

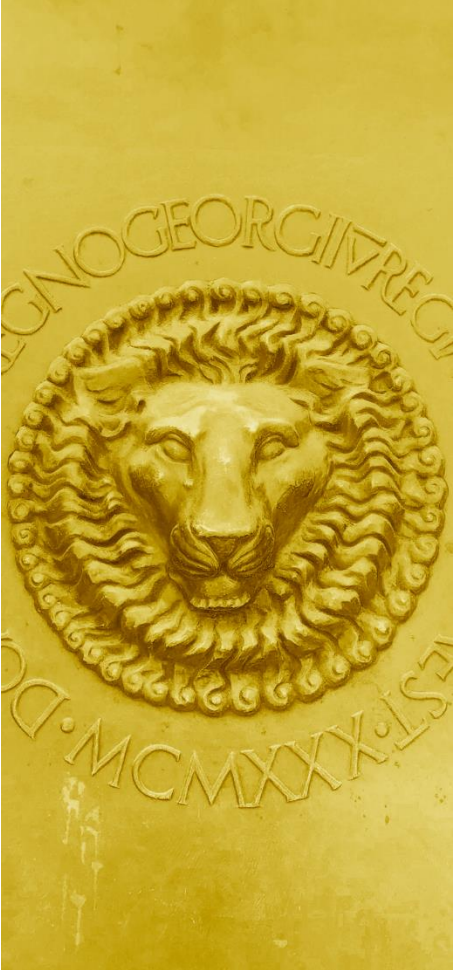
Bank of England

Digital Money & Industry4.0

Will Lovell – 9th June 2022



Digital Money & Industry 4.0



- Who am I?
.....and what am I doing here?
- What is Central Bank Digital Currency?
.....and how does it differ from existing payment methods?
- What are the challenges of CBDC?
.....and what are we doing about them?
- What could the Industry 4.0 use cases be?
.....and am I right about them?
- What next?

Who am I?.... and what am I doing here?



“Promote the good of the people of United Kingdom through monetary stability and financial stability”

What is a Central Bank Digital Currency?

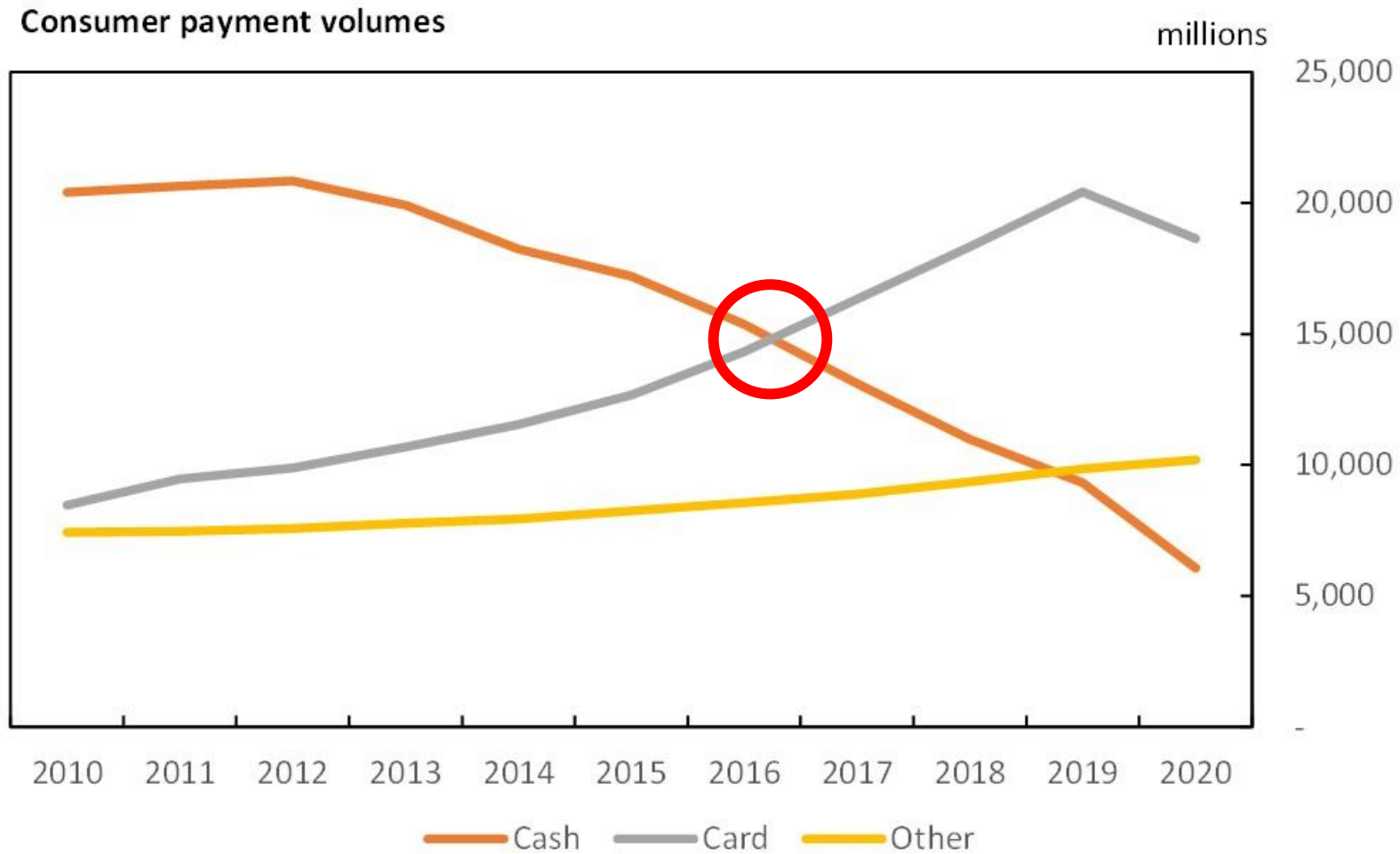


- Digital equivalent of a bank note
- Usable in shops, online and person to person
-but digital

But, how is this different from existing payment methods?

- Designed to be digital from the ground up
- Issued by the central bank

What is a Central Bank Digital Currency?



Source: UK Finance, Bank of England Calculations

Challenges of a CBDC



Data?

- How much?
- Privacy?
- Anonymity?
- Value?



Offline?

- Terrain?
- Power?
- Telecoms?



Ambition?

- Smart money?
- Smart contracts?

Industry 4.0 Opportunities...



**Supply
Chain &
Logistics**



**Autonomous
vehicles and
robots**



IIoT

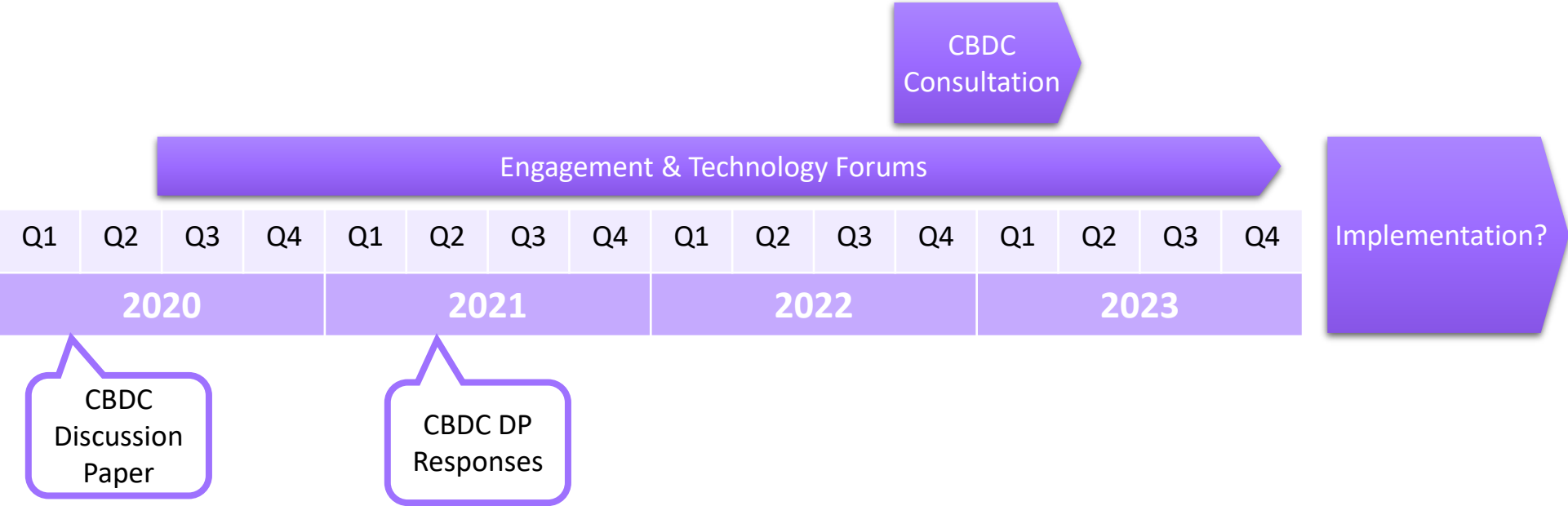


**Energy
Management**

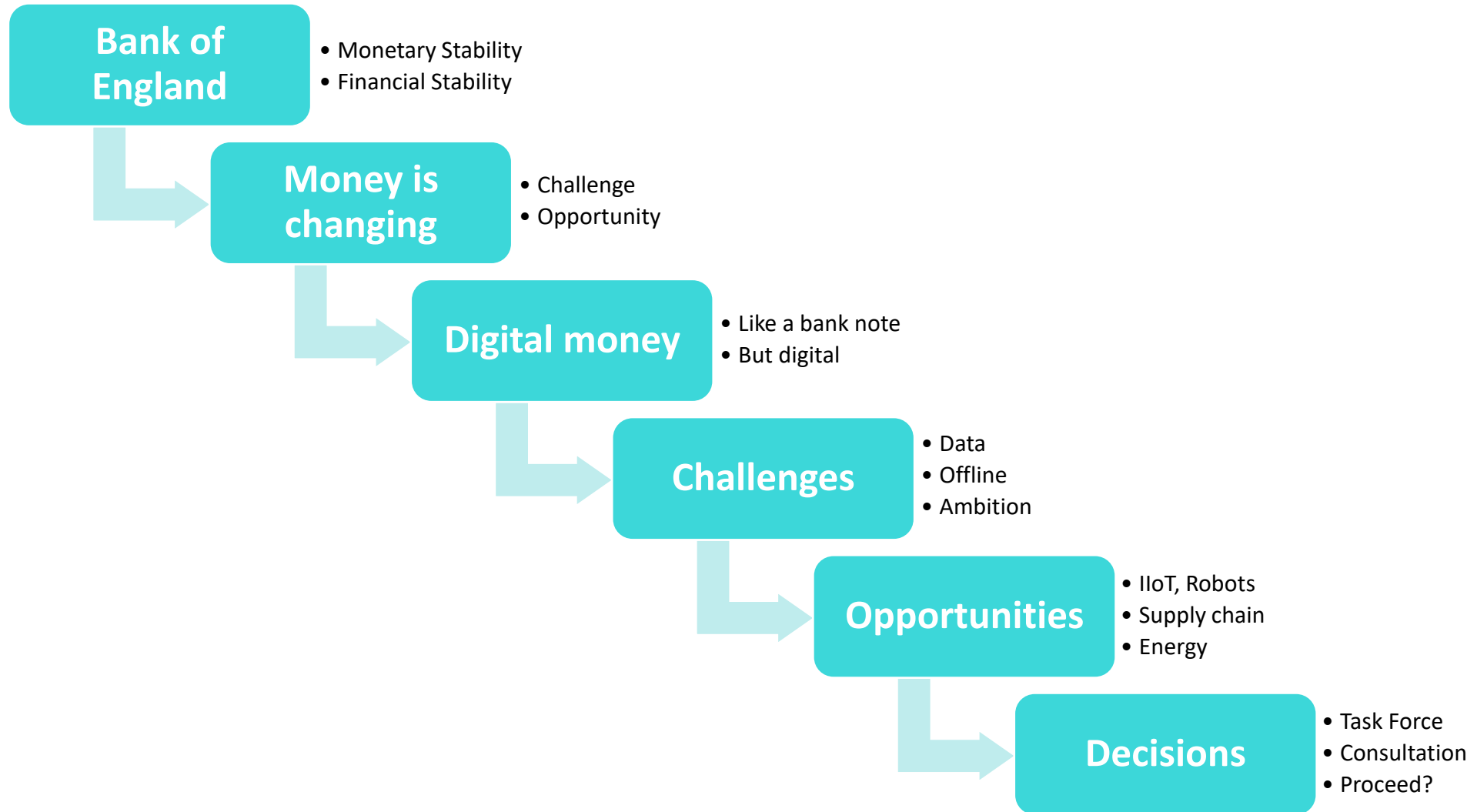


Others?

Timeline



In summary....





Questions?

