

Future of Financial Services, Melbourne



INTERNATIONAL KEYNOTE: Future of Global Finance — Convergence of Blockchains and AI



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The Future of Global Finance

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Agenda

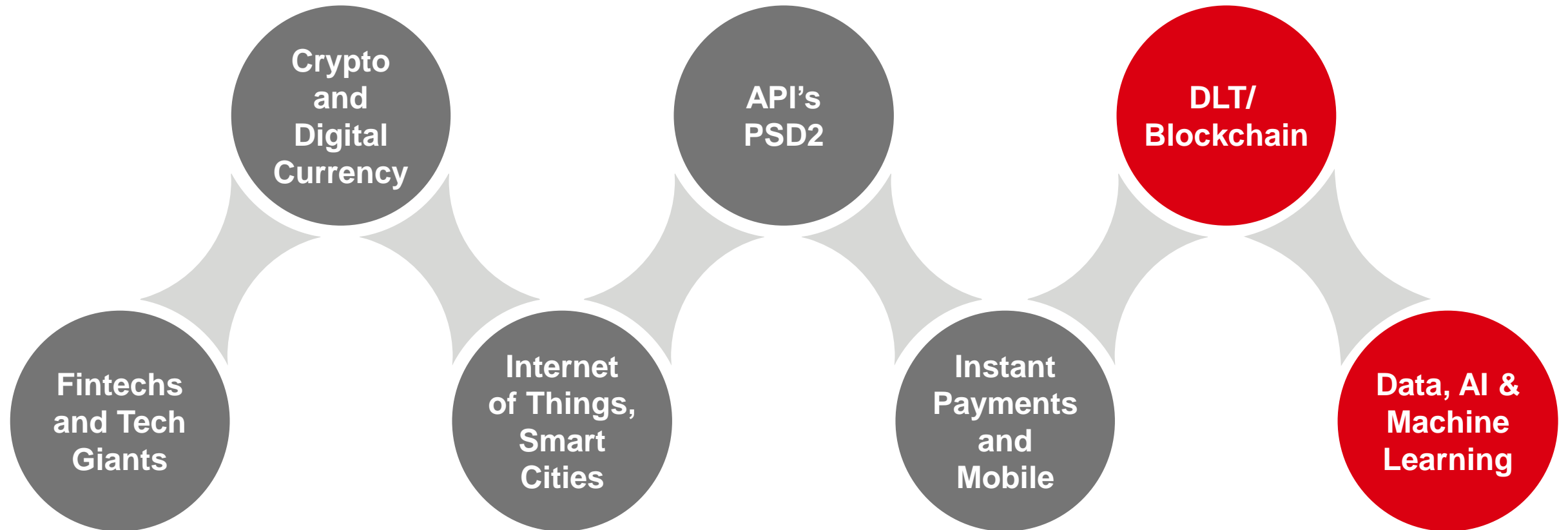
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Preface

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Preface – How does it all come together?

– Emerging Digital Markets



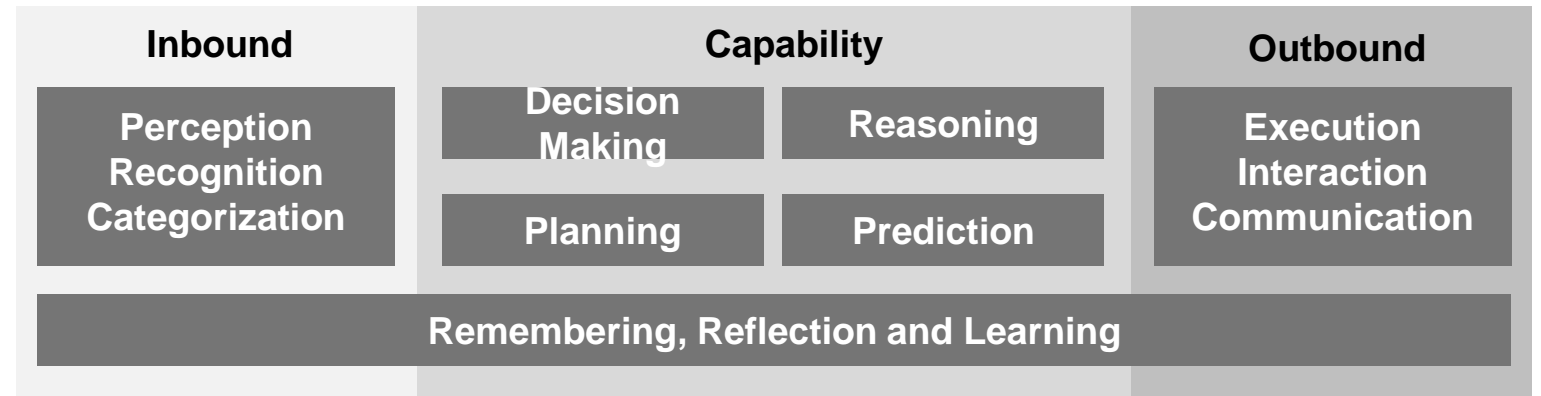
Artificial Intelligence

Artificial Intelligence

What is Artificial Intelligence?

- AI systems are solving problems based on internal knowledge and learned adaptation to new situations.
 - Such systems are perceived as 'intelligent' if they find solutions without explicitly being programmed for the solution path.

- AI systems are structured:

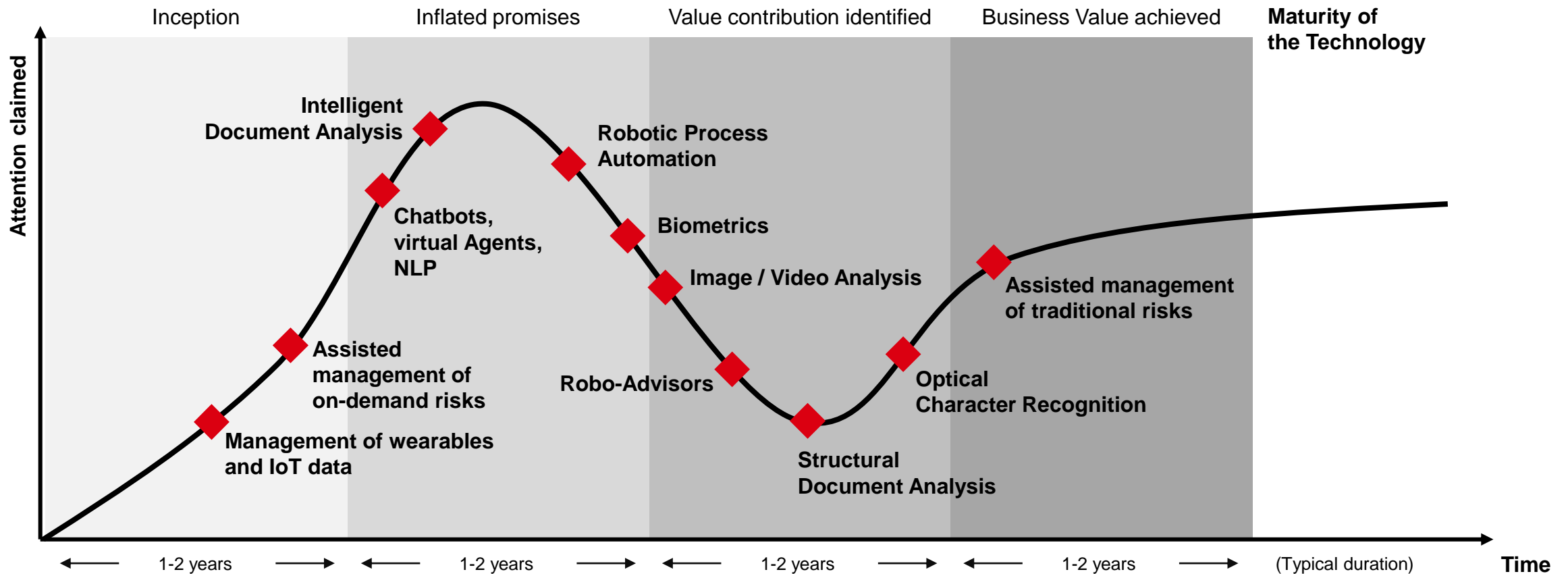


- AI systems are different: in their representation and use of knowledge (incl. Learning)

Artificial Intelligence

Applied Artificial Intelligence – Capability view

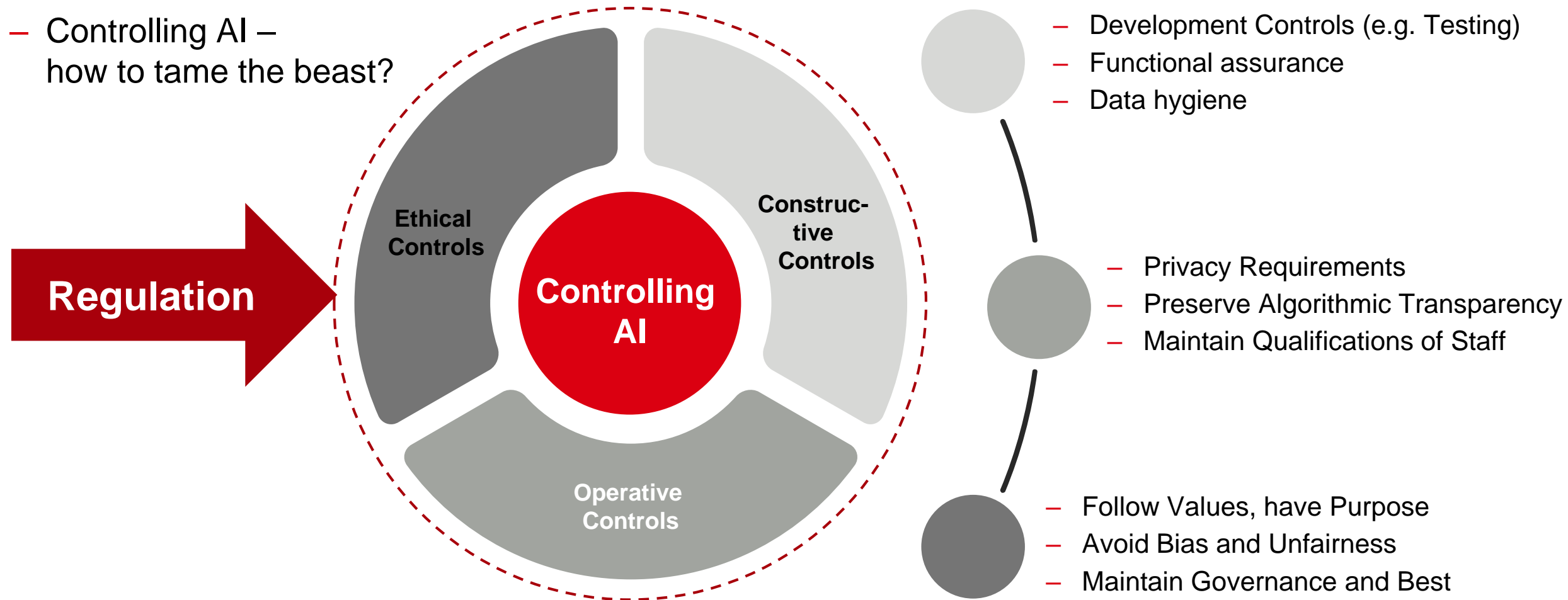
– AI systems and their relative maturity



Artificial Intelligence

Applied Artificial Intelligence – Control Environment

– Controlling AI –
how to tame the beast?

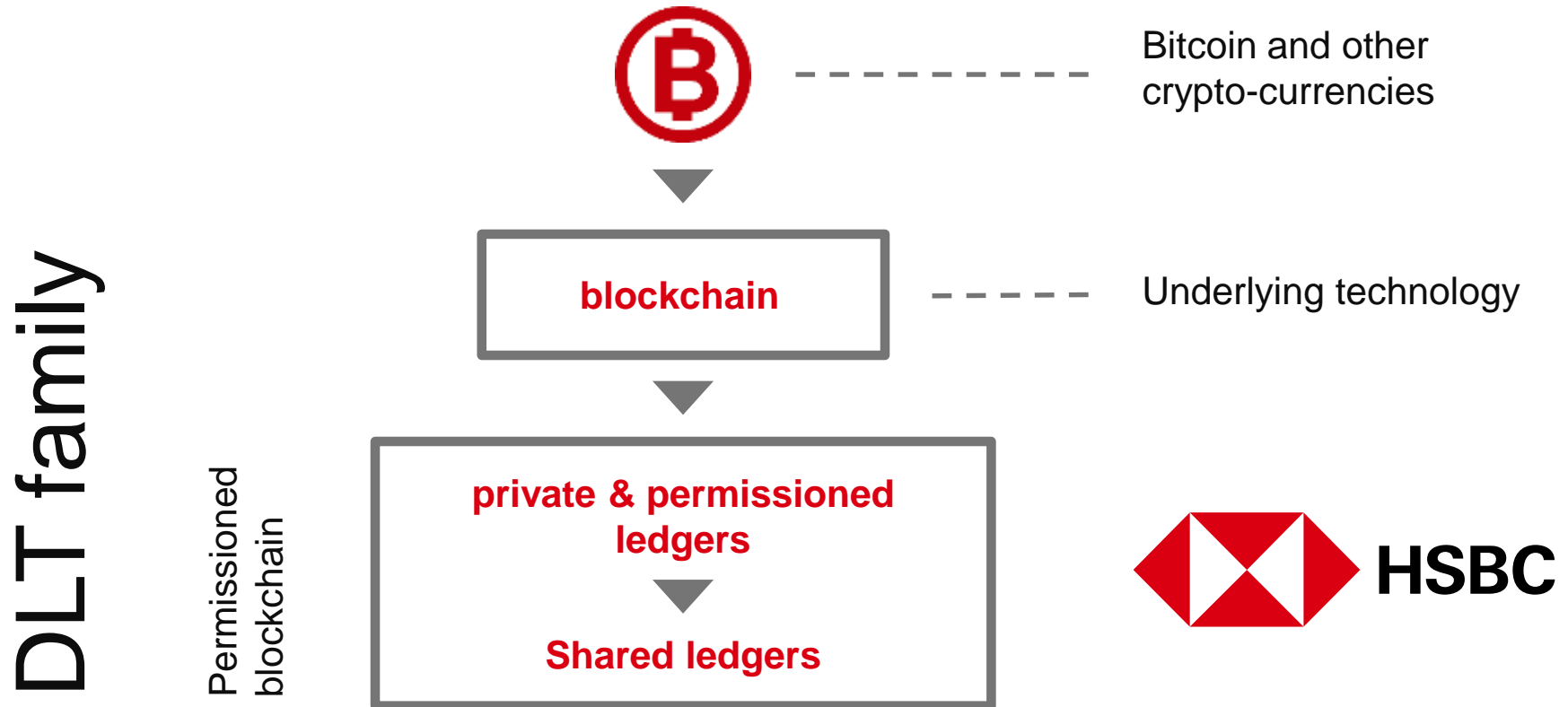


Distributed Ledger Technology (DLT)

Distributed Ledger Technology (DLT)

Some background

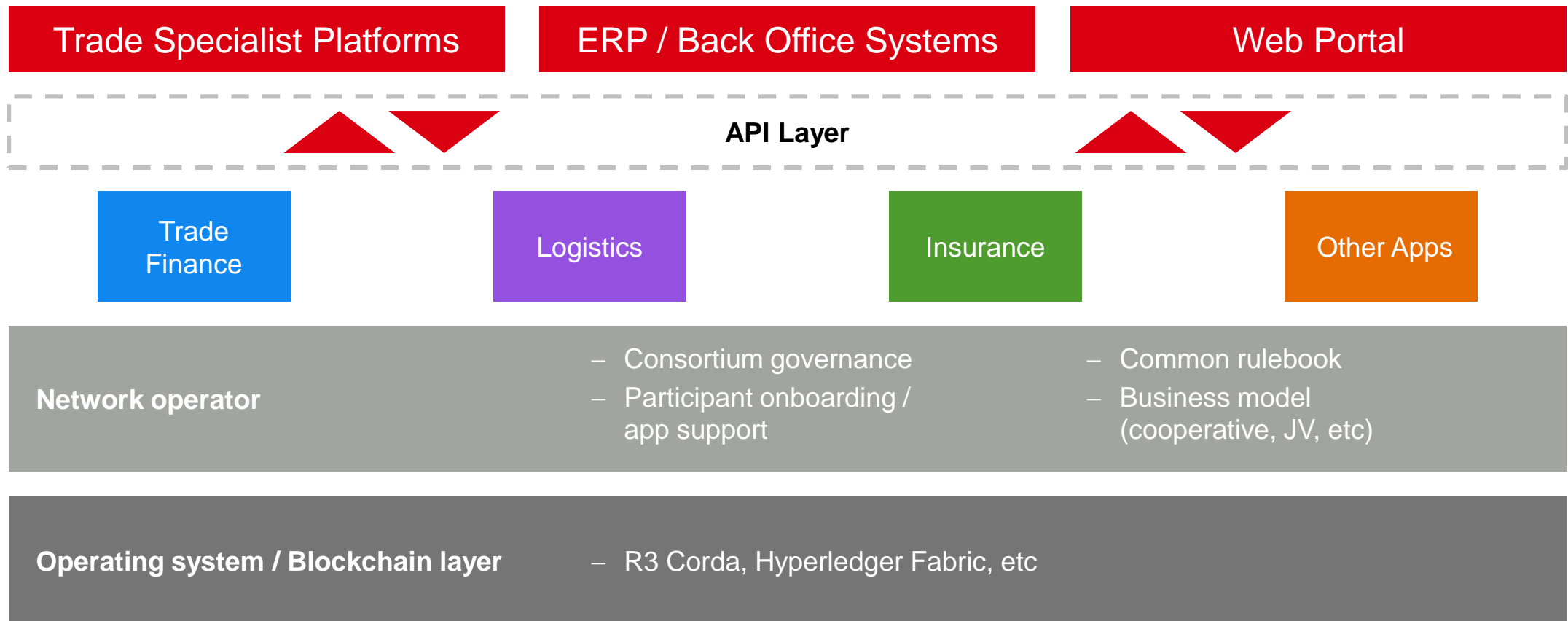
- Permissioned blockchain & crypto-currencies – there is a difference.



Distributed Ledger Technology (DLT)

Setup of Networks and Platforms

- A simplified Block Architecture (Trade Finance view)



Distributed Ledger Technology (DLT)

Voltron – Global Letter of Credit Solution on DLT

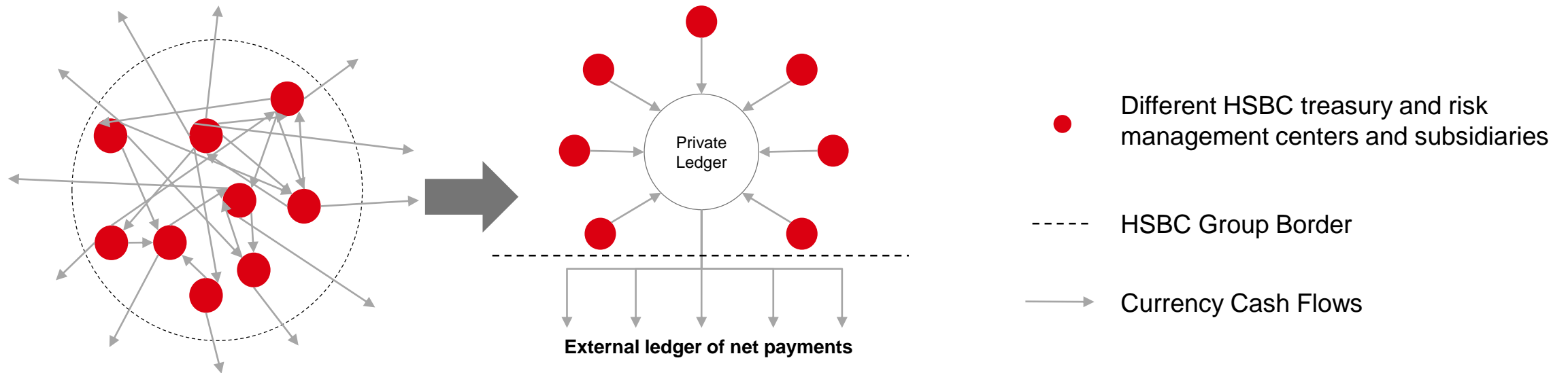
- Powered by R3's Corda blockchain technology
- Reduces the time from a Letter of Credit (LC) presentation to acceptance from 5-10 days to ~ 24 hours.
- Integration with leading electronic bill of lading providers and their network of shipping lines
- Several successful pilots completed:
 - Cargill (May 2018), Reliance & Tricon (October 2018), Rio Tinto & Cargill (November 2018), Fox&Lillie & China SDIC (May 2019)
- In 2019 the consortium started launching a live solution provider on JV basis



Distributed Ledger Technology (DLT)

FX Everywhere – Post Trade DLT

- Streamlining multinational FX Flows:



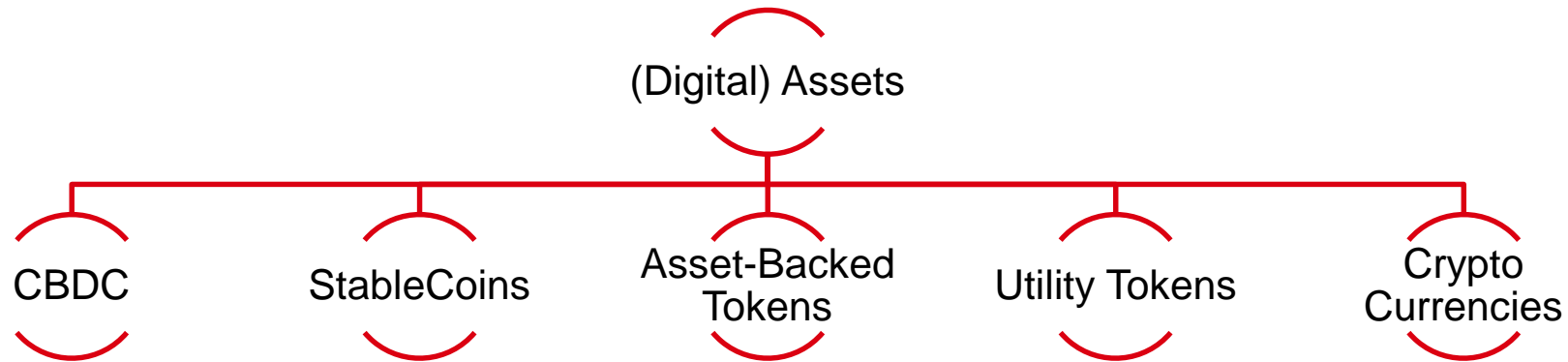
- Resulting benefits:

- Consolidated view of forward FX cash flows
- Streamlined Operations, i.e. reduced cost and
- Optimised Balance Sheet

Distributed Ledger Technology (DLT)

Tokenized Assets – Ownership and Trade via DLT

- ‘Next Generation’ Asset Classes:



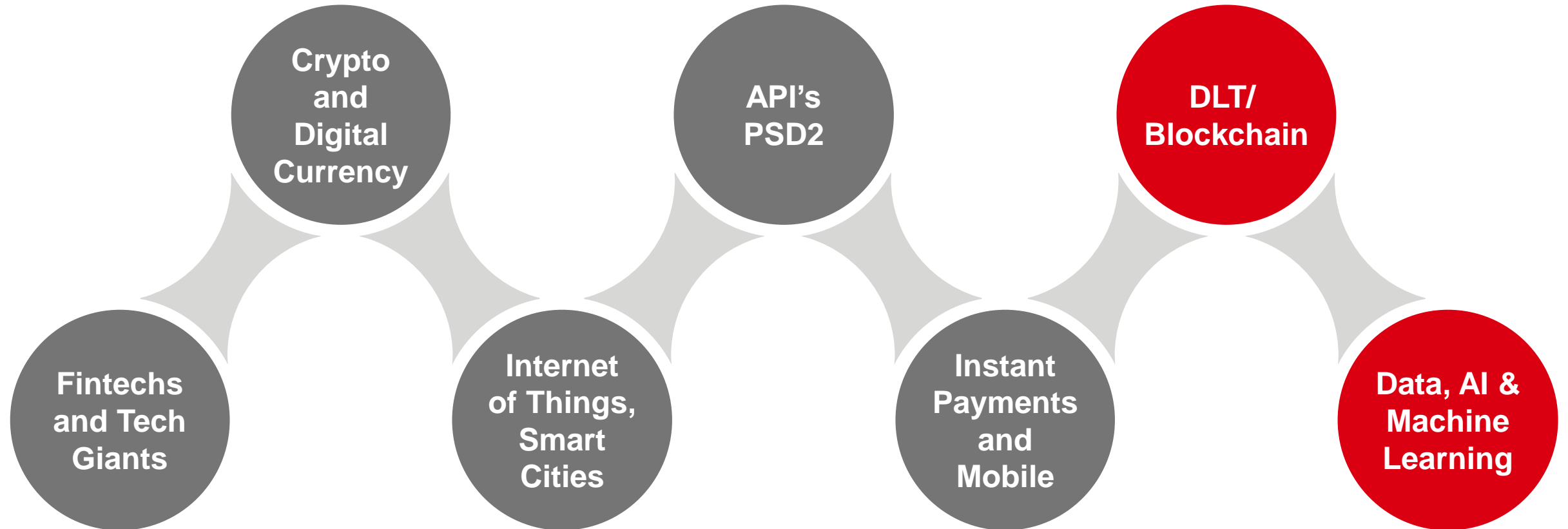
- Lifecycle events and flows to consider:
 - Issuance on a DLT
 - Pricing, Trade, Payment and Transfer of Ownership
 - Asset Servicing
 - Customer and regulatory reporting

Convergence

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Convergence – How will DLT and AI influence each other?

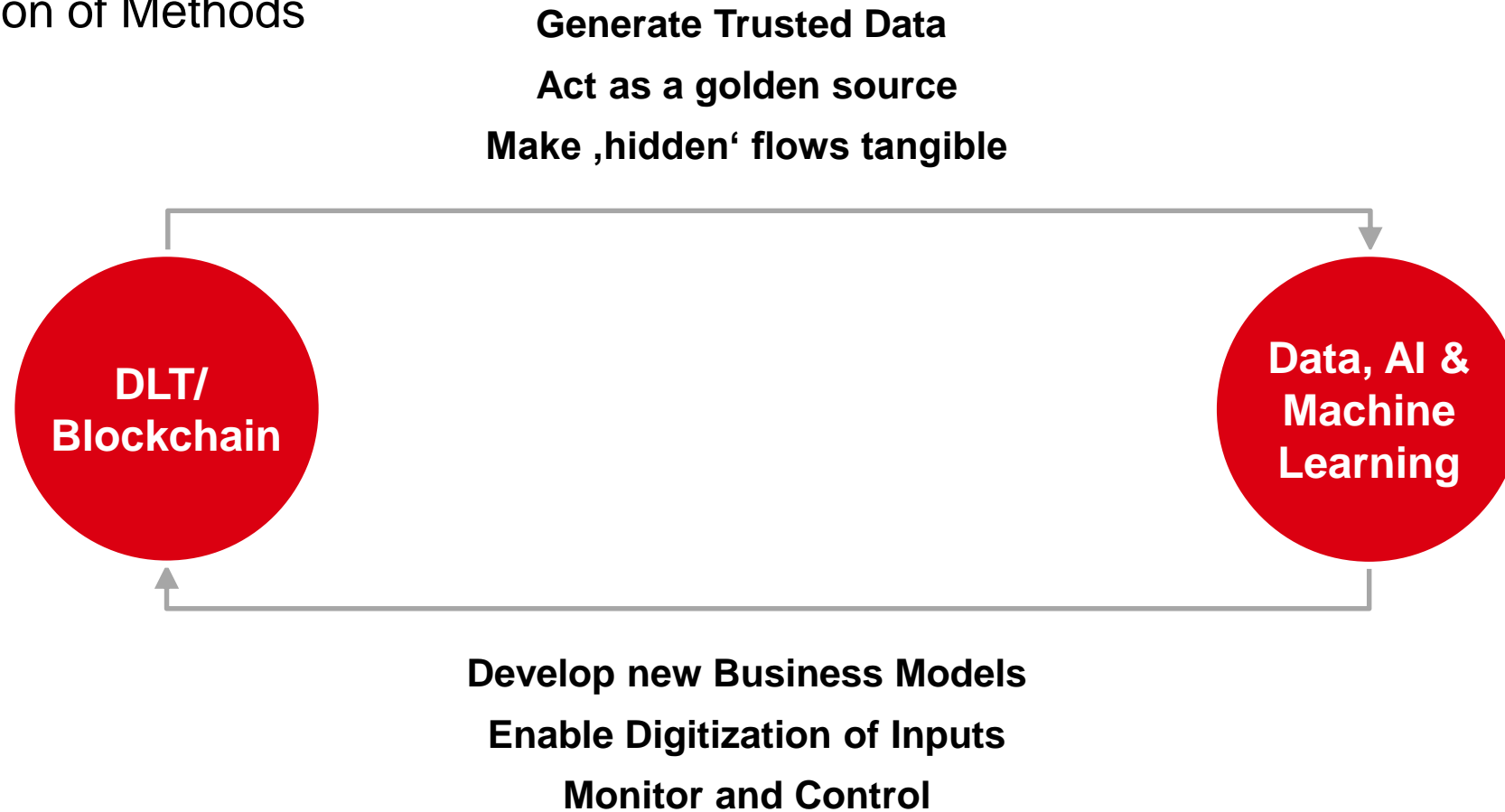
– Cooperation of Methods



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Convergence – How will DLT and AI influence each other?

– Cooperation of Methods



Thank You

