Blockchain – Einführung und Überblick

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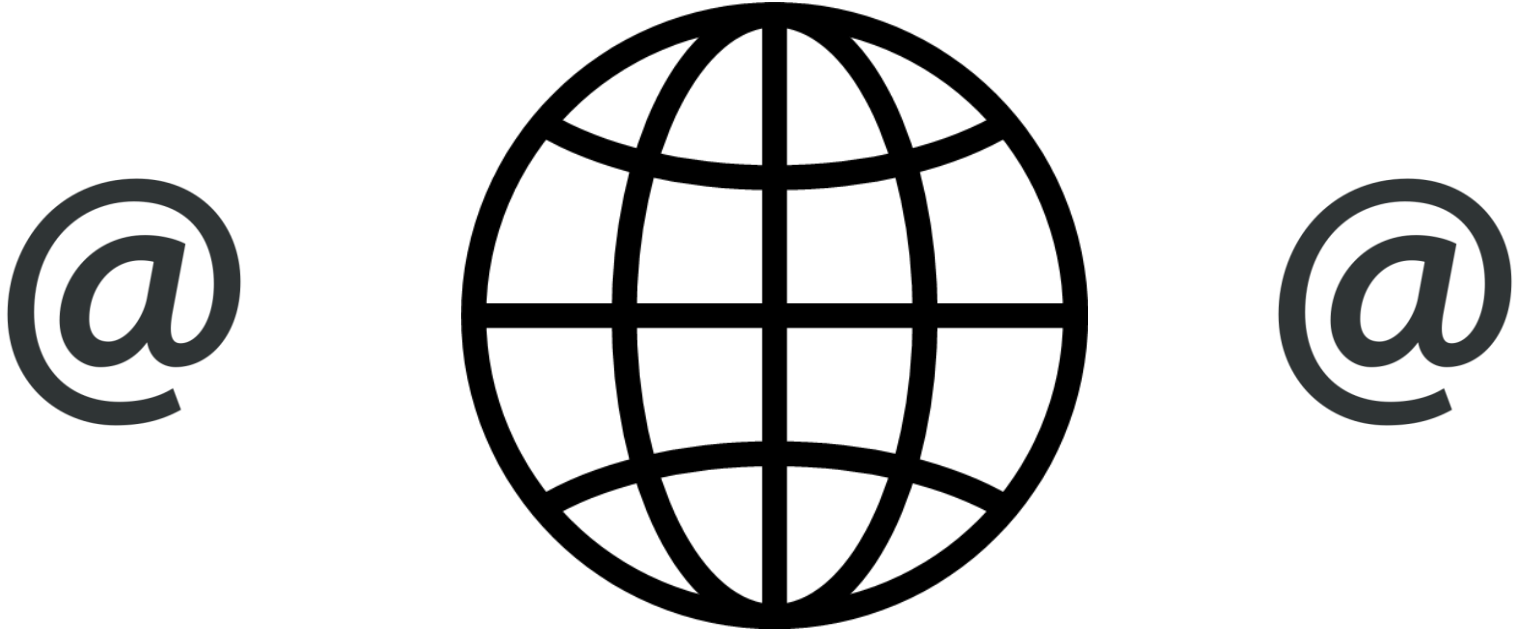
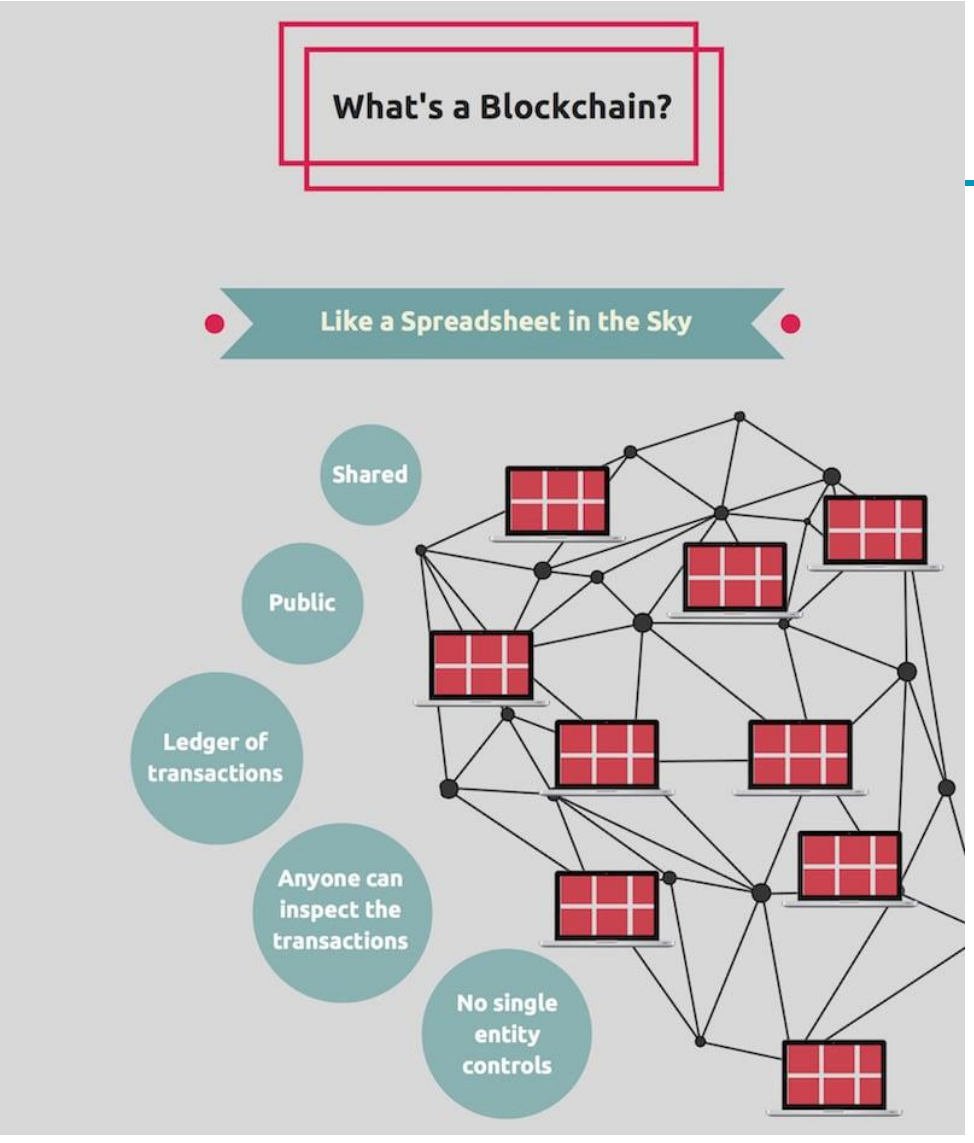


Digital Fiat-Geld überweisen

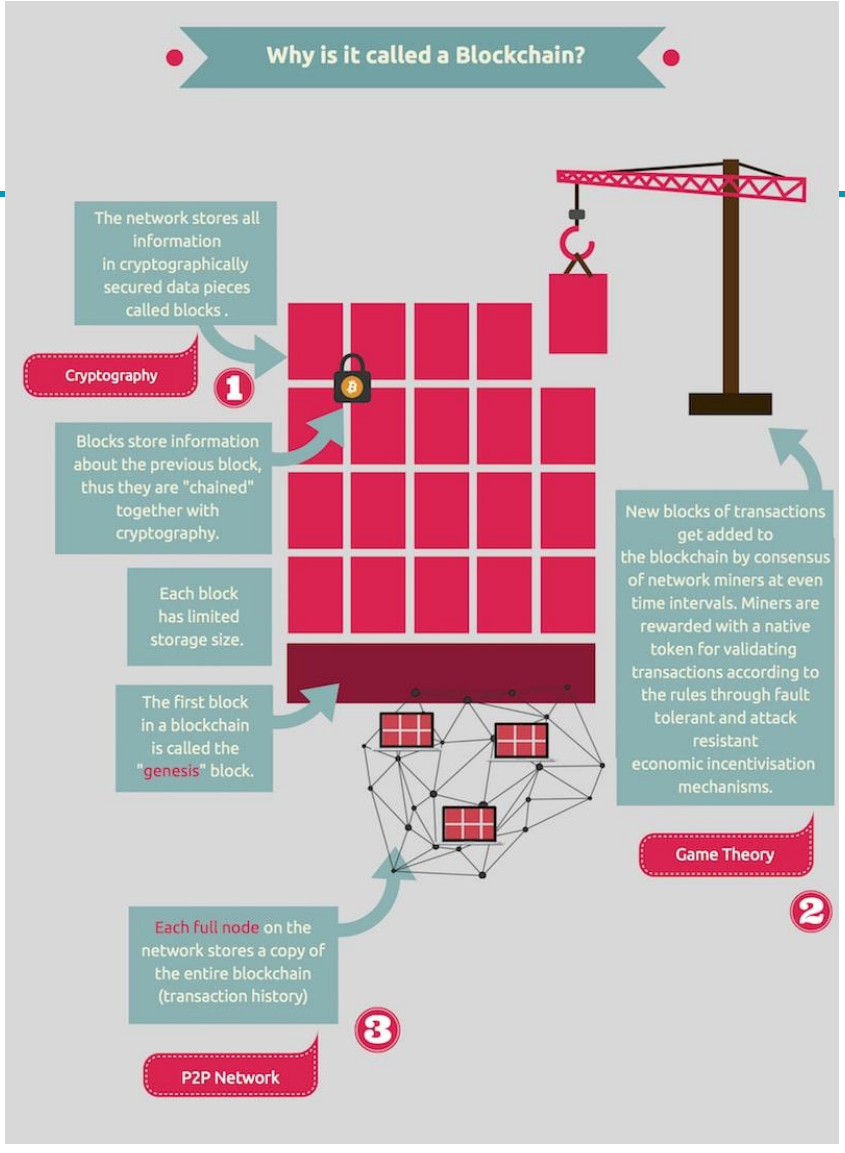
Peer-to-Peer Cryptowährung überweisen

Spreadsheet?!



https://blockchainhub.net

Chain of Blocks



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Smart Contract

SMART CONTRACTS
Relations

Define behavioural rulesets for all participants of the smart contract

APPLICATION LAYER

RECORD OF TRANSACTIONS
Assets

File containing all information since block 1 - tracking all asset movements.

CONSENSUS RULES
Governance

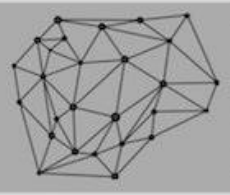
Defining game theoretical behavioural rulesets of all actors in the network

P2P NETWORK OF COMPUTERS
Physical Network

A network of all devices running the blockchain protocol, and keeping records of transactions

BLOCKCHAIN LAYER

TCP/IP
Infrastructure



INTERNET LAYER

https://blockchainhub.net

Crypto Assets – Coins und Token

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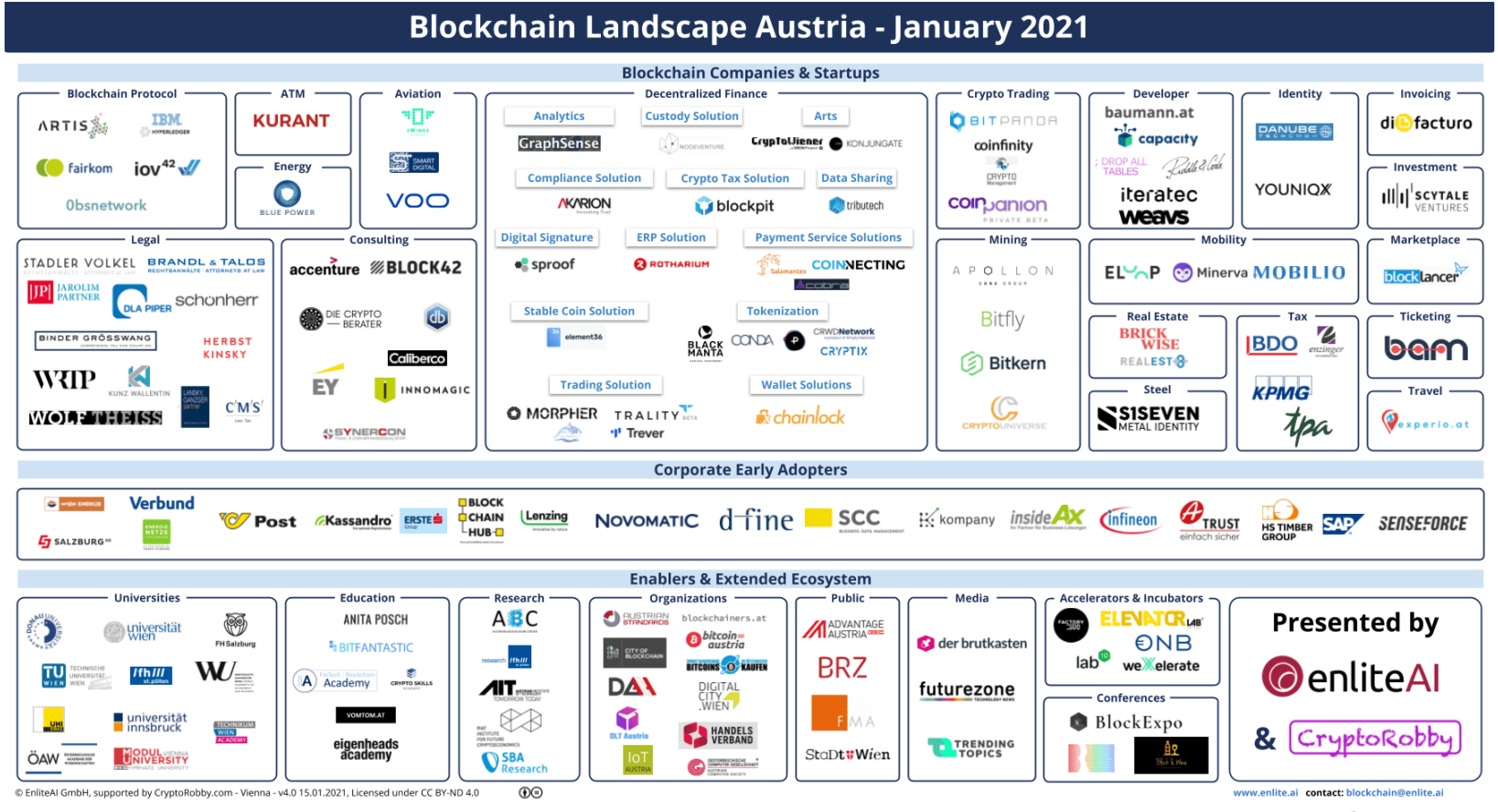
Permissioned Blockchains

- Supply Chain Management
  - Tracking and Tracing, Datenaustausch
- Public Sector
  - Notarifizierung, Self Sovereign Identity
- Financial Supply Chains
  - Zahlungsverkehr, Claims Management, KYC

Austrian Blockchain Landscape



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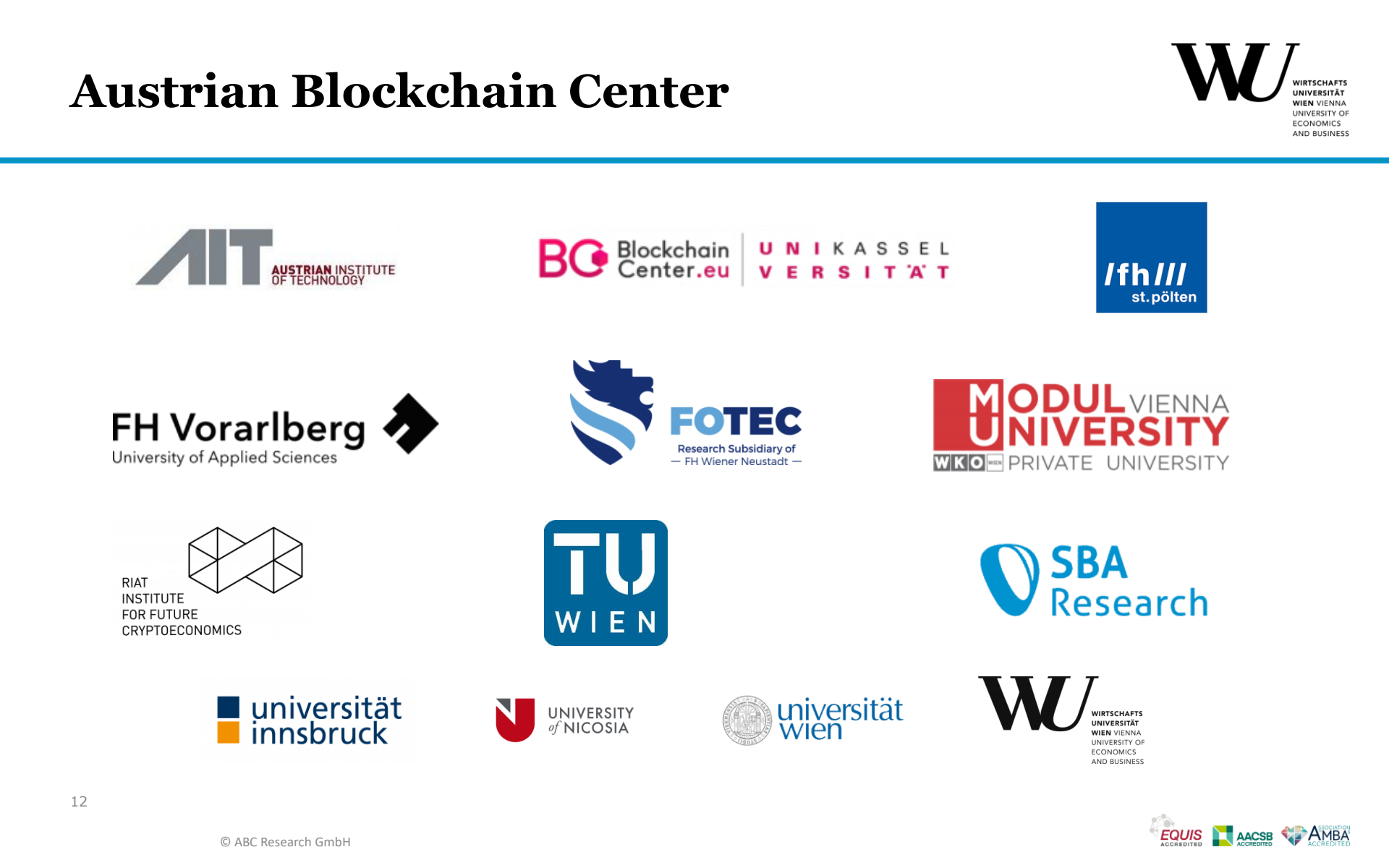

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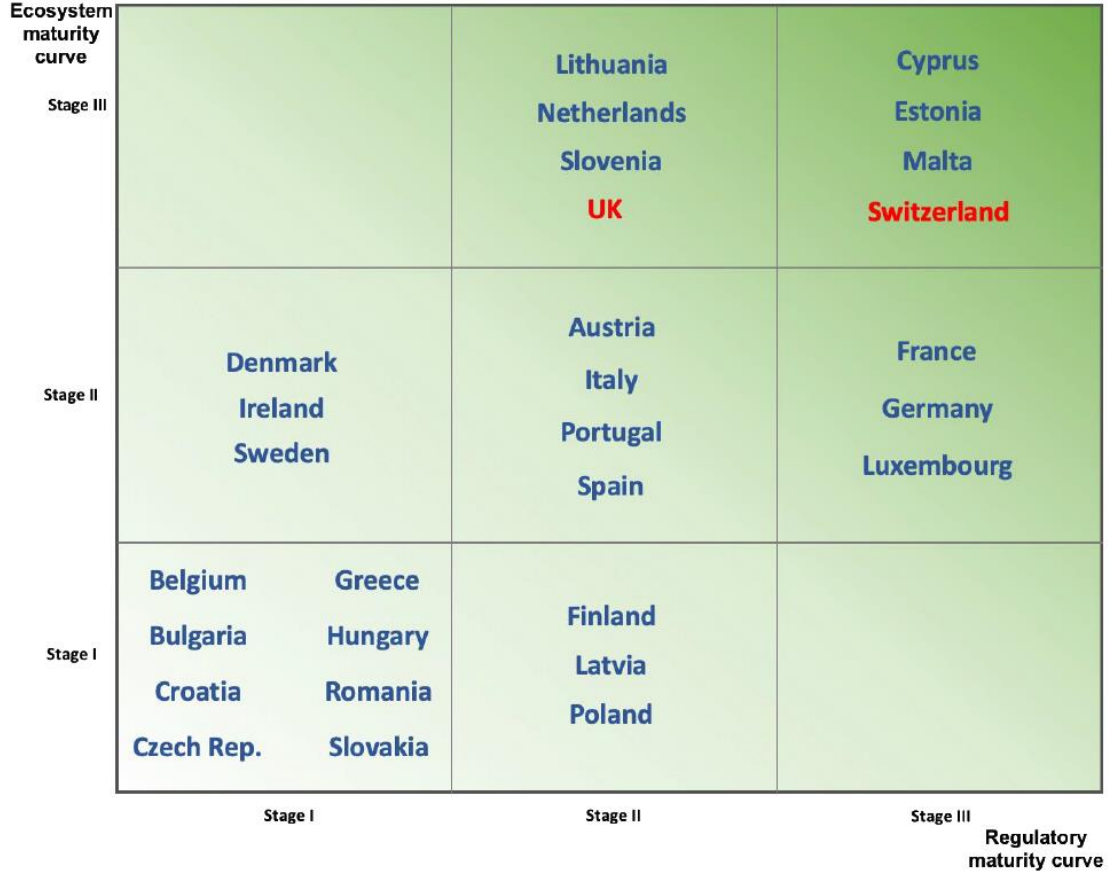
European Blockchain Observatory