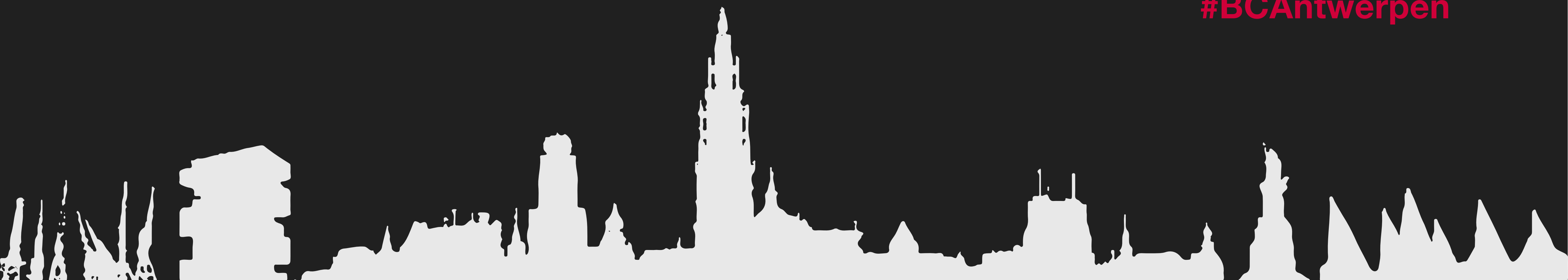




Blockchain @ Antwerp

@dgplsantwerpen
#BCAntwerpen



Tobias Verbist
Chief Architect @ Digipolis

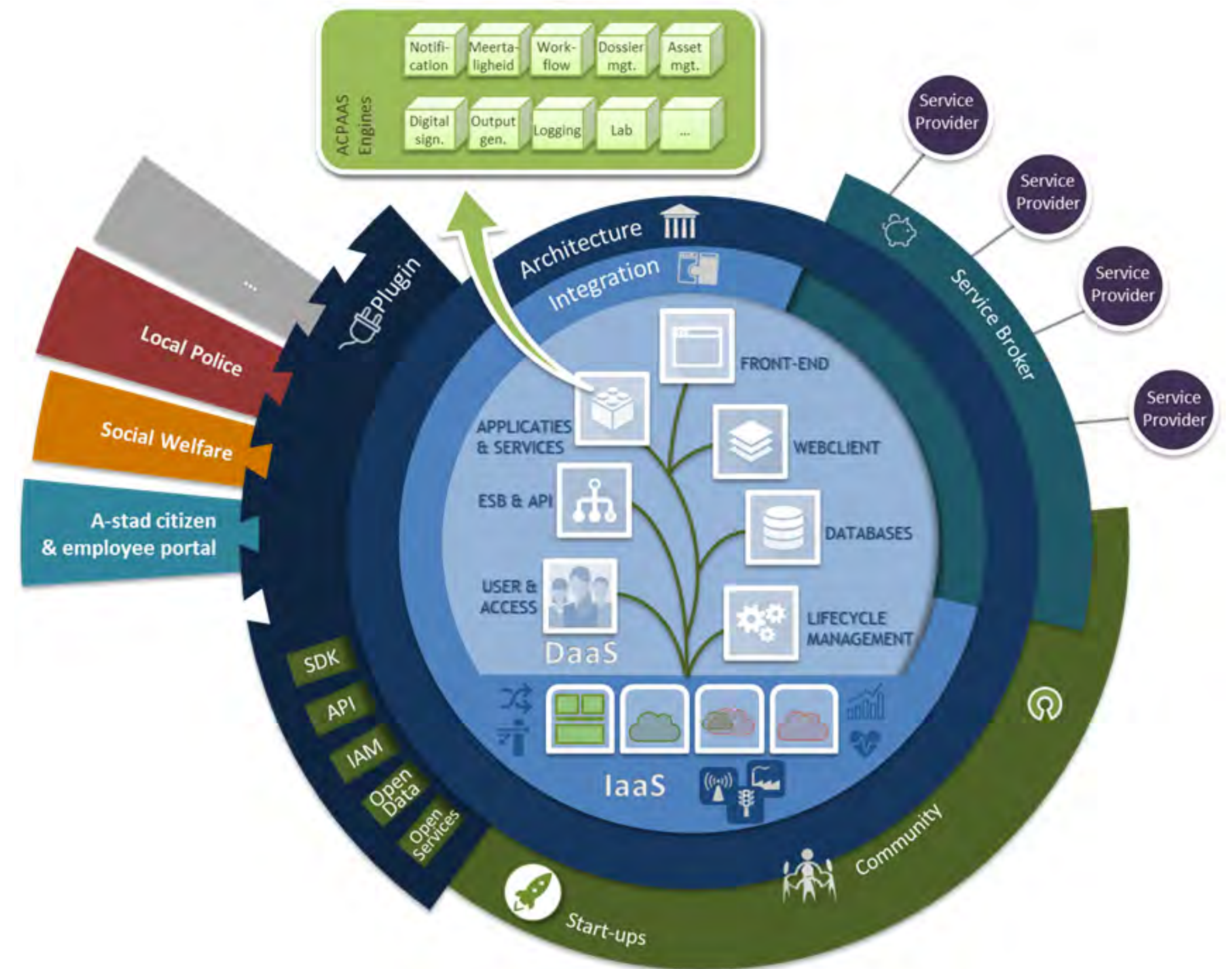
Agenda

- ACPaaS, Antwerp City Platform as a Service
- Distributed Ledger Technology (DLT) Selection
- DLT(s) setup
- 4 POCs
- Moonshot-labs



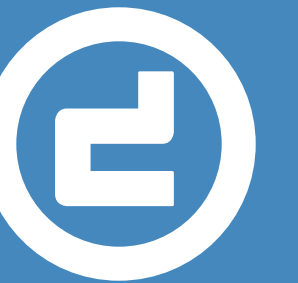
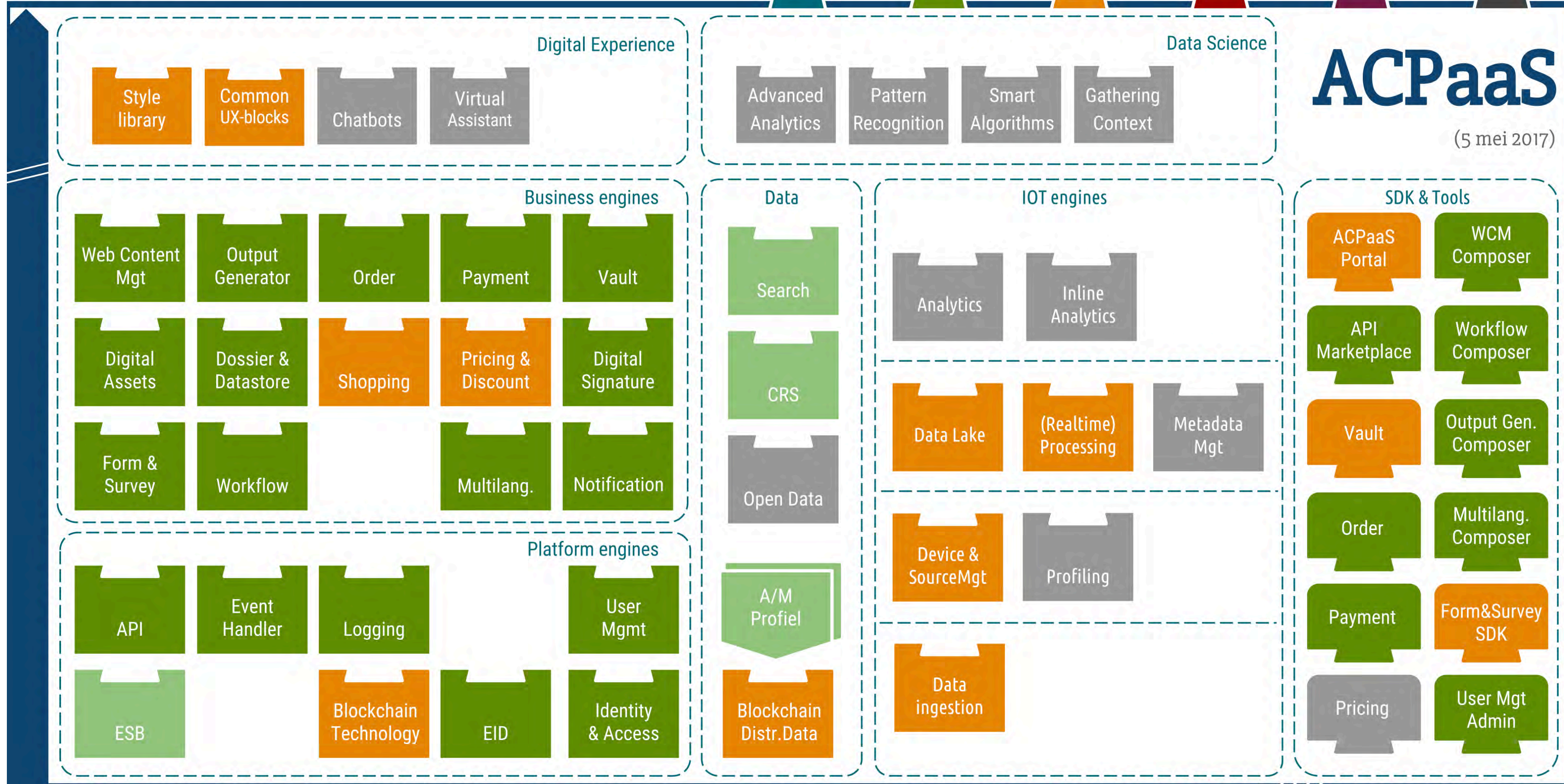
#Blockchain: lab

- 25 Digipolis techies
- Several parallel tracks
5 functional & 1 technical
- Participation consortia & concours
SIDS/ICON/UIA/...
- Business driven IT
- Part of ACPaaS



ACPaaS

- Live
- Doing
- Live (pre-acpaas)
- Backlog



#Blockchain: which DLT?

- Meetup Blockchain @ DigAntCafé (December 19th, 2016)
- Hyperledger, BigchainDB, Ethereum, MS Bletchley, Eris, NEM, MultiChain
- Technology not yet mature → no preference (yet) and open minded
- Setup in the first phases: NEM, MultiChain, Monax, Hyperledger Fabric



#Blockchain: 4 POCs

- 4 POCs launched (on just 2 weeks) :
 - Cycle of life
 - Relocation
 - Decision
 - Lifelong learning
- Partners (45 people involved): City of Antwerp, Flemish government, Federal government, V-ICT-OR and Digipolis

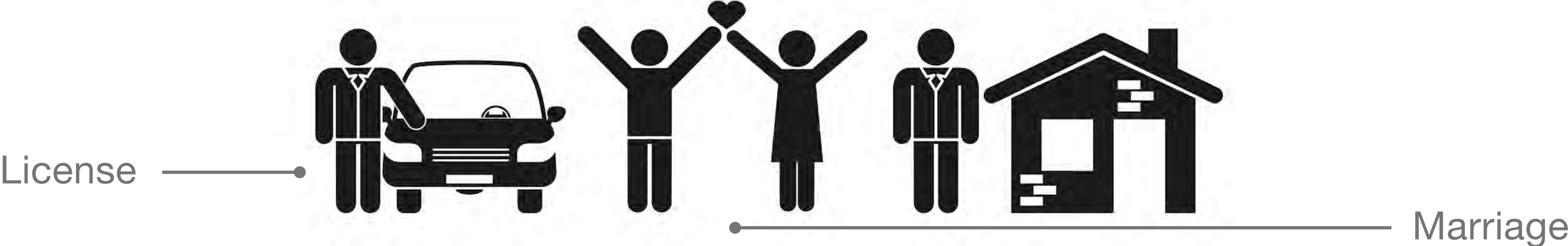
109 subscriptions, 32 organisations
33 pitches held, 6 RFQs

4 POCs

BE.Blockchain
Coalition



#Blockchain: 4 POCs



#Blockchain: 4 POCs

- **Cycle of life**

How can we register every citizen in a personal blockchain and log and unlock every step in his lifecycle when needed - from birth until passing away?

- **Relocation**

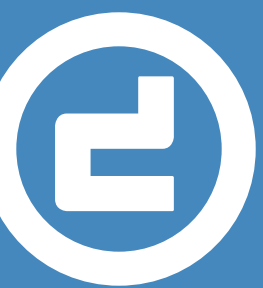
How can we register a relocation on a blockchain and unlock the necessary info to all parties involved?

- **Decision**

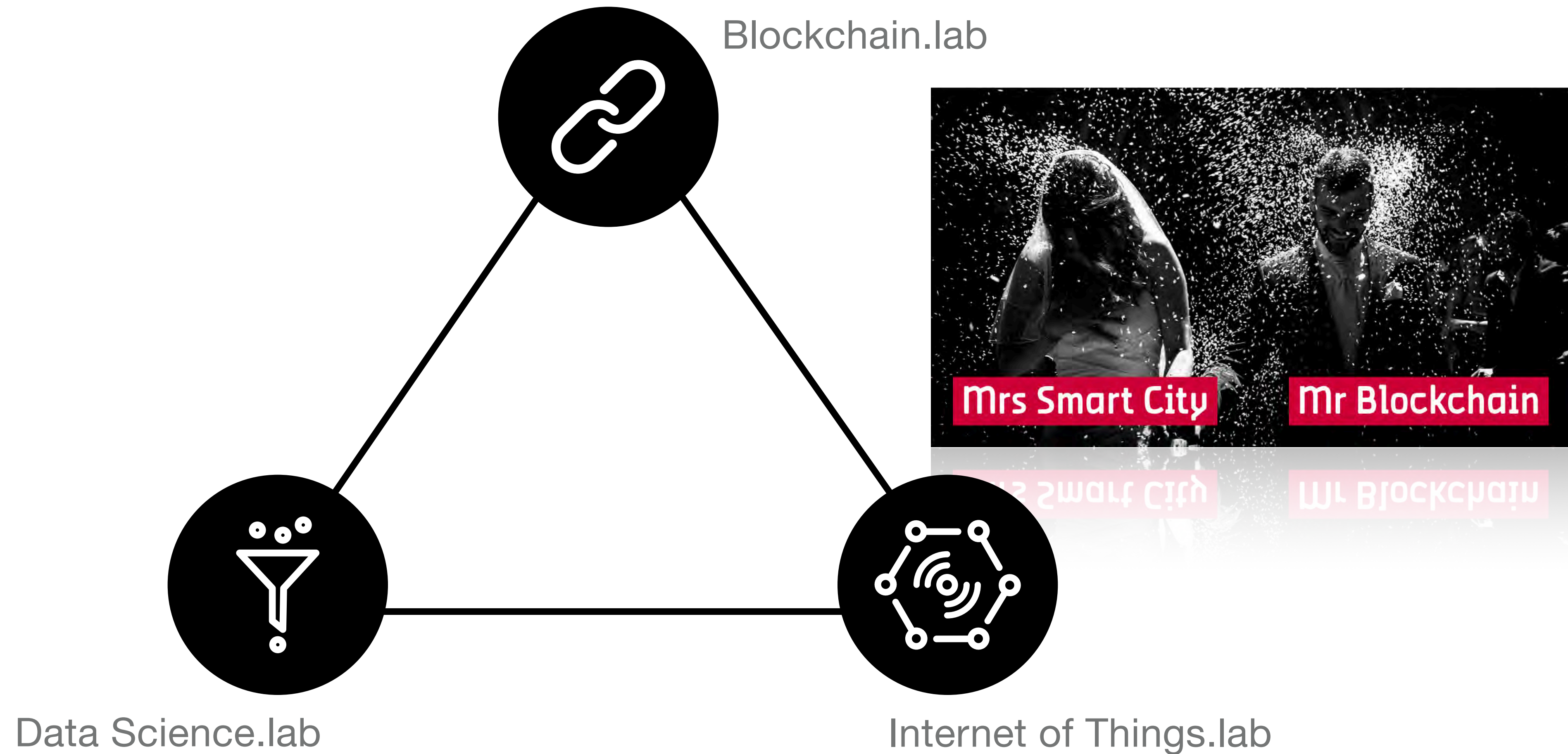
How can we use blockchain technology to take note of the decisions of the city council and unlock them in an authorized way?

- **Lifelong learning**

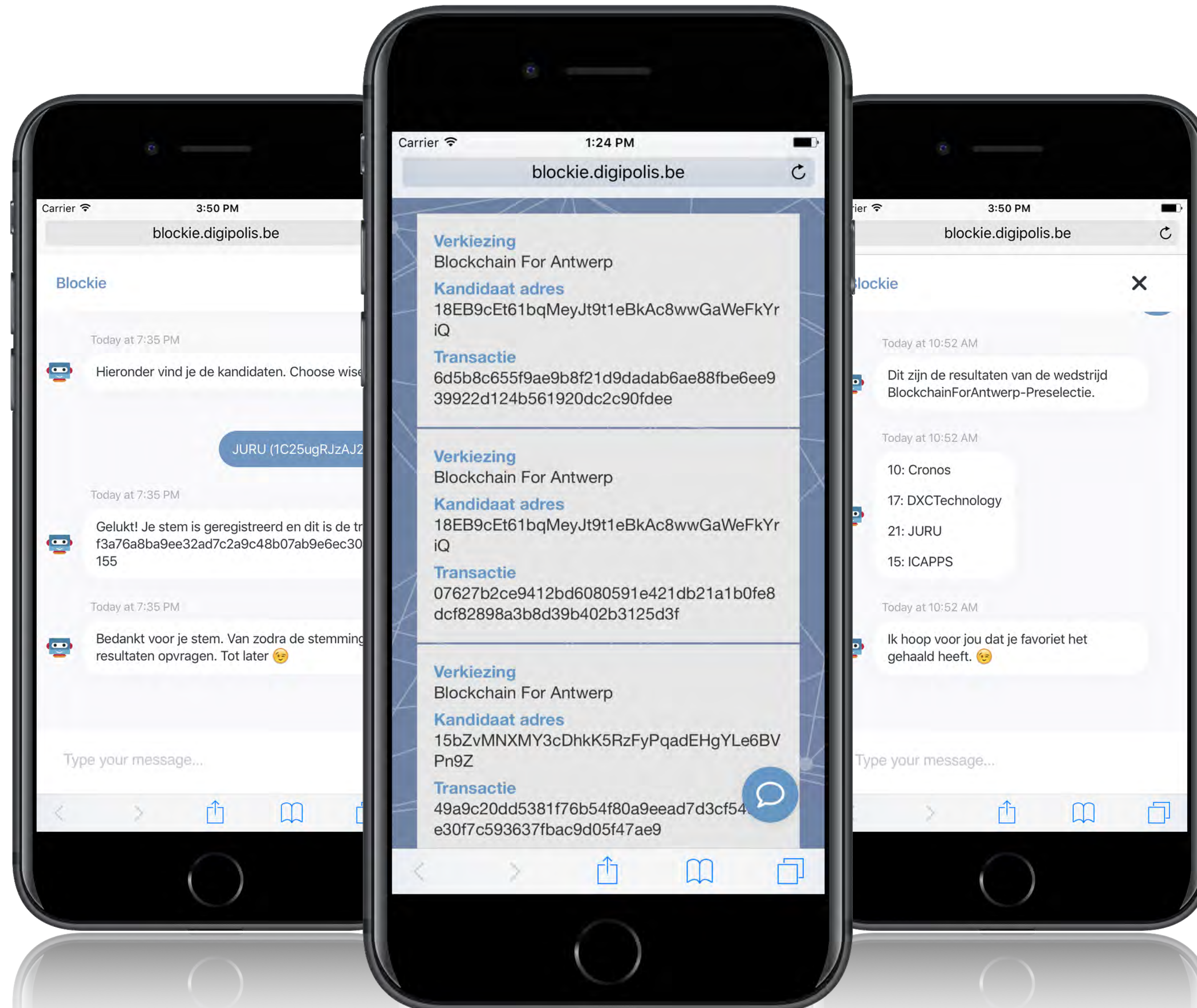
How can we use blockchain technology to register and unlock diploma's, certificates and all other realisations concerning lifelong learning?



#Moonshot-labs



#Blockchain for Antwerp contest





Thanks!

Feedback & questions?

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