WHAT IS THE QUESTION?
Outline

- Contemporary challenges
- What is the question?
- WISE-ACT
Contemporary challenge

The enemy of good

- Can we afford waiting for HAVs?
- At what cost and for how long?

Kalra and Groves (2017)
Where are we now?  

...and where should we focus?

*Daimler* Trucks North America’s (DTNA) landmark project, which had swallowed some **$4.3 billion** in R&D investment over the ten-year period leading up to the launch in 2015 according to **DTNA**, has gone quiet. On the surface, the reason for the rapid reversal could be clerical in nature: Despite Freightliner being able to demonstrate the technical viability of the Inspiration Truck concept, going public with it instantly kicked off a debate on the political and socio-economic impact of autonomous driving that voided much of the project’s initial magic and has still not been resolved.
So what is the question now?

More importantly: is there an answer?

Harmonisation – Interoperability - Scalability

CA16222  WISE-ACT
Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport
**Working Groups**

- **Institutional & Regulatory**
  - macro-economic, fiscal, ethical
  - (WG1)

- **Social challenges**
  - social/societal issues, equity, privacy, legal, data management
  - (WG2)

- **Business Case / Logistics**
  - business models, logistics impacts
  - (WG3)

- **Travel Demand**
  - travel behaviour
  - user preferences
  - (WG4)

- **Transport system**
  - (WG4)

- **Scenarios**
  - development
  - evaluation
  - projections

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**BUSDINESS SCHOOL**
• **WG1: Regulatory, Government, Macro-economic challenges**
  T₁: identify the macro-economic and fiscal implications of ACT and propose appropriate policy measures
  T₂: review the required legal framework including its underlying ethics and accommodating liability concerns
  T₃: explore safety scenarios of widespread ACT deployment and inform the development of relevant standards

• **WG2: Social challenges**
  T₄: understand the value of travel time under an ACT scenario
  T₅: evaluate the privacy and security concerns emerging from the deployment of ACT
  T₆: categorise the anticipated equity impacts and propose suitable principles and criteria for an inclusive and fair transport system of the future

• **WG3: Business challenges**
  T₇: examine business implications for the logistics sector
  T₈: classify viable business models
WG4: Transport system

T_9: identify the key economic, social, demographic, behavioural and cultural factors and barriers that determine a positive attitude of users towards AVs introduction

T_{10}: analyse the behaviour of AV end users by comparing their preferences and choices based on hypothetical mobility options through existing Stated-Preference experiments

T_{11}: propose a taxonomy of potential sites for deployment of AVs while taking into account the geographical, social, economic, environmental and transport characteristics of the areas under study

WG5: Scenario evaluation

T_{12}: develop and evaluate a number of scenarios of AVs deployment throughout Europe

T_{13}: compare the results of simulation analyses across different localities

T_{14}: to develop a set of criteria and indicators which can inform policy makers about deployment of ACT in a certain locality
Next steps

For more info and to get involved:

- Visit COST website: http://www.cost.eu/COST_Actions/ca/CA16222
- Go through the MoU
- Choose relevant Working Group
- Contact us
- Make contribution!
- Next workshop: 15th – 16th March 2018
Let’s assist cities to act wisely…

Have a safe journey!
ANY QUESTIONS

Nikolas Thomopoulos: N.Thomopoulos@greenwich.ac.uk
Seppo Haataja: seppo.haataja@businesstampere.com