



EUROPEAN CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS

The Road Safety Report System: **Objective & Subjective Database for Road Safety**

POLIS working group meeting on road safety and
vulnerable road users in cities and regions
Urban road safety reporting, databases and data collection

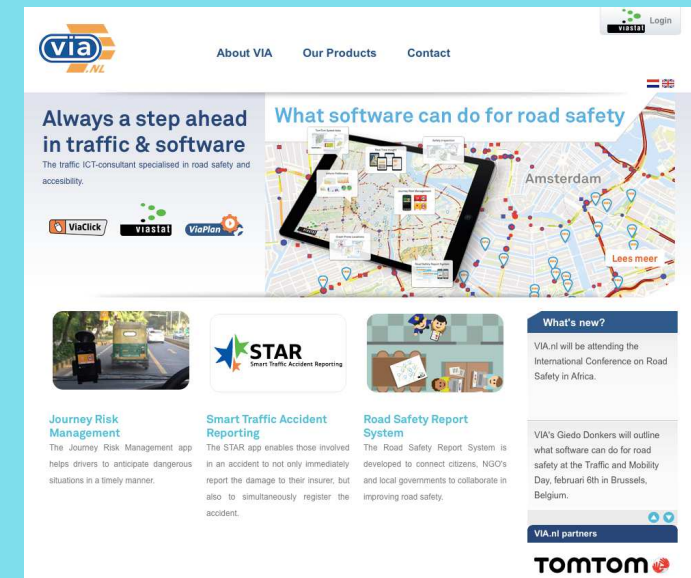
Erik Donkers
VIA

11th February 2014, Brussels



What software can do for Road Safety

- » VIA's ambition
 - » Gaining insight into Road Safety
 - » Supporting work processes
 - » Involving people
- » VIA's approach
 - » Target: politicians, professionals and road users
 - » Model: collaboration between relevant partners
 - » Solution: providing data & know-how in the Cloud



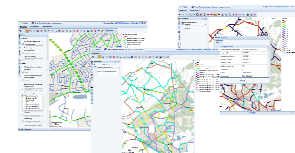
TomTom Speed data



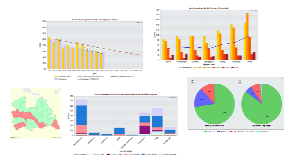
Real Time Insight



Safety Inspection



Inform Politicians



Journey Risk Management



Crash Prone Locations



Road Safety Report System



Road Safety data

» Several road safety databases

» Accidents

1,2 million accidents

» Road users' reports

6.000 reports & 14.000 concerns

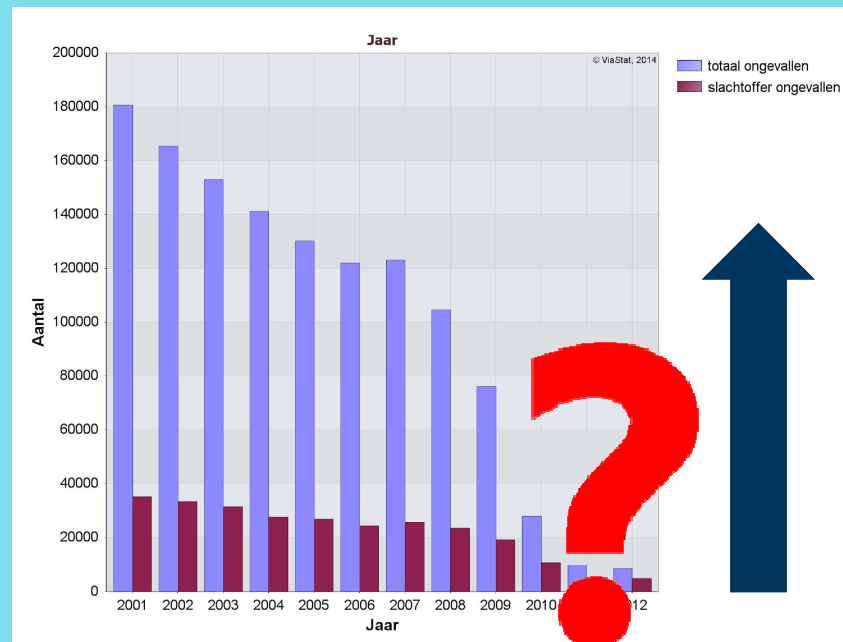
» Speeds

98% of the road network in both directions



Road Safety under pressure

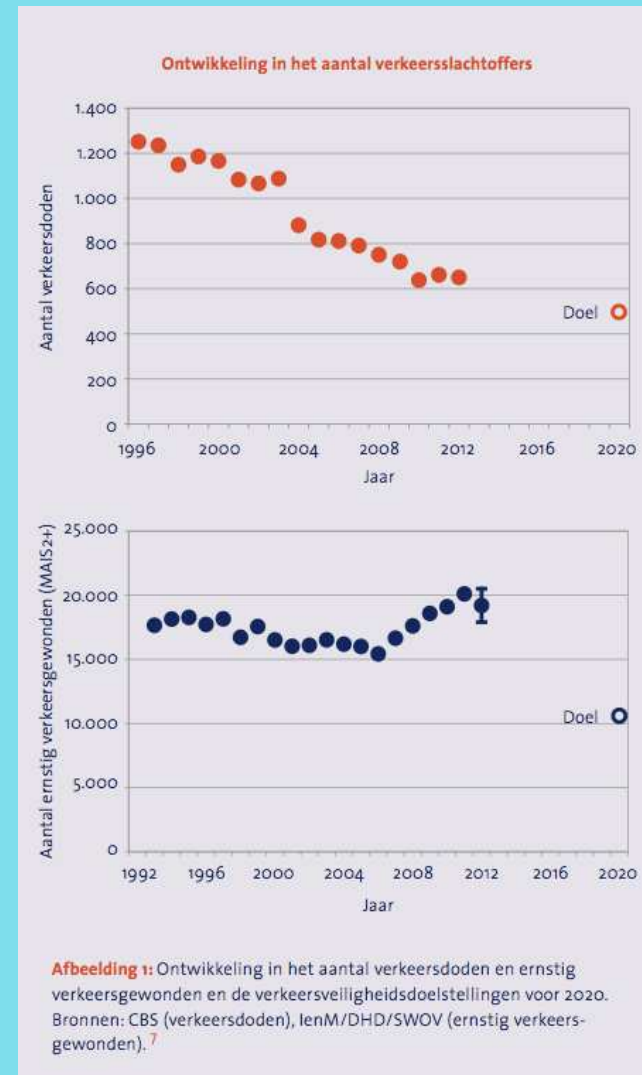
- » Major under registration accidents
- » Successful Dutch approach endangered
- » Policy monitoring, analyses and evaluations become increasingly problematic



Safety of vulnerable road users

- » Large share of vulnerable road users in The Netherlands
- » Safety position in danger*
- » Increase in casualties
 - » among cyclists
 - » among elderly (60+)
 - » on municipal roads in urban areas

* The number of severe casualties among cyclist in 2010, 2011, and 2012 can not be determined due to a lack reliable data.



Measuring is knowing

- » Two applications to gain insight:
 - » Objective data: STAR
Smart Traffic Accident Reporting
 - » Subjective data: RSRS
Road Safety Report System

- » In general:
 - » Involving road users
 - » Collaboration between partners
 - » Collecting road safety data
 - » Sharing data with ICT solutions





STAR

Smart Traffic Accident Reporting

STAR: Smart Traffic Accident Reporting

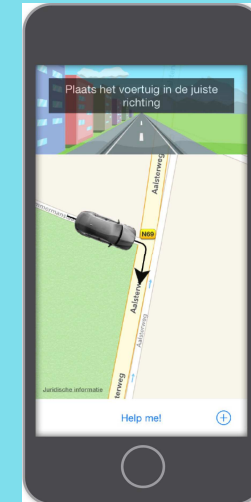
- » An innovative collaboration providing reliable accident analysis by focusing on reporting accidents efficiently
- » Focus on the entire chain:
accident > registration > analysis
 - » Police
 - » The Dutch Association of Insurers
 - » VIA



- » Broad societal representation in a Stakeholders' group for a large support
 - » Road authorities
 - » Interest groups
 - » Research organisations

Mobile Reporting App

- » A crucial role for those involved
- » Using 8 million smartphones
- » Goal
 - » Registering all accidents
 - » 'Real time' data available
 - » Complete and relevant information
 - Exact location and time **rapidly** accessible
 - Smart compiling in the Cloud
 - Manoeuvre diagram

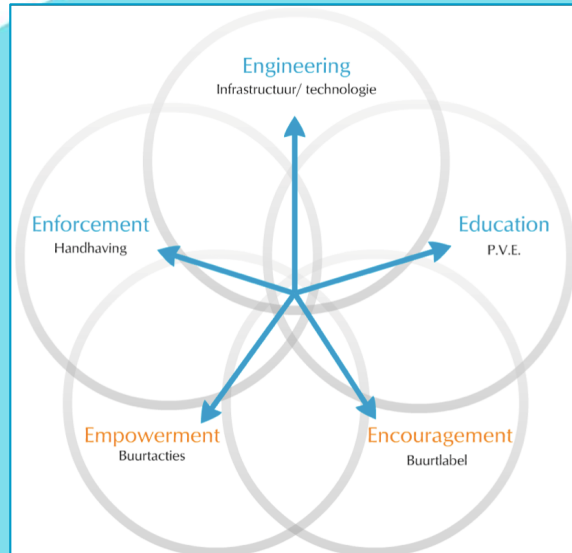




Road Safety Report System

Road Safety Report System





- » VVN and VIA work together on the Road Safety Report System (RSRS)



- » VVN represents road users
 - » Goal: supporting road users
 - » New generation of volunteers
 - » Attuned to today's society
- » VIA supports digitally and builds the road safety database

Reporting



- » Reports lead to contact and actions
 - » Detailed maps of cyclists' and pedestrians routes
 - » Questionnaire equipped for research and advice
- » App for on-the-spot reporting



Citizen participation

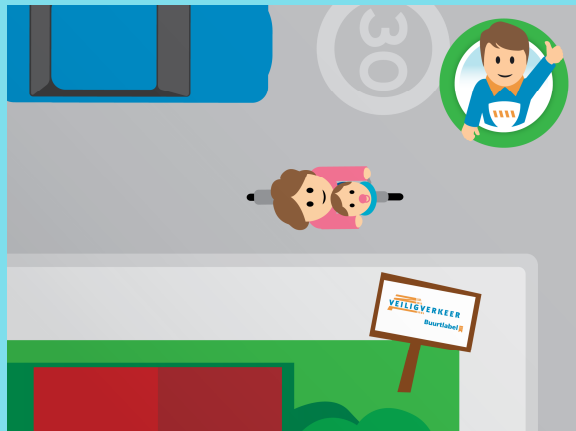


- » VVN orchestrator of citizen participation
- » Connection between citizens (road users), VVN, municipalities and the police
- » Capacity building through volunteers
 - » Awareness
 - » Visibility
- » Sharing experience and know-how

Take action



- » Enabling citizens to organise residential projects together with VVN and partners
- » The software supports
- » Citizens get rewarded

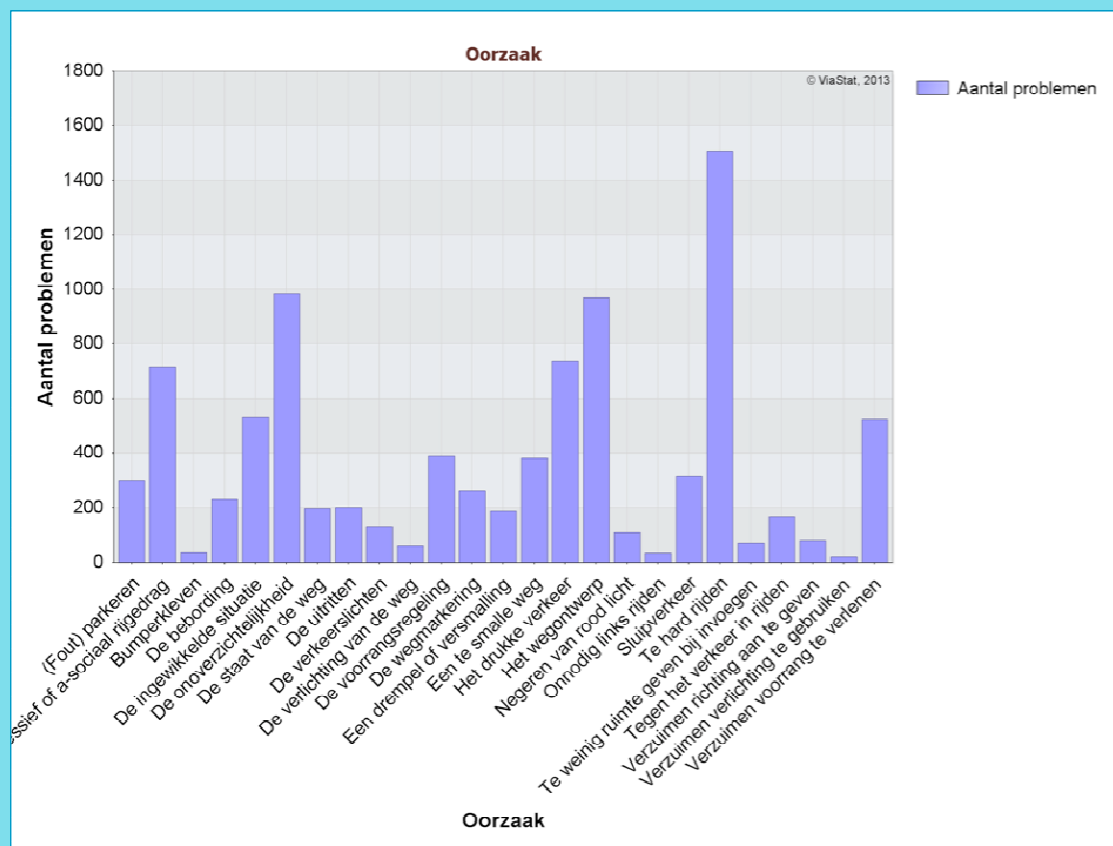


Insight into traffic experiences

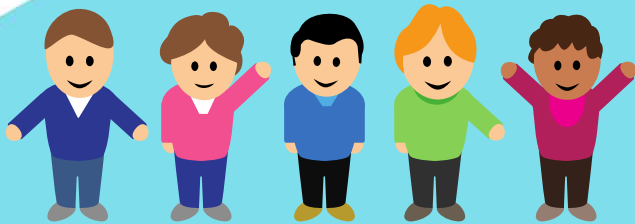


- » Statistic complement to accident data
- » Add subjective data to municipalities' road safety policy
- » Data provides insight into
 - » Location
 - » Behaviour and road design
 - » Target groups
 - » Causes

Research results



Traffic safety moves people

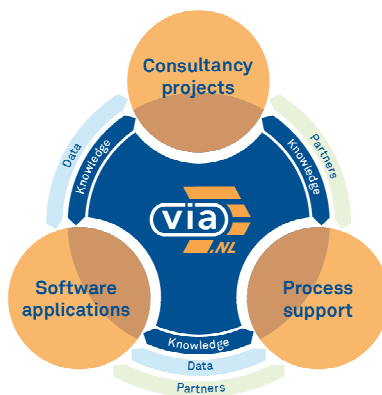


- » A lot of national attention
- » Not a place for complaints but a place for cooperation
- » Two years of experience
 - » Large potential of volunteers
 - » Insight into unsafe traffic





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More information

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