



COST ACTION CA16222

# WISE-ACT

Wider Impacts and Scenario Evaluation of  
Autonomous and Connected Transport



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of the European Union

# Social Challenges of ACT

## WORKING GROUP 2 - THEMATIC REPORT

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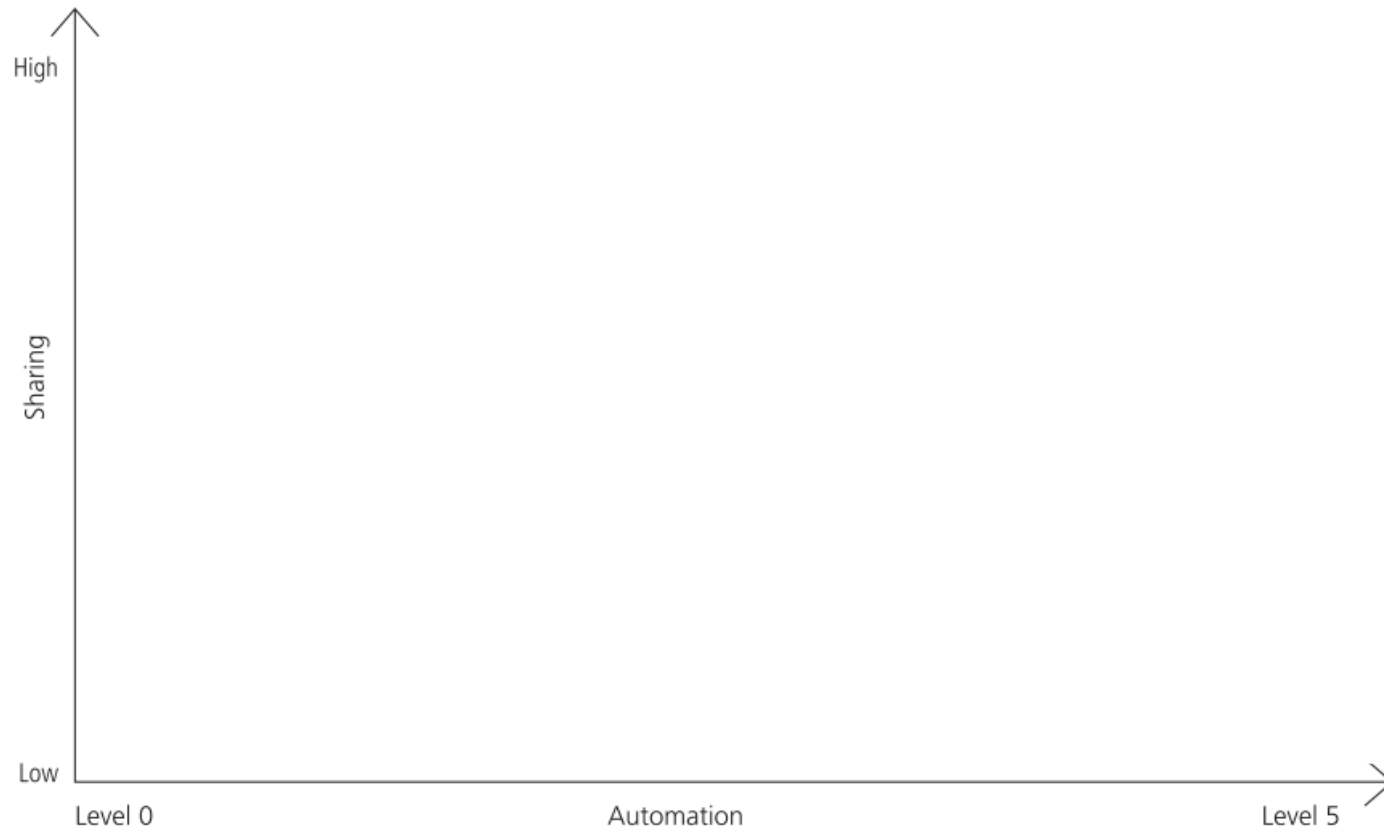


# Working Group 2 Social Challenges Thematic Report

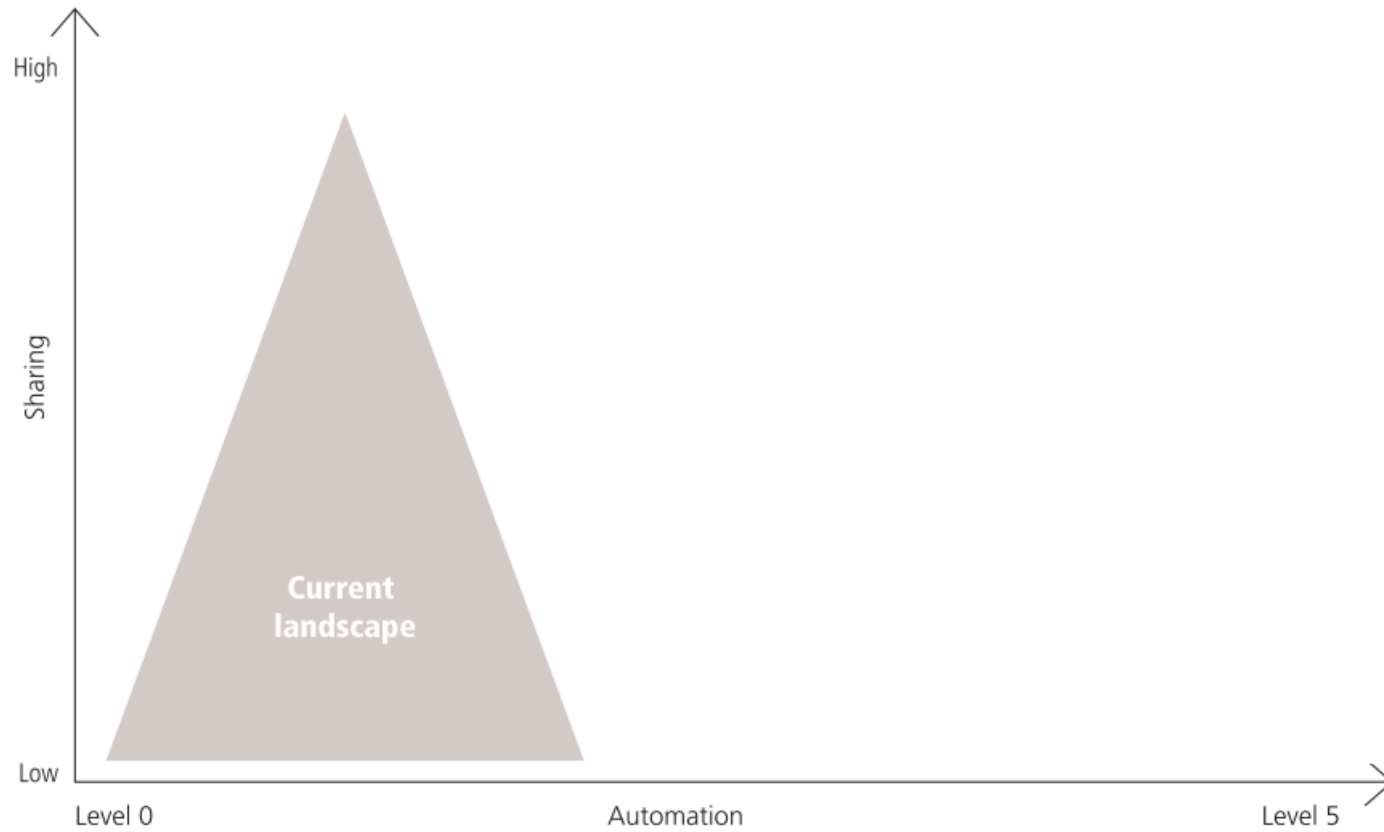
- A big thank you to all our WG2 members and the authors: Karel Martens, Eda Beyazit, Einav Henenson, Nikolas Thomopoulos, Dimitrios Milakis, Milos Mladenovic, Baiba Pudane, Bert van Wee, Florida Di Ciommo, Angela Curl, Federico Cugurullo, Elena Dimitrova, Mihaela Negulescu
- 7 chapters: introduction; the exclusionary nature of ACT, four scenarios, policy recommendations
- Concerns over sustainability, fairness, safety, inclusivity
- People-focus vs focusing on the technology and the functioning of transport modes
- Key questions:
  - *To what extent can ACT futures contribute to a more inclusive transport system?*
  - *How could governments steer the development of different ACT futures so as to enhance their contribution to a more inclusive system?*



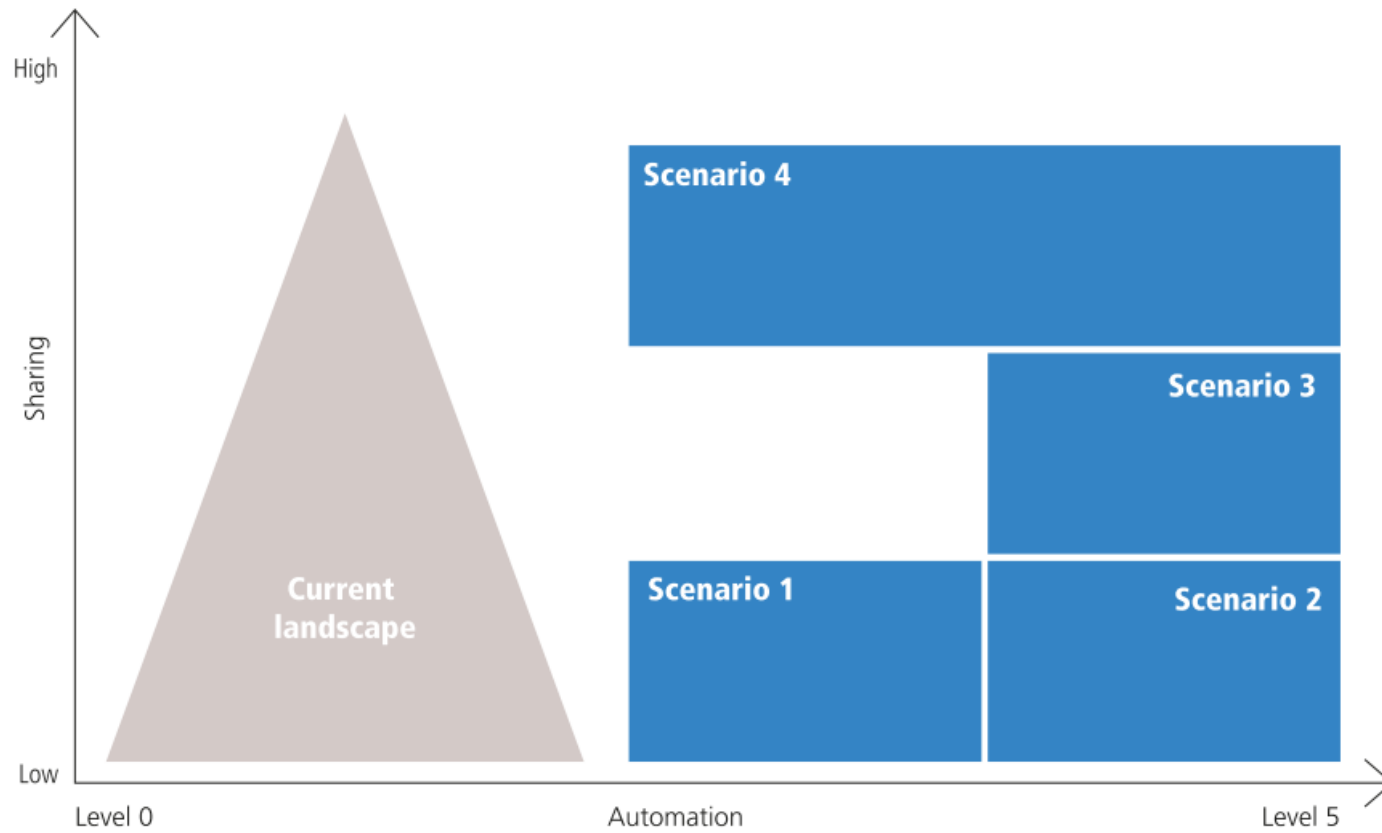
# ) Scenarios



# ) Scenarios



# )) Scenarios



# ) Target Groups

	Scenario or deployment type
<b>1</b>	Privately-owned partial automated ACT-vehicles
<b>2</b>	Privately-owned fully automated ACT-vehicles
<b>3</b>	Sequential carsharing services
<b>4</b>	Partially automated ACT-based public transport
	Fully automated ACT-based public transport

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## Contribution to inclusive transport system by group

Low income  
Young  
Older  
Disabled  
Women  
Without driving licence  
Living remotely  
Digitally unconfident  
Unprotected road users

***9 distinct target groups***

# ) Target Groups

**Figure 5: Overview of the major expected impacts of various ACT deployment scenarios on various target groups.**

Scenario or deployment type		Contribution to inclusive transport system by group								
		Low income	Young	Older	Disabled	Women	Without driving licence	Living remotely	Digitally unconfident	Unprotected road users
<b>1</b>	Privately-owned partial automated ACT-vehicles	0	0	+	+	0	0	+	0	?
<b>2</b>	Privately-owned fully automated ACT-vehicles	0	+	++	++	0	++	++	0	?
<b>3</b>	Sequential carsharing services	?	+	+	+	+	++	0	0	+
<b>4</b>	Partially automated ACT-based public transport	+	+	+	?	+	++	0	?	?
	Fully automated ACT-based public transport	++	++	++	?	+	++	+	?	?

## Legend

- 0 The ACT scenario will have no or only few positive mobility and accessibility benefits for members of the group
  - +
  - ++ 'A substantial share of the group is likely to enjoy increased mobility or accessibility in the ACT scenario
  - ?
- 'Unclear whether the ACT scenario will contribute positively (or negatively) on the mobility and accessibility of group members



# ) Policy recommendations

Figure 6: Overview of policy recommendations to make transport systems more inclusive.



- Regulation
- Public-focus
- Technology integration
- Share best-practices

# Thank you!



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