

An aerial photograph of a city, likely London, showing a dense urban landscape with numerous buildings, streets, and green spaces. A large, semi-transparent blue rectangle is overlaid on the right side of the image, containing white text. The text is arranged in three lines: 'UK Transport Infrastructure Summit' on the first line, 'May 2018' on the second line, and 'Lucy Dean' on the third line. The font is a clean, sans-serif typeface.

# UK Transport Infrastructure Summit

May 2018

Lucy Dean

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FOCUS = Getting the balance right between more tarmac and demand management in a world of AVs

How the digital railway can be transformational

How digital technology is enabling transport organisations to put the passenger at the heart of operations.

# AVs – a mixed picture



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# AVs – what will they mean?



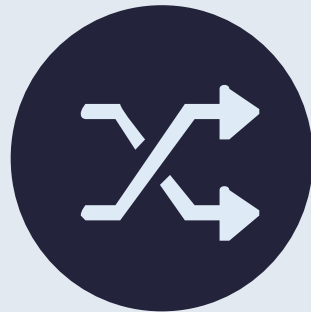
Relieve congestion



Improve speed  
and reliability



Productive use  
of travel time



Accessibility



Car sharing



Improve safety

# What are the challenges



Public acceptability



Potential for sprawl



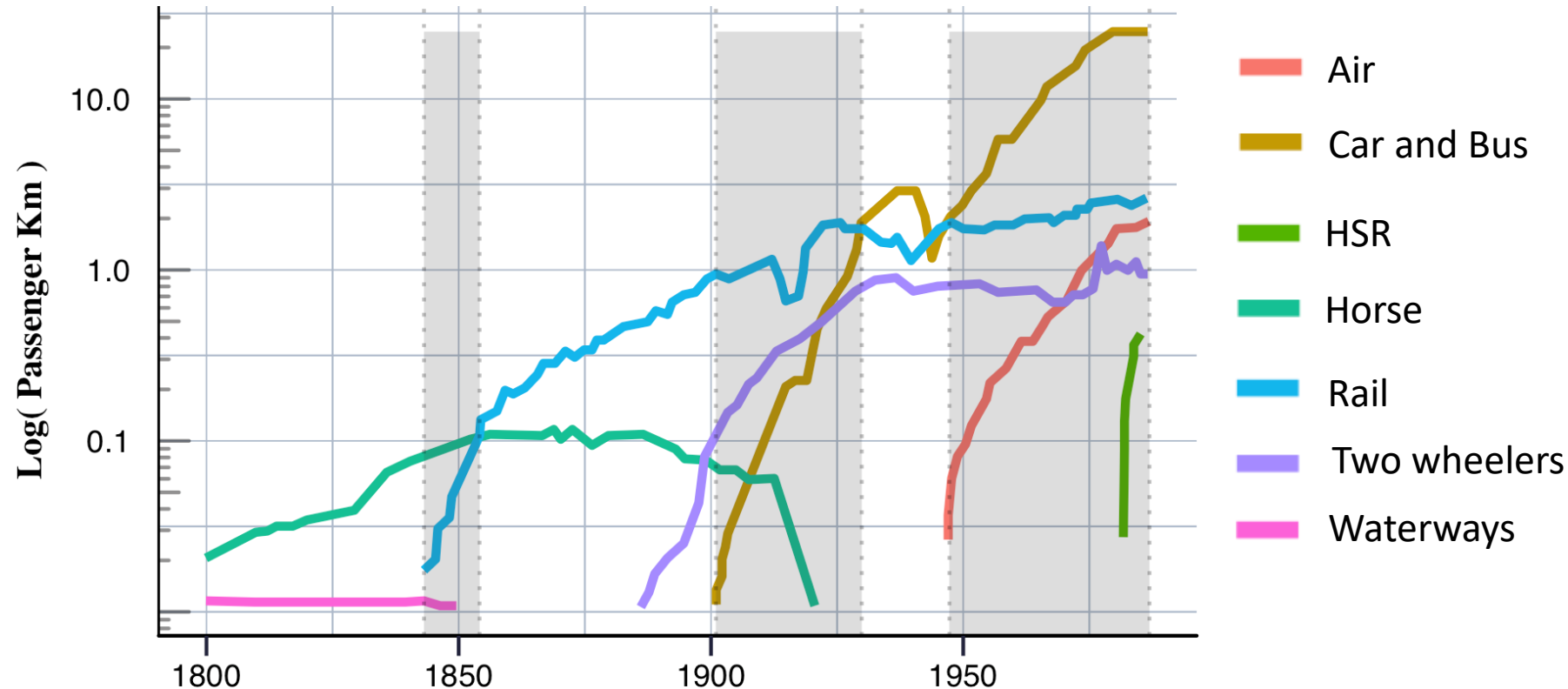
Potential  
cybersecurity issues



Trip generation

# Forecasting demand

New modes rapidly replace old ones



source: Grübler (1990)

# Capacity or manage demand?

It depends!

## CAPACITY

- When a lack of transport is constraining growth
- Crossrail
- Digital railways

## MANAGE DEMAND

- Where increase in demand could eradicate benefits
- Potentially AVs
  - Manage demand and give road space to other users/development?

Thank You  
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The logo for Volterra, featuring a stylized blue wave or arc on the left and the word "Volterra" in white text on a dark blue rectangular background.

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