



2020 On-line College Tour Automated Driving Spatial and Transportation Impacts and Meaningful Human Control

Webinar 5 Behaviour

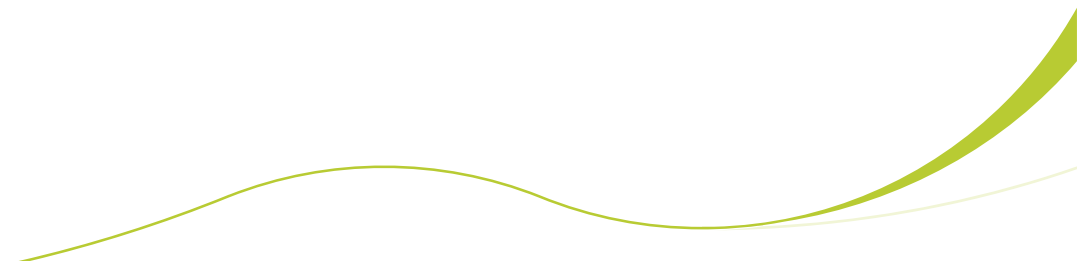




SWOV's mission: "Using our knowledge from scientific research to contribute to safer road traffic."

“Warming up...”

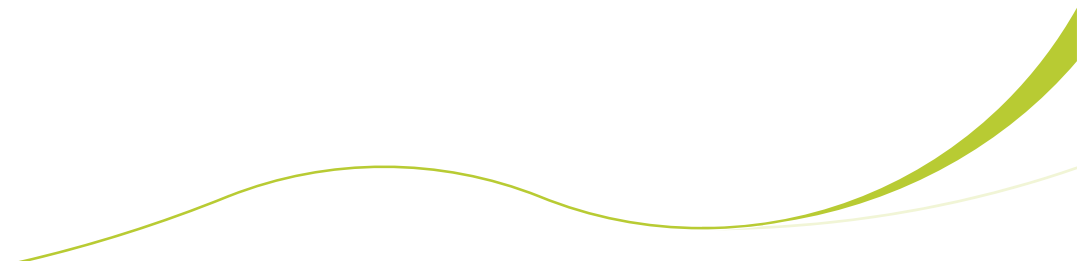
1. Who is interested in owning a self-driving car?



“Warming up...”

1. Who is interested in owning a self-driving car?
 2. Who is interested in owning a self-driving car if the price tag is 20% higher?
- 
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“Warming up...”

1. Who is interested in owning a self-driving car?
 2. Who is interested in owning a self-driving car if the price tag is 20% higher?
 3. Where can we expect the most benefits:
 - A. Environment
 - B. Safety (for driver and other road users)
 - C. Better use of urban space / spatial planning
 - D. Alternative use of time (fo driver)
- 
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SWOV.nl

SWOV's European projects



SafetyCube





UDRIVE

European Naturalistic
Driving Study

Large Scale Naturalistic
Driving Observations in Europe



*Full dataset UDRIVE
is available @ SWOV !*

LEVITATE

Societal Level Impact of Connected and Automated Vehicles

€ 6,4 million project funded by the European Commission under the Horizon 2020 research framework programme

Project coordinator: Loughborough University

Start date: 1st of December, 2018 – 3 years

Partners: 12, 10 countries



levitate



LEVITATE has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824361.

MEDIATOR

MEDIATING BETWEEN DRIVER AND INTELLIGENT AUTOMATED TRANSPORT SYSTEMS ON OUR ROADS

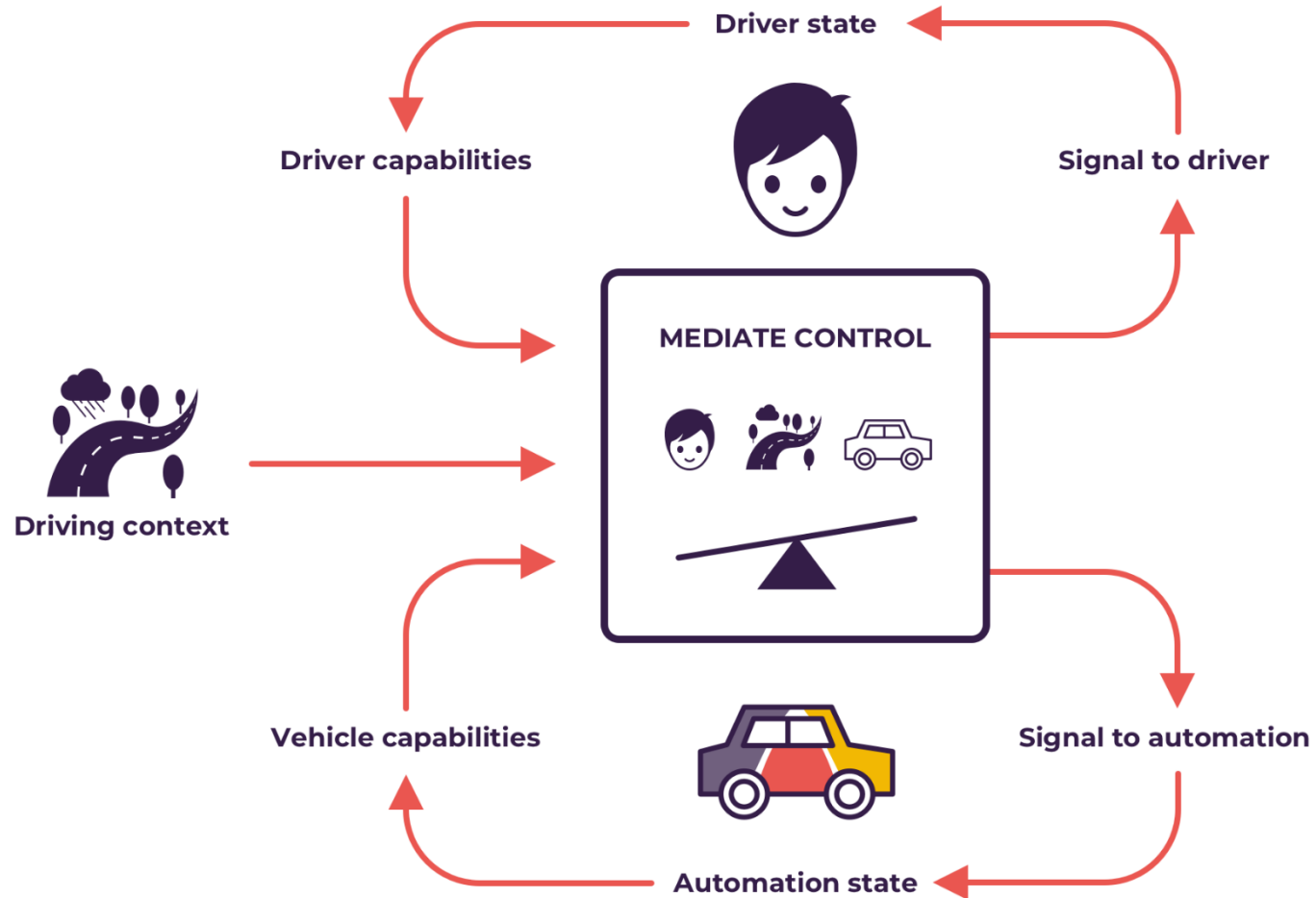
COORDINATOR: SWOV, THE NETHERLANDS



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 814735.



Mediator system



Our mission

Prevent crashes, reduce injuries, save lives!



[More about SWOV](#)



Recent updates



MEDIATOR project succesfully launched

The European project MEDIATOR has been kicked-off on 23 and 24 May in The Hague.



What do policy makers want to know about the impact of CAV?

On 28 May experts from Europe and beyond came together in Gothenburg to discuss which societal impacts connected and automated vehicles will have. The workshop was organised within the Horizon 2020...



Measures to stimulate cycling and walking

May 8-9, the final conference of the CEDR project ISAAC will take place in Brussels. The result of the project is an interactive website that allows local, regional and national policy makers to gain...



Browse through the road safety information on our website by selecting one of the road safety topics below.



Road safety in numbers



Policy



Transport mode



Human behaviour in traffic



Risks



Enforcement



Infrastructure



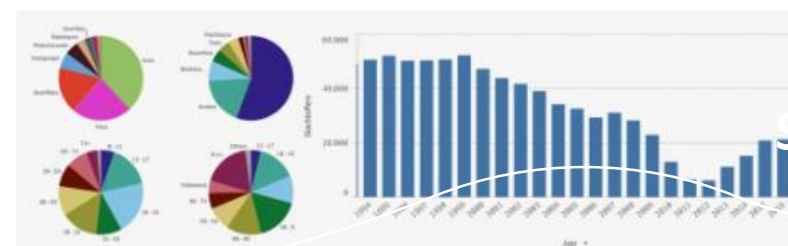
Education



Technology & ITS



International



Today



- Microphone and video off



- Questions via chat



- Presentations

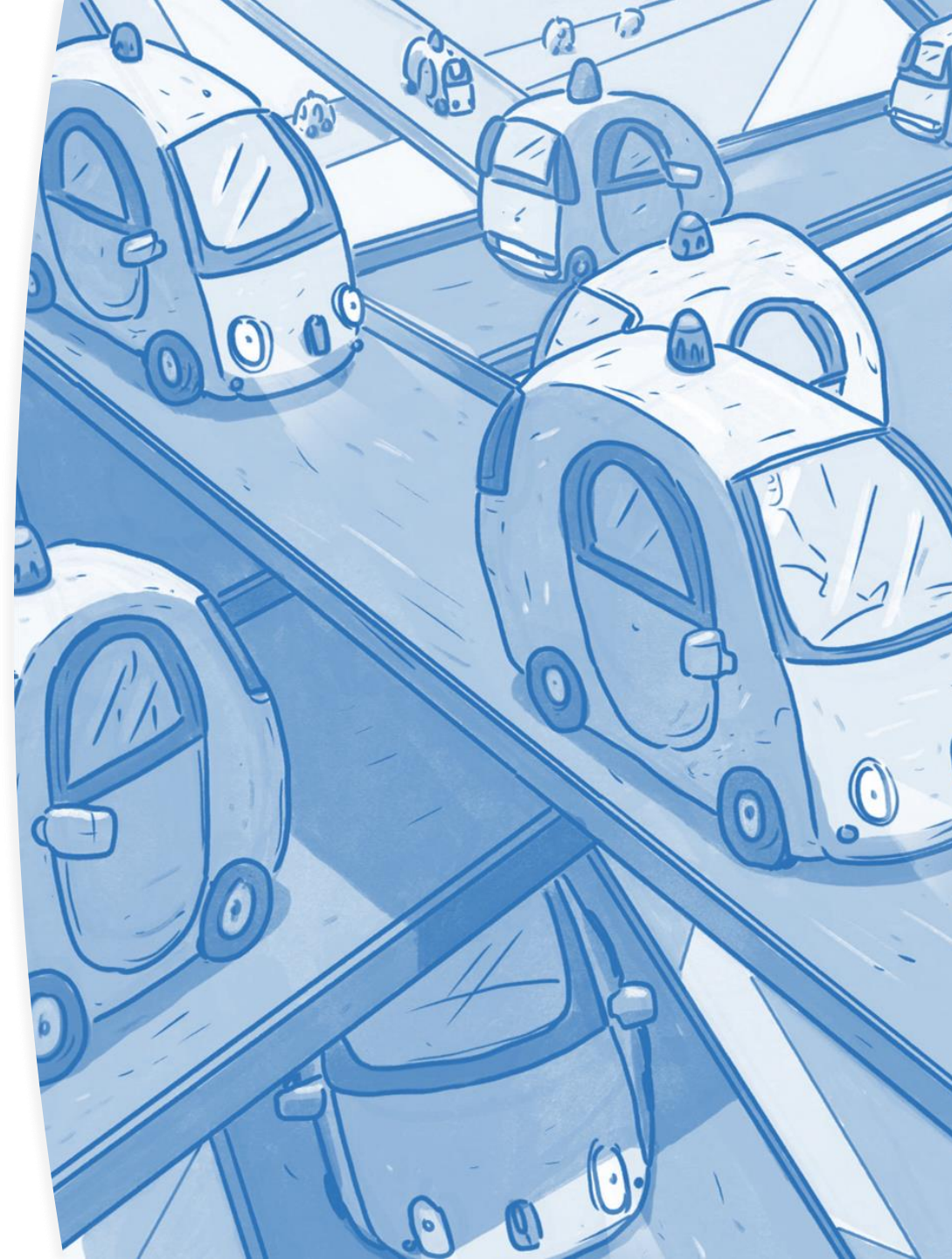
<https://stad.tudelft.nl>



- Recording

Agenda

- 15.00 – 15.10 Introduction Peter van der Knaap
- 15.10 – 15.30 Reanne Boersma – The road from pilots to implementation. Lessons learned based on knowledge gained from practice
- 15.30 – 15.50 Daniël Heikoop – The search for personal control over our automated cars: tailor-made or tailor-taught?
- 15.50 – 16.10 Pablo Nuñez Velasco – Should I stop or should I cross? Interactions between vulnerable road users and automated vehicles
- 16.00 – 16.30 Questions



The road from pilots to implementation. Lessons learned based on knowledge gained from practice

- What can we learn from previous pilots?
- What are promising situations where AVs can be deployed?



Reanne Boersma



The search for personal control over our automated cars: tailor-made or tailor-taught?

- Meaningful human control over automated cars mismatch supply and demand
- Easy tasks taken over, complex tasks left for driver, plus more added
- Individual differences call for individual approaches



Daniël Heikoop



Interactions VRUs & Automated Vehicles

- What factors that are important to study?
 - Automation factors
 - Vehicle behaviour factors
 - Psychological factors
- How to study the interactions?
- What can we learn from these experiments?
- What does it mean for future research and for practice?



Pablo Nuñez Velasco

