

The impact of experiencing adas on Smart Mobility professionals

IJDS – 15 june
2017
Ilse Harms
Matthijs Dicke
Gerben Bootsma

adviseurs
mobiliteit

**Goudappel
Coffeng**

Main goal

- **Determine effects of supervised driving with driver support systems concerning**
 - ... change in view on development of autonomous driving
 - ... attitude
 - ... acceptance
 - ... expectations regarding traffic safety and congestion
 - ... moment of introduction
 - ... situations in which the driver allows the car to drive autonomously

3 questionnaires

- 2 days before the course
- During the course (after two trips)
- 2 weeks after the course

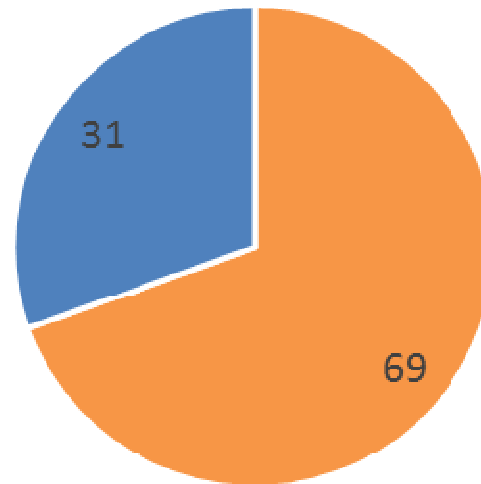
| | Before | During | 2 weeks after |
|--------|--------|--------|---------------|
| day 1 | 35 | 34 | 27 |
| day 2 | 37 | 34 | 26 |
| day 3 | 15 | 11 | 11 |
| day 4 | 29 | 19 | 16 |
| day 5 | 25 | 23 | 20 |
| day 6 | 25 | 24 | 18 |
| totaal | 166 | 145 | 118 |

What participants learned

- Better understanding of the capabilities of systems
- Autonomous driving is comfortable
- Development is quickly
- however, technology is less developed than expected
- Car brands have developed very different systems
- The Mercedes was valued as most comfortable

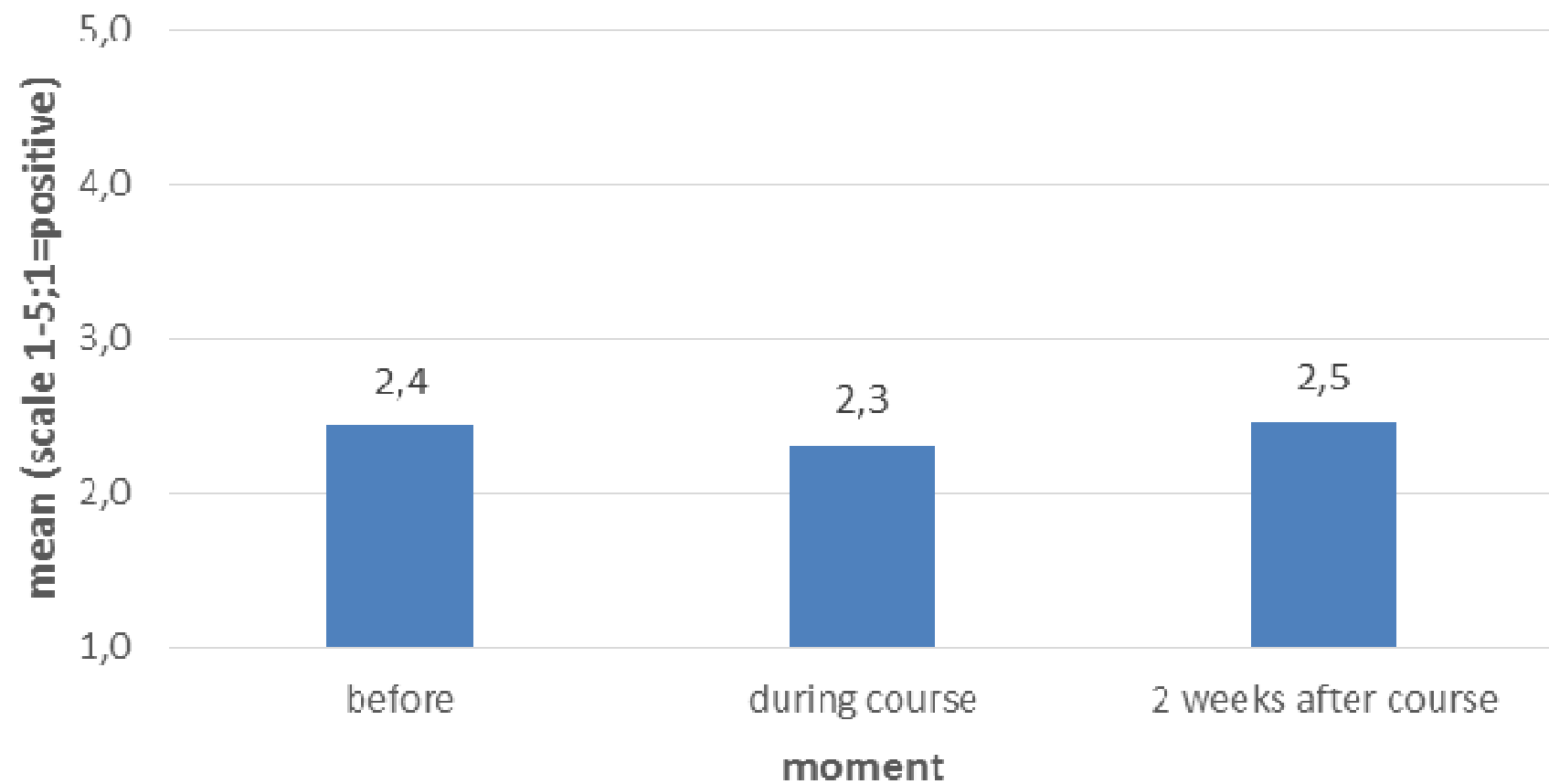
**Did the course influence your view on your work
or did you change anything in the way you do your
work concerning smart mobility**

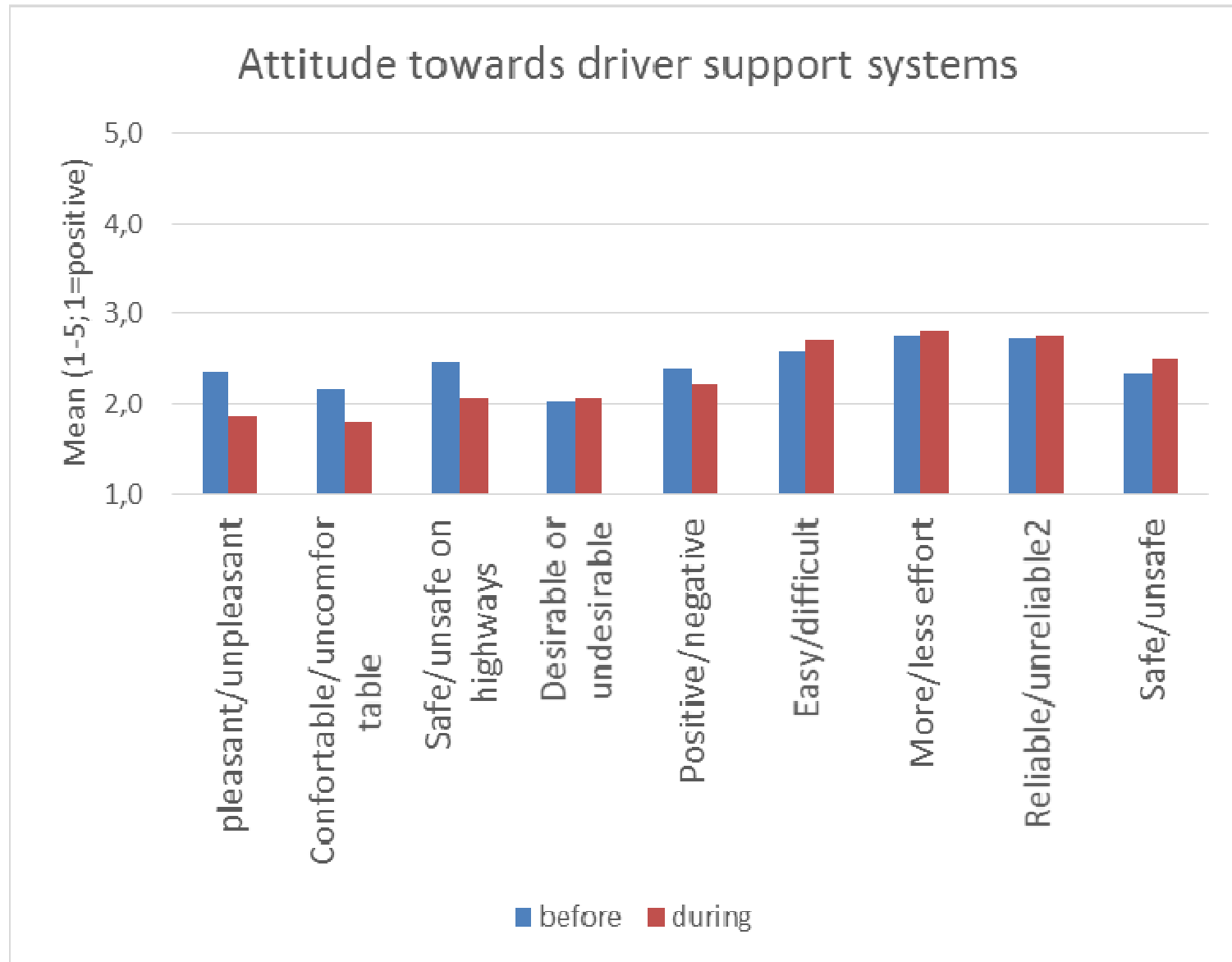
Change in work as a result of the course



Yes No

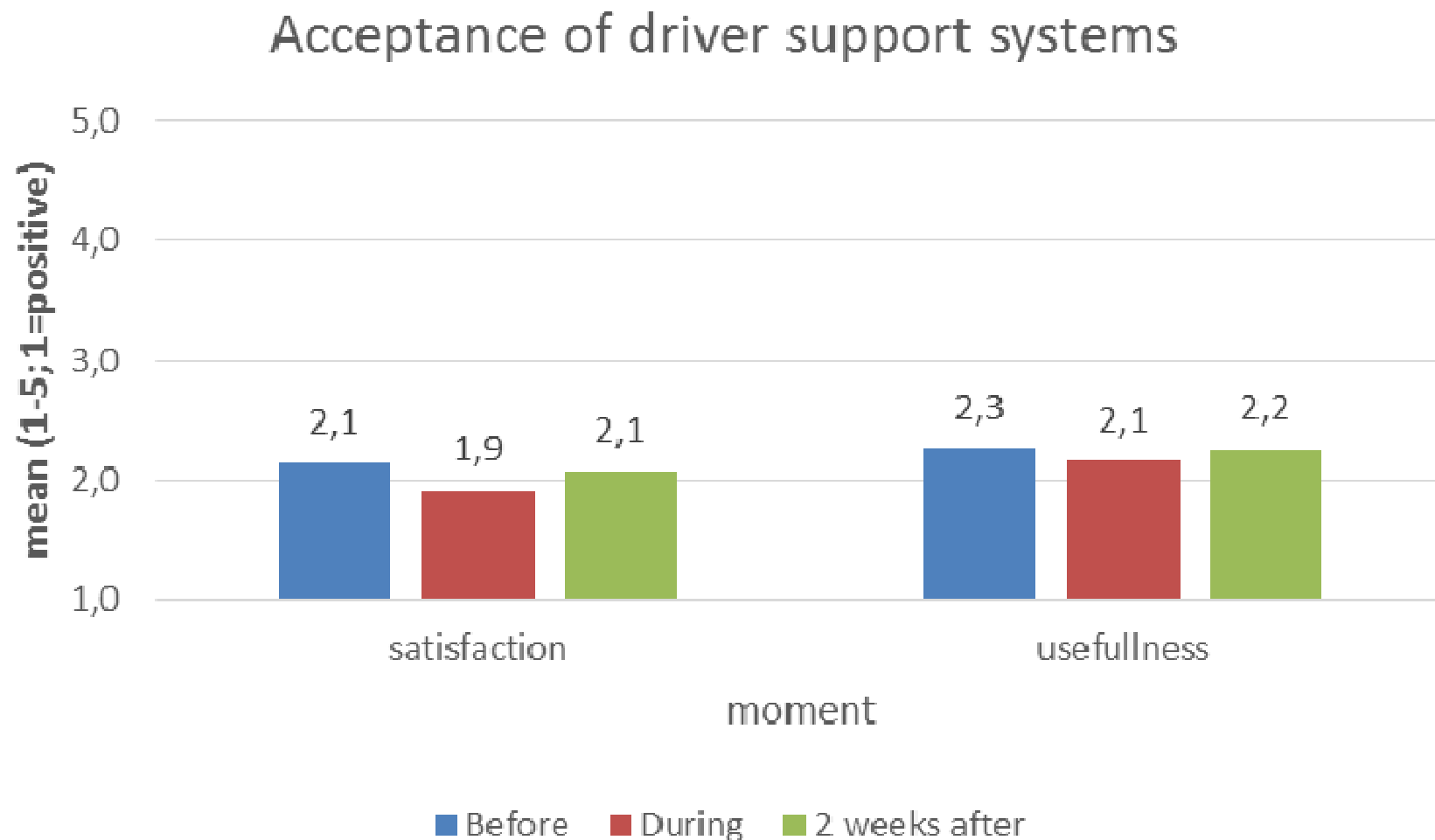
Attitude towards driver support systems





Acceptance

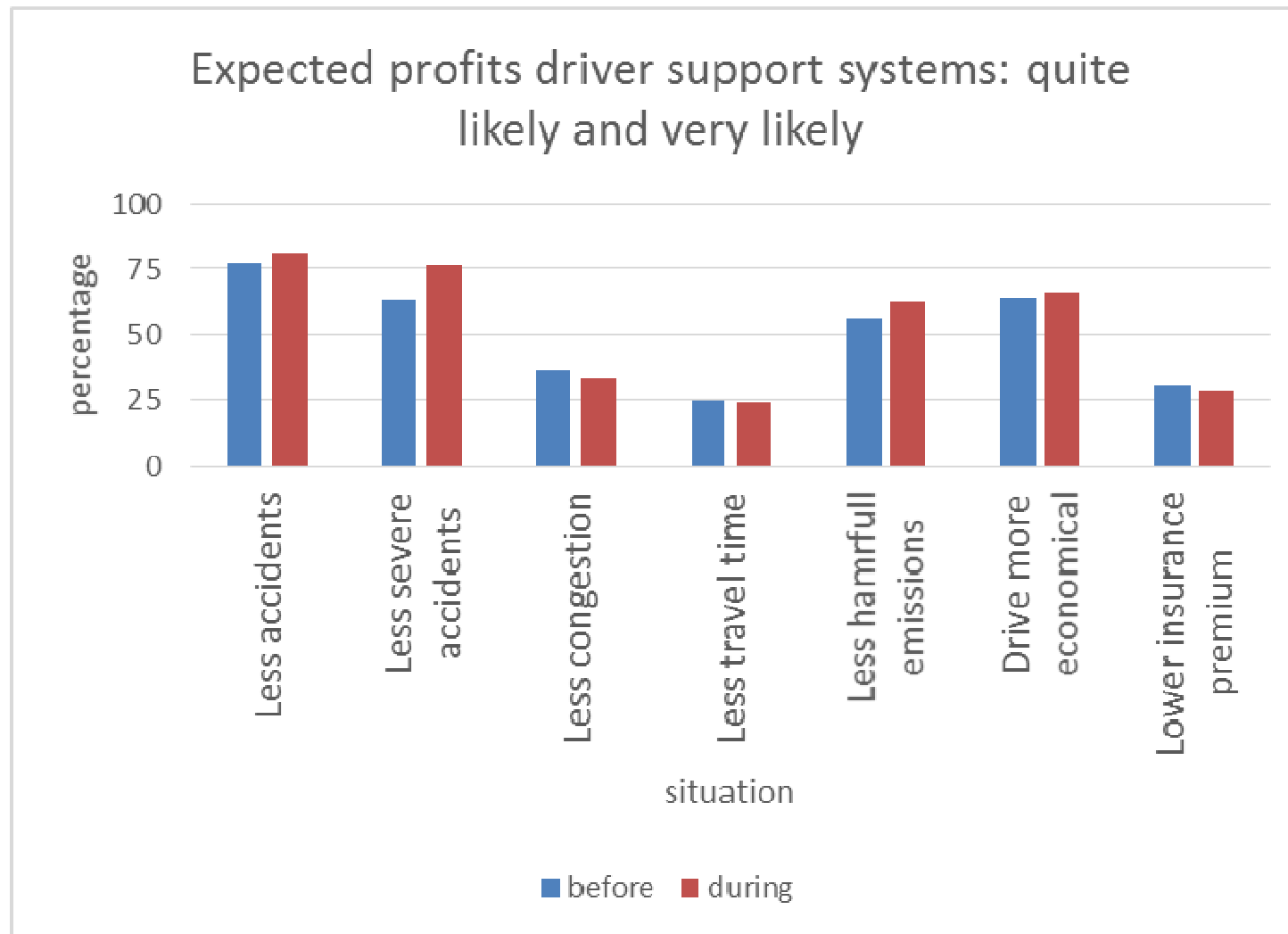
Van der Laan, Heino, De Waard (1997)

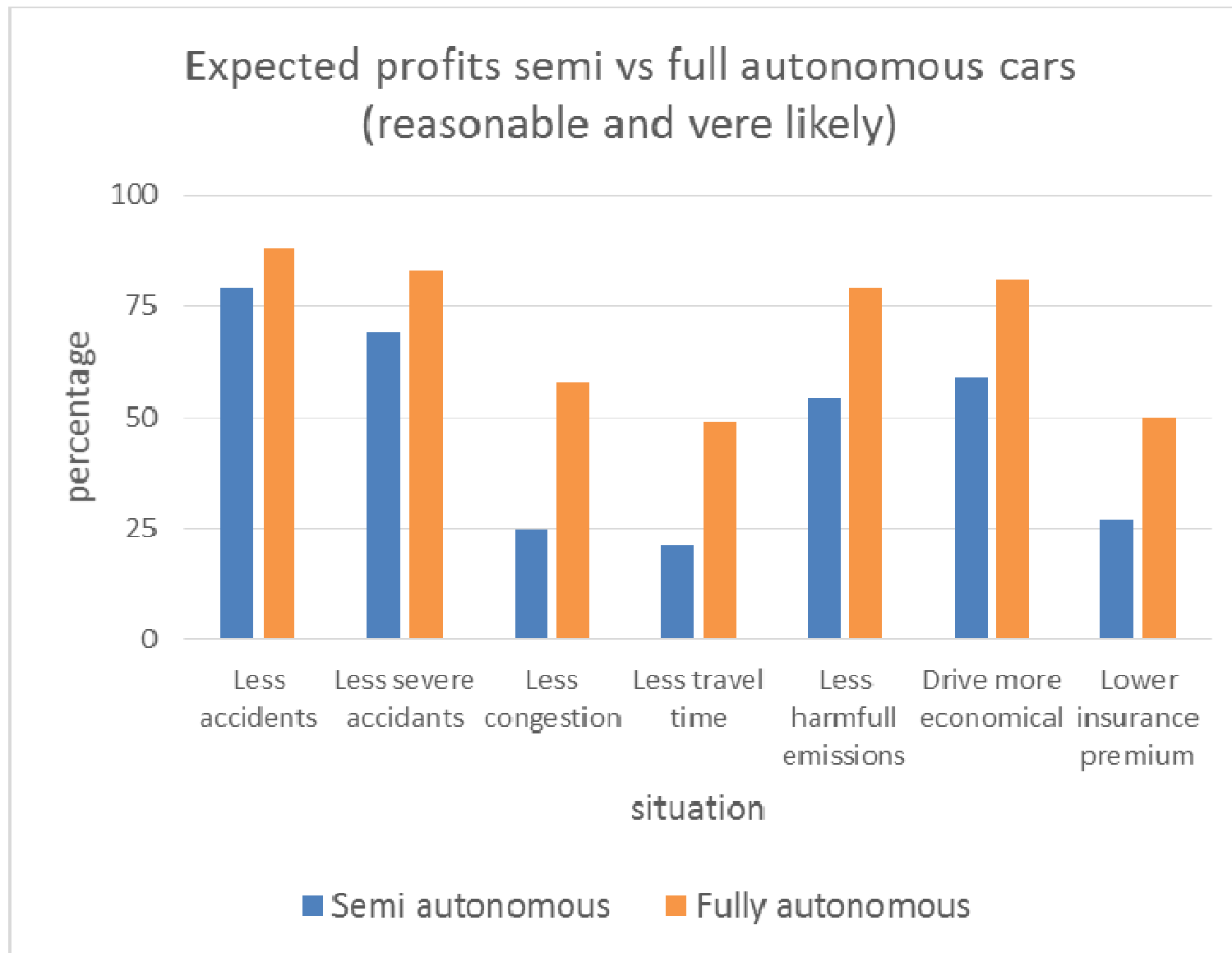


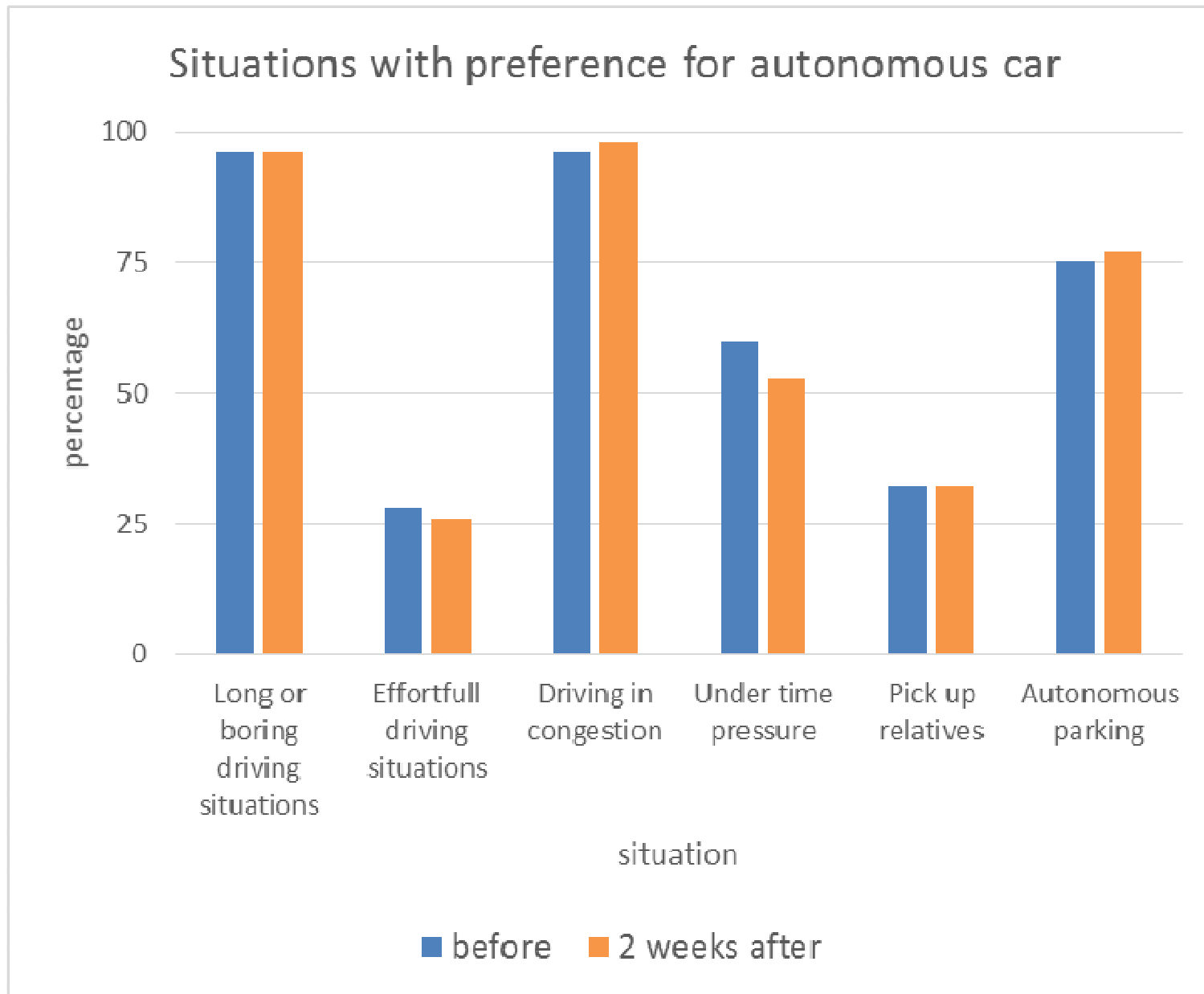
Concern for own safety if most cars drive autonomous



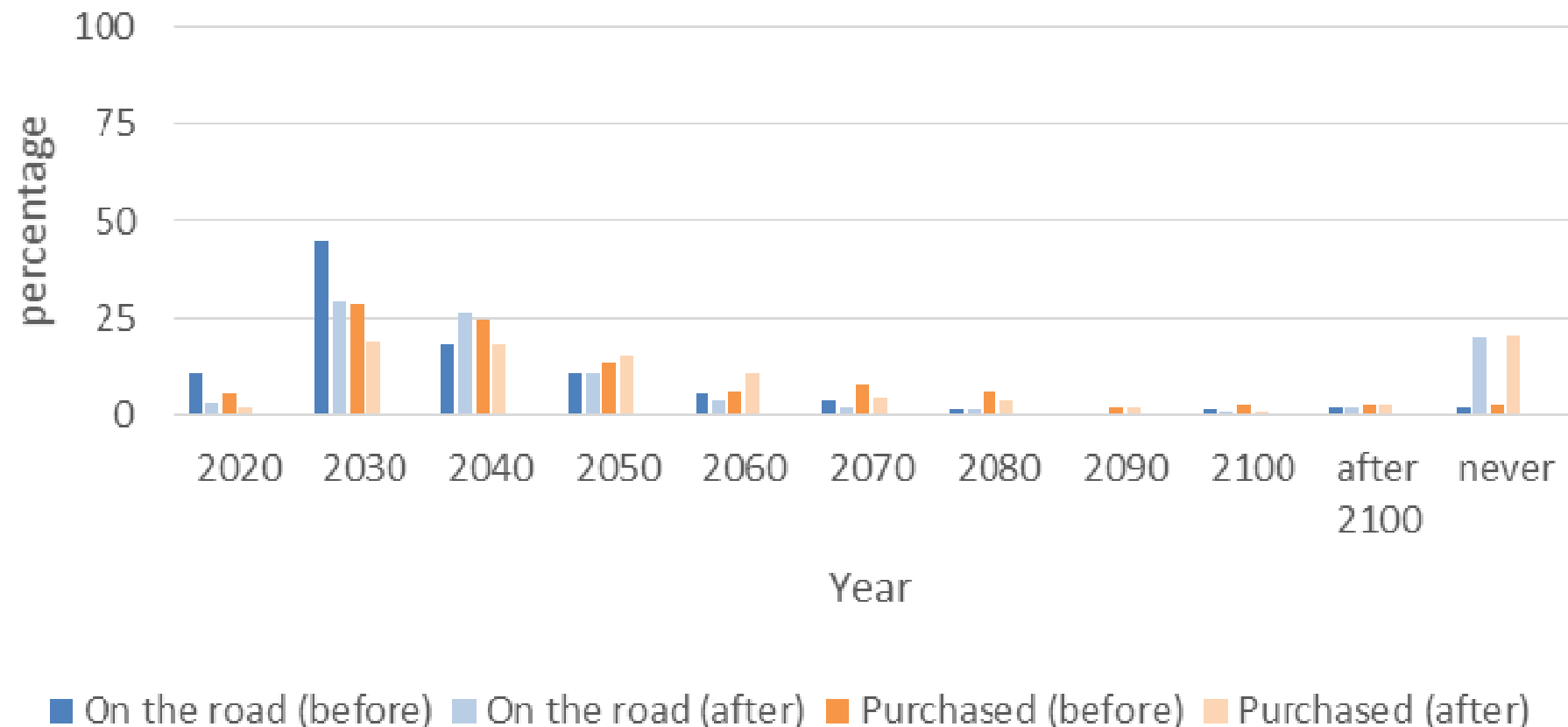
Statements







Expected year of introduction and purchase of semi or fully autonomous cars



Conclusions

- **Happy participants! They experienced how ACC, lane keeping and lane changing works**
- **Course changes perspective on work for Smart Mobility**
- **Attitude more positive concerning comfort, pleasure and safety**
- **Benefits expected concerning traffic safety and environment**
- **No benefits concerning congestion**
- **Benefits congestion expected for autonomous driving**

Advise

**Offer stakeholders the
opportunity to
experience the
autonomous car!**