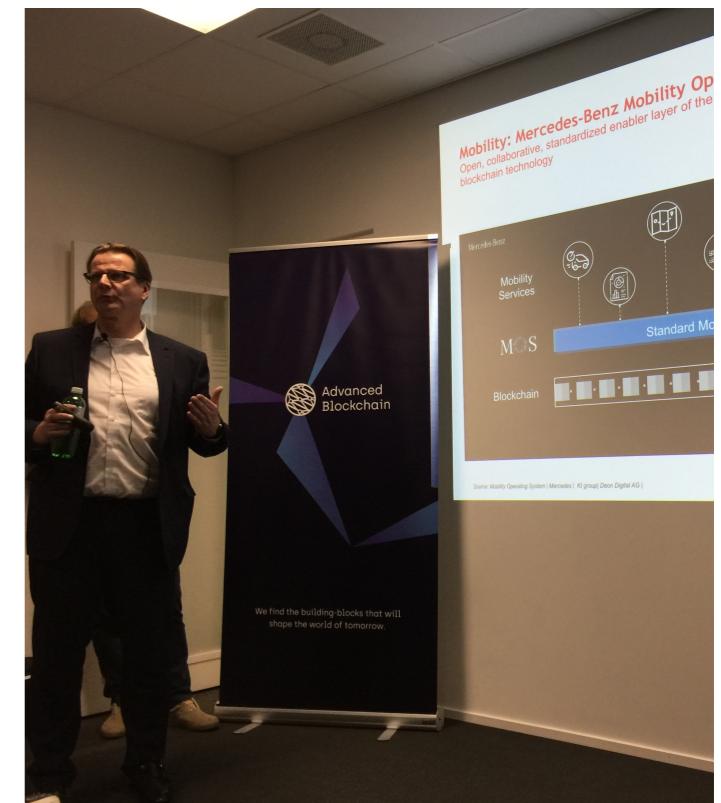


Meetup

Blockchain & Tangle (BTC, ETH, IOTA)

Büro - Züri, Börsenstrasse 9, Zürich, Switzerland





Events in the last time around Cryptovalley Zug:
ShieldIT wins 100 kCHF, Oliver Bussmann, peaq

Decision making process

Kinds of Permissionless Blockchain

- Public open to everyone
- Everyone can read / write = create content
- Fully decentralized
- Democratic consensus about verification and validation of Transactions (proof of work, proof of stake)
- Cryptographic protected chains

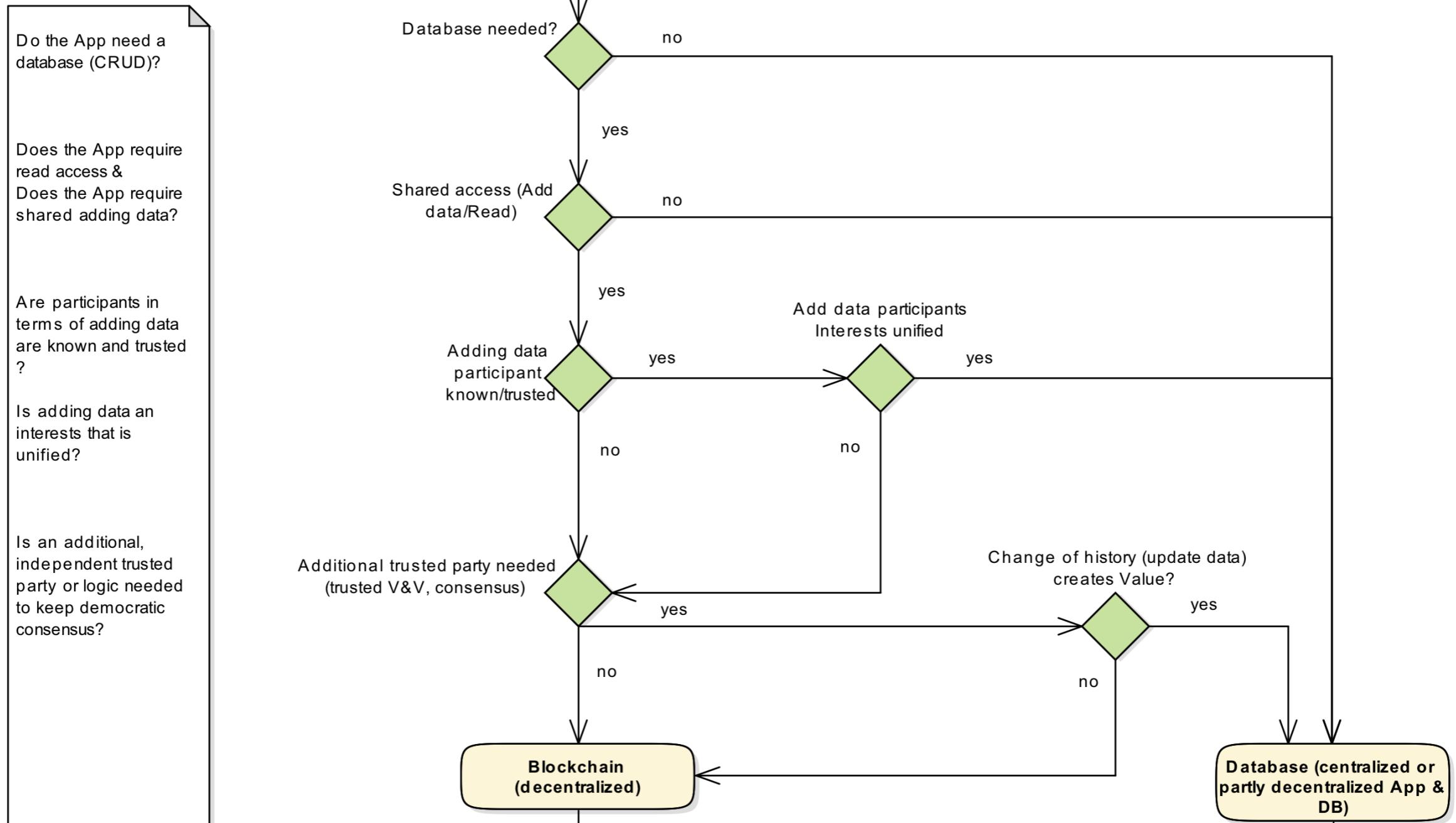
Kinds of Permissioned Blockchains

- Private
 - write permissions, kept centralized
 - Read permission can be public or restricted (possibly based on content)
- Consortium, Hybrid
 - R/W like Private, but partially decentralized
 - Concensus process by pre-selected set of nodes

Characteristics of Blockchains

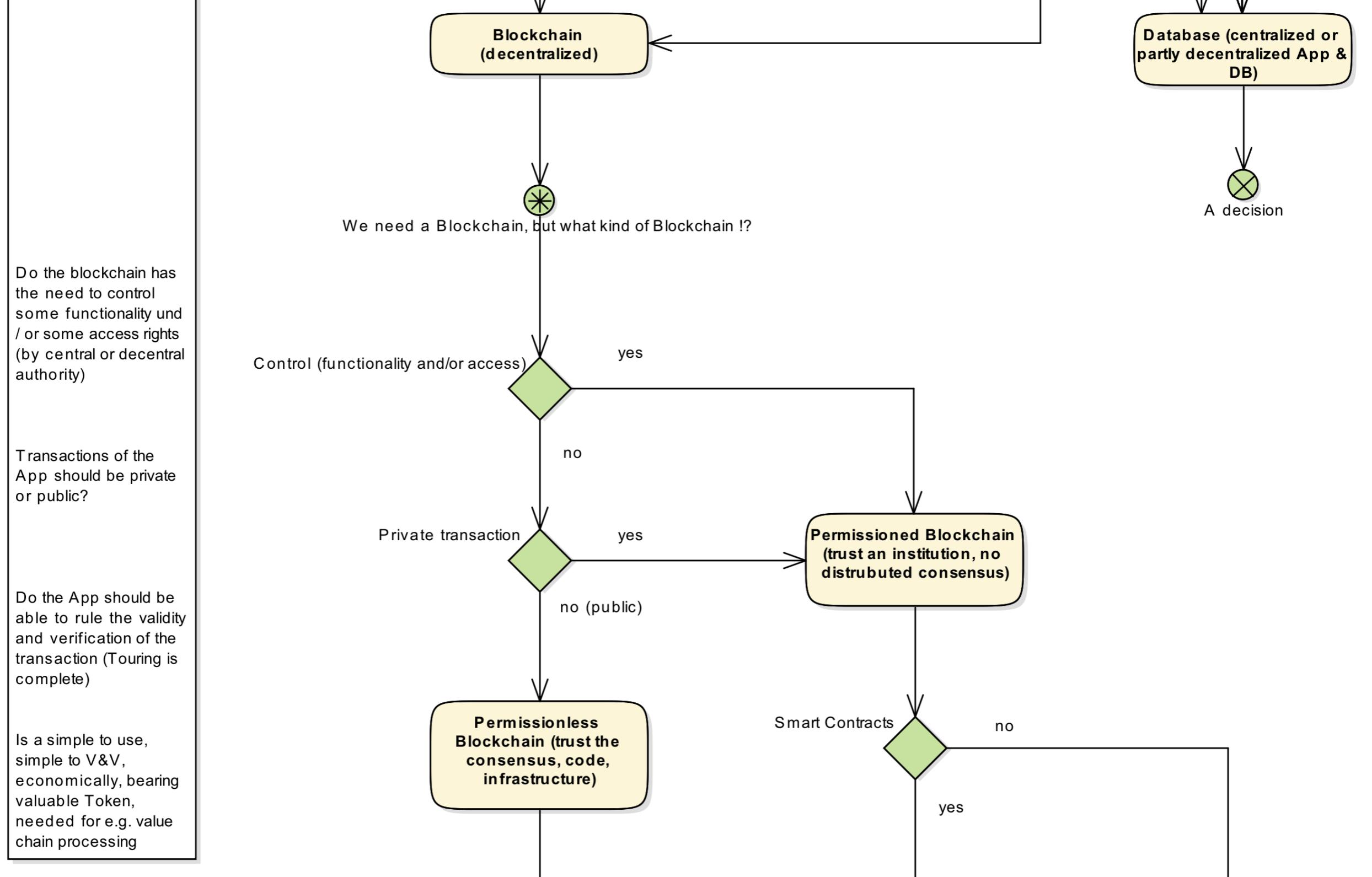
- Tokenized vs. non-tokenized
 - has tokens (assets, securities, ...)
- Smart contracts (Turing: set of rules to determine a result from a set of input variables) vs. no smart contracts
 - focussed on distributed storage on distributed compute
- Additional Storage (capability to store information) vs. Block Identification, V&V, Consensus only

When do we need a Blockchain



Blockchain or Database

Core decision questions



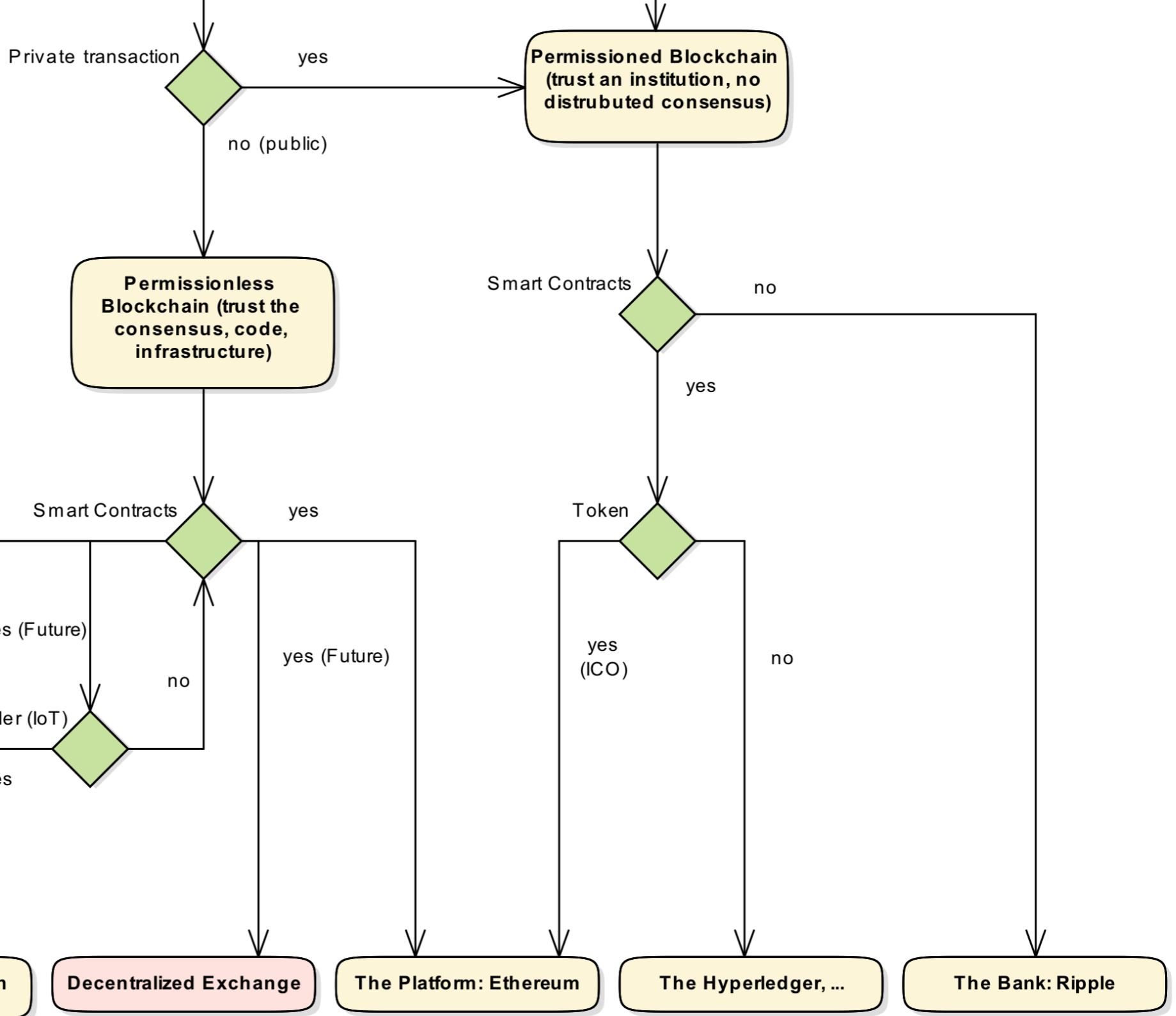
Blockchain is the decision, but what kind

Permissioned and Permissionless

or public?

Do the App should be able to rule the validity and verification of the transaction (Touring is complete)

Is a simple to use, simple to V&V, economically, bearing valuable Token, needed for e.g. value chain processing



Public or private
Blockchains (Hyperledger, ...)

Now it gets difficult to classify !

BE YOUR OWN BANK.[®]

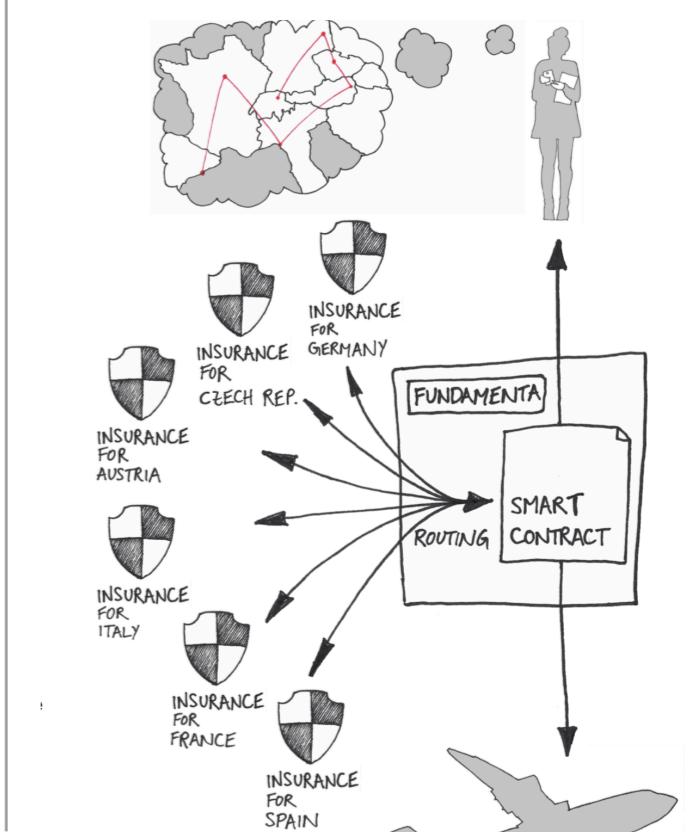
↑ Senden

↓ Empfangen

Min. Regulation Requirements on public Blockchain Wallets

- Different per country, but min. Req.
- Min. Reports Requirements
 - Tax: End of each year
 - values at 31.12.
 - Statement: Each Transaction
 - from - to
 - credit / debit
opt: deposit / withdraw
 - date of Tx
 - value in crypto or currency
 - comment
 - opt.: bookkeeping account

| ALLE | GESENDET | EMPFANGEN | ÜBERWIESEN | S |
|------|--|----------------------------|--|---|
| | > GESENDET <i>October 13 @ 07:58 AM</i> | An: 3Dov93 Von: BTC Ri | Transfer 14.85 mBTC an Kraken zum ETH Handel | ↑ |
| | > GESENDET <i>October 12 @ 06:38 PM</i> | An: 18gEMb Von: BTC Rit | Transfer 1.9 mBTC an Bitfinex (IOTA Handel) | |
| | > GESENDET <i>October 11 @ 10:40 AM</i> | An: 18gEN Von: BTC F | Transfer 2.1 mBTC an Bitfinex (IOTA Handel) | |
| | > GESENDET <i>October 9 @ 01:09 PM</i> | An: 18gEN Von: BTC F | Transfer 2.5 mBTC an Bitfinex (IOTA Handel) | |
| | > GESENDET <i>September 17 @ 09:44 PM</i> | An: 18gEN Von: BTC F | Transfer 2.75 mBTC an Bitfinex (IOTA Handel) | |
| | > GESENDET <i>September 9 @ 08:47 PM</i> | An: 18gEMI Von: BTC Ri | Transfer 2.5 mBTC an Bitfinex (IOTA Handel) | |
| | > GESENDET | An: 18gEN | Transfer 2.5 mBTC an Bitfinex (IOTA Handel) | |



Discussion on volatility for value chain processing,
Blockchain experience, Use Cases, Smart Contracts