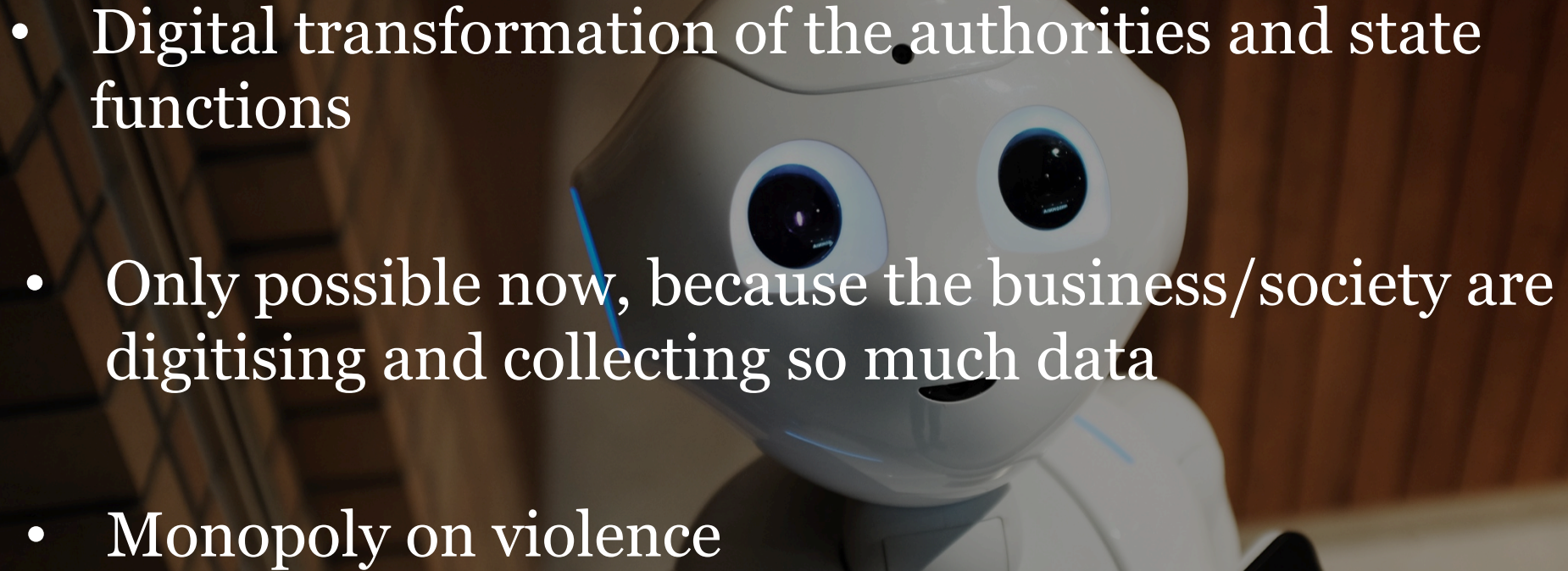




The second stage of digital transformation

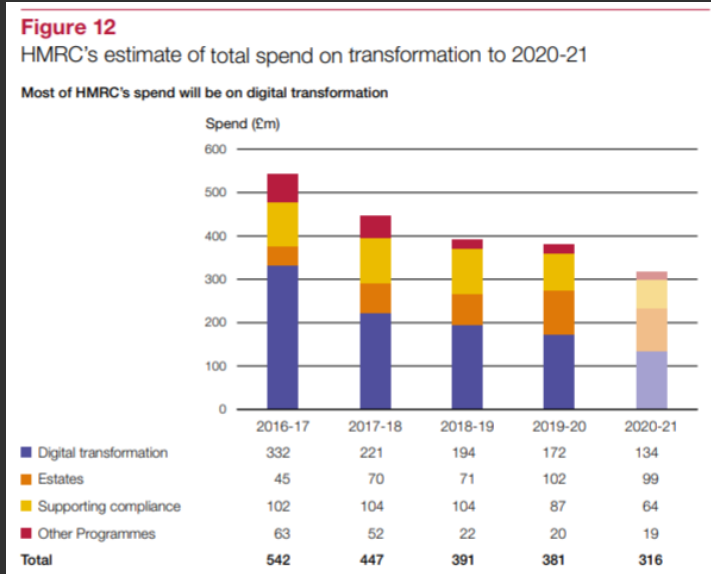
Christian R. Ulbrich



- 
- A white humanoid robot named Pepper is shown from the chest up, holding a tablet. The robot has large, expressive eyes and a friendly appearance. The background is a blurred indoor setting. A dark semi-transparent overlay covers the entire image, with white text and bullet points. The text is centered and reads: 'Digital transformation of the authorities and state functions', 'Only possible now, because the business/society are digitising and collecting so much data', and 'Monopoly on violence'.
- Digital transformation of the authorities and state functions
 - Only possible now, because the business/society are digitising and collecting so much data
 - Monopoly on violence

Indicators

- Practical examples

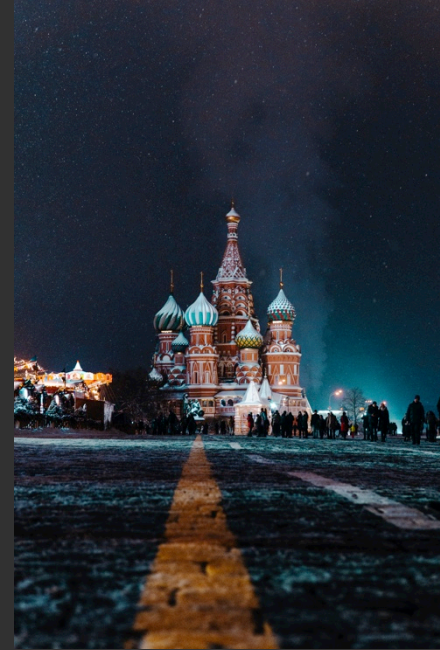


- Connect platform
 - Web scrapping
 - Property portal -> Second home sale
 - £45-£100 million vs. £3 billion
- Agreement with Amazon, Ebay etc.
- Satellite pictures -> renovation vs. repair

Indicators



Indicators



Indicators



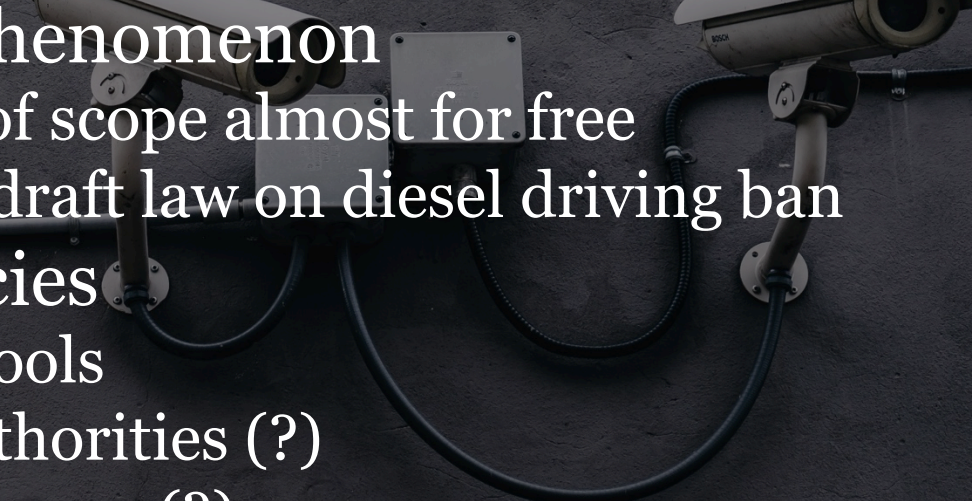
- Theoretical considerations
 - General development
 - Tax only the beginning
 - Nature of tasks carried out by public administrations
 - Research on automation
 - Volumes of data available
 - Pressure for change (more with less)

What will be the general consequences? (I)

- We have no idea
- Transfer from private sector
 - Near zero marginal costs
 - Winner takes most
 - Network effects



What will be the general consequences? (II)

- Zero Cost of Control phenomenon
 - Enormous extent of scope almost for free
 - 'Parking tickets' / draft law on diesel driving ban
 - Centralization tendencies
 - Centralized data pools
 - Bigger, but less authorities (?)
 - Concentration of power (?)
 - Unfolding with different speeds across the world
 - 'Dichotomy' of the world (western-style democracies vs. autocracy)?
- 
- The background image shows two white Bosch security cameras mounted on a dark, textured wall. A central white power box is connected to both cameras by black cables. The cameras are positioned horizontally, one on the left and one on the right, both pointing towards the right side of the frame.

Major threat to federalism?



- Estonia
- National AI strategies (Finland, France, Germany)

Switzerland?



196 technological solutions from 72 different providers for 78 services
(egov.ch Jahresbericht 2016)

PRIVATE

**Information privacy/data protection
VS.
'Institutional design'**

Christian R. Ulbrich

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