charge

■ Operation systems: Android, IOS and Windows

■ It takes 2 – 3 Mb space on your telephone

■ When using the application at least 2 hours a day you will use up to 300 Mb/month

■ Notification system – very low data consumption

■ User system on www.promet.si (application management directly from the webpage)

Plans for the future

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- Regular updates and improvement of application

- To include rerouting in the application
  - application is capable to follow GPS – there are GIS maps in the background, which allow data transfer and routing

- To include direct communication driver – driver
  - driver can report incidents on the road using application

- To include application in Cooperative Intelligent Transport Systems (C-ITS):
  - communication: V – V, V – I and V - X
  - communication goes trough microwave detectors or/and mobile networks
  - pilot projects for both kind of communications
  - application DarsTraffic+ is our tool for C-ITS implementation

Thank you for your attention.

More information:

www.promet.si

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