

Trust Network for Decentralised Personal Data Management



Harri Honko
@TIIME Conference, SSI Track
Vienna, February 12, 2019

http://bit.ly/TrustNet_TIIME19

TrustNet Consortium

6 commercial companies, target for 3-4 pilots, 3 universities



tieto



Pilot organisations

Research Partners

Public steering, interest
& communications

Focus

Decentralised Digital Identity

- Model for personal data sharing (MyData) in the context of DLTs
- Decentralised national trust network

Practical pilots

- Distributed Ledger Technologies such as Indy as the base for pilots (a common test sandbox)

New kind of platform economy

- Creating value streams based on enforced data portability & individual's consent
- Piloting new consumer solutions

“DLTs as
THE SOLUTION
for implementing
principles of
MyData
??”

Project Model

Companies
In-kind work

Networked
Pilot

Networked
Pilot

Networked
Pilot

+

Pilots

Focus area
(e.g. Money Flow)

Focus area
(e.g. GDPR Readiness)

Focus area
(e.g. Preference
Profile)

Focus area
(e.g. Verifiable Claims)

Practice

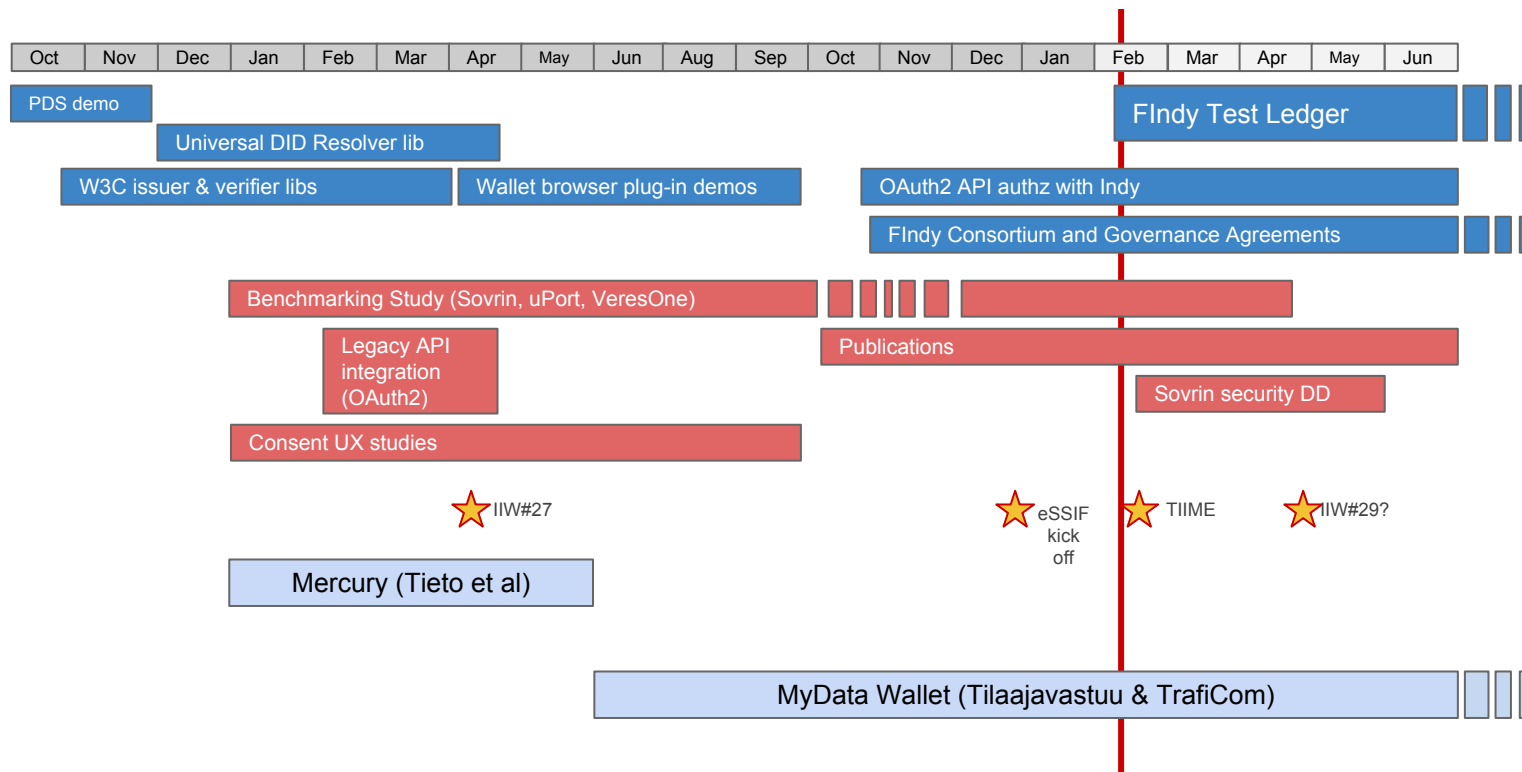
Productising a Sovrin Finland Laboratory → FIndy, Finnish Indy

Theory

Indy security DD, legacy API integration, national governance model and trust framework analysis

Project Funding

TrustNet's Timeline



Now at T=17/21 months

October 2017 \Rightarrow June 2019

Deliverables so far

Code libraries - TrustNetFI@GitHub

- [VC verifier library](#)
- [VC issuer library](#)
- [VC data model Java implementation](#)
- [Agent-plugin backend](#)

Academic publications

- On feasibility of DIDs in IoT devices with limited computational capability
- OAuth-ACE based DID processing proxy for IoT devices

Reports (not yet in public)

- Consent in Context UX Study
- Identity DLT Benchmarking Study

National Indy ledger - Findy

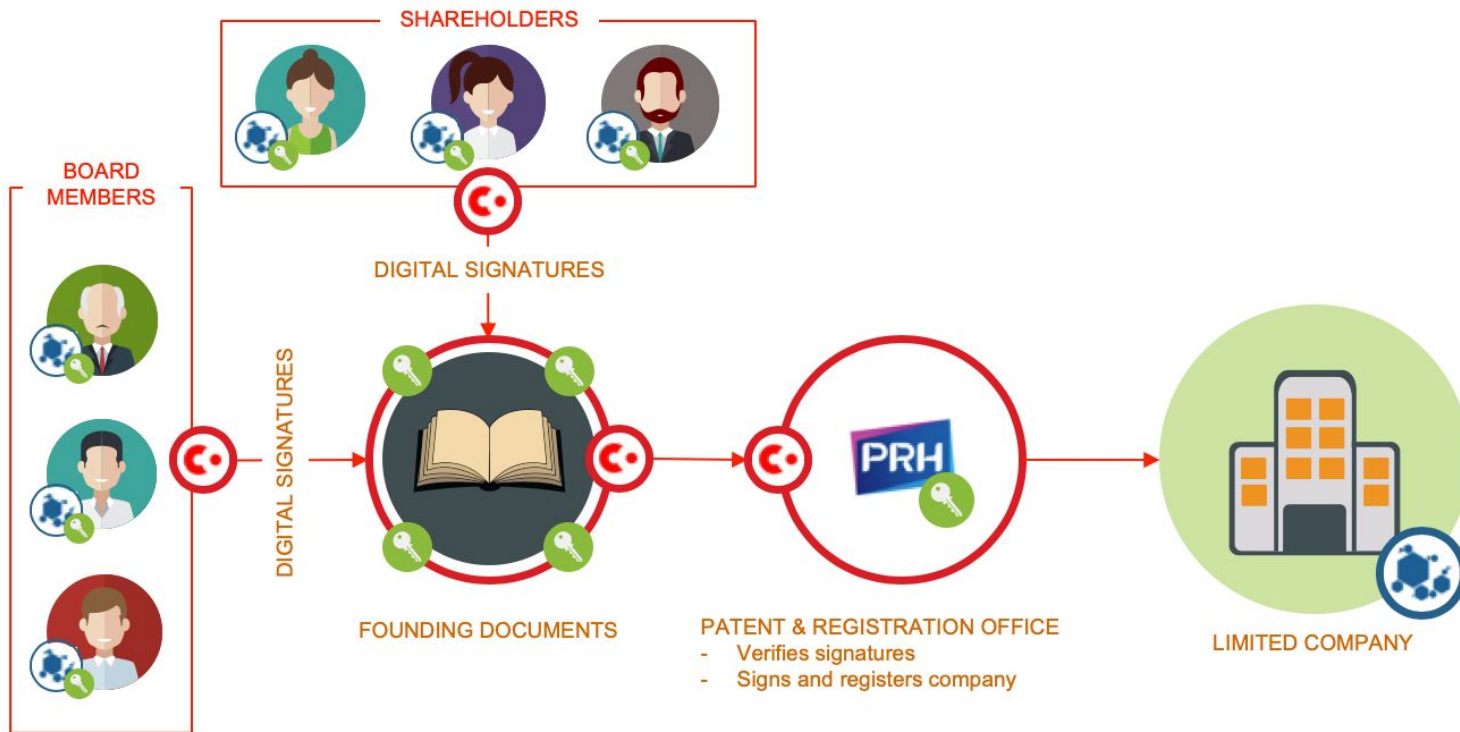
- Consortium agreement (new entrants, not only TrustNet members, open project)
- Web site [Findy.fi](#)
- Technical rulebook and agreements
- Business and legal rulebook
- Incorporation, Articles of Association

Project Mercury builds a business network for forming a limited liability company fully digitally

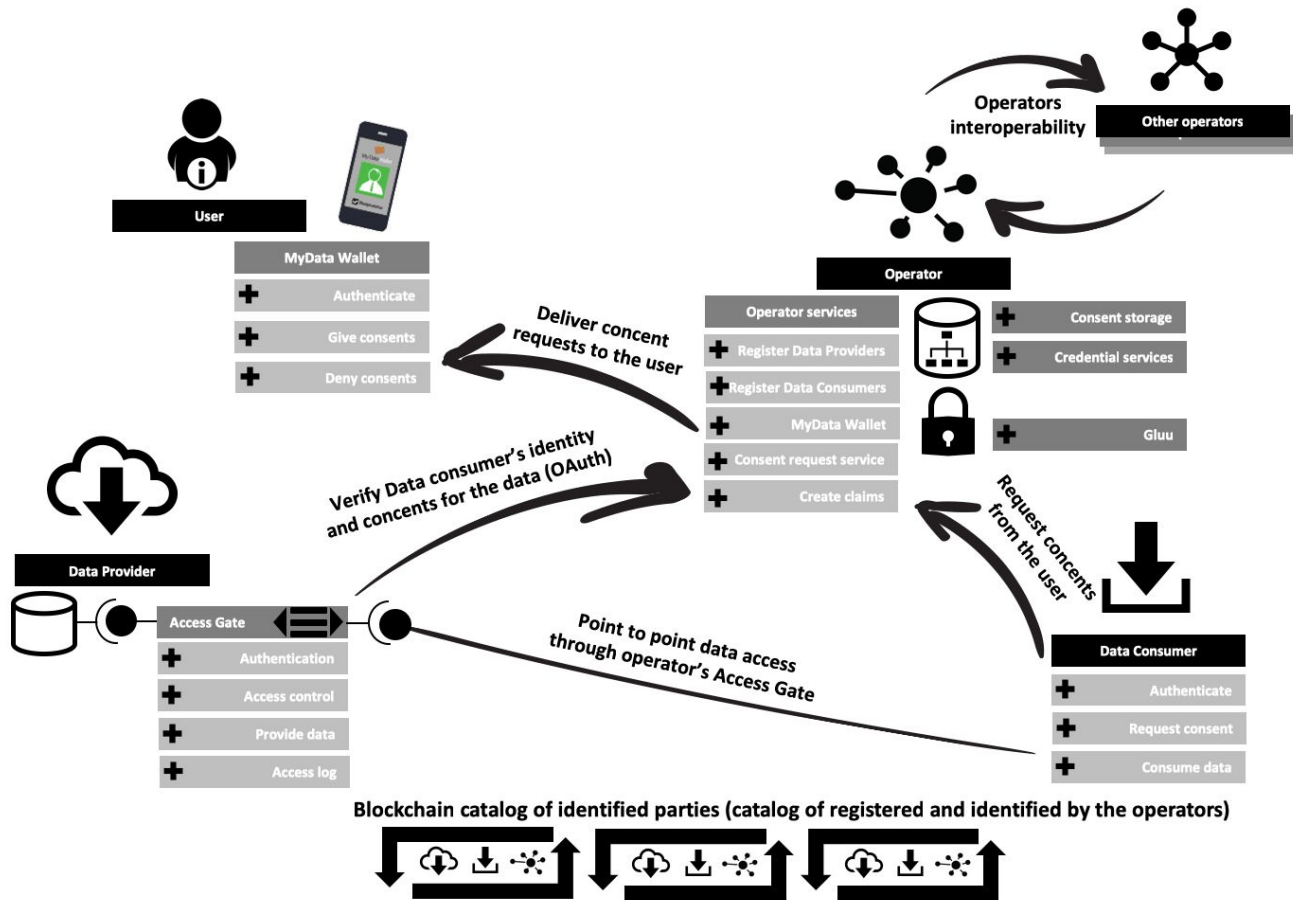
- A proof of concept on fully digital founding of a limited company
- Validates business, legal and technical feasibility of digital company founding
- Uses Hyperledger Indy and Corda
- Released publicly in May 2018



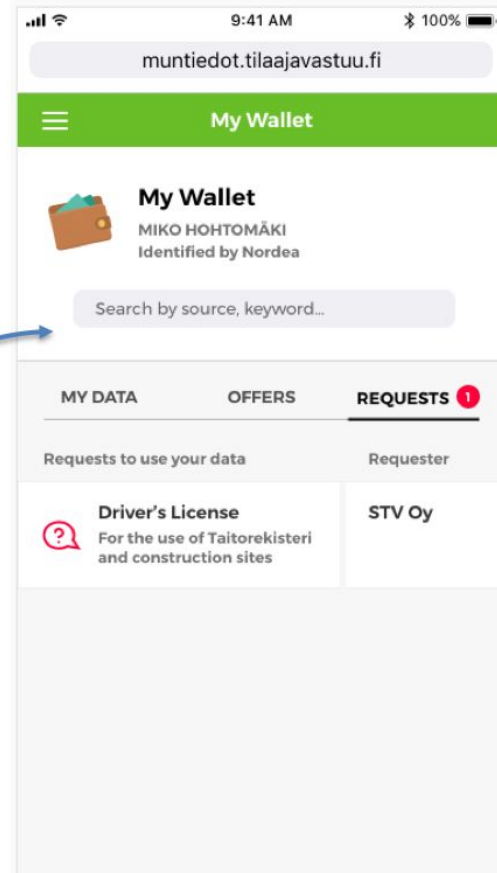
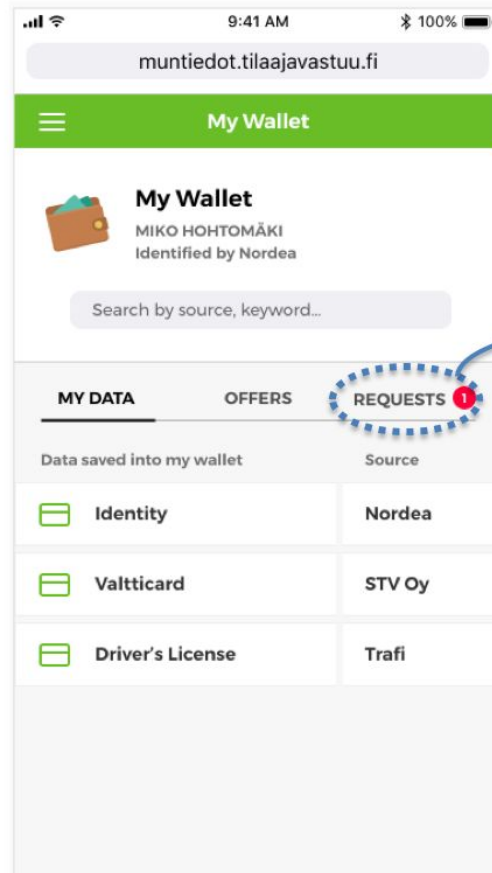
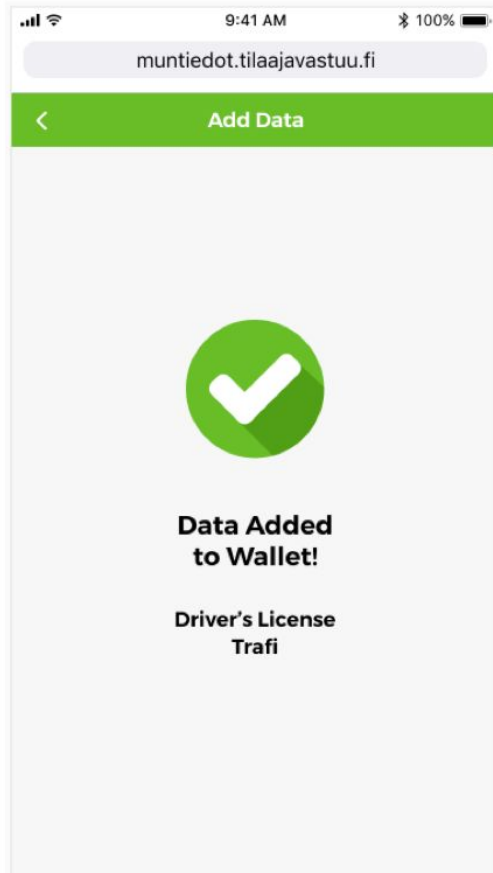
Digital document signing using global decentralized identities enable self-sovereign, globally verifiable signatures



Pilot 2: mydata.tilaajavastuu.fi (2019)

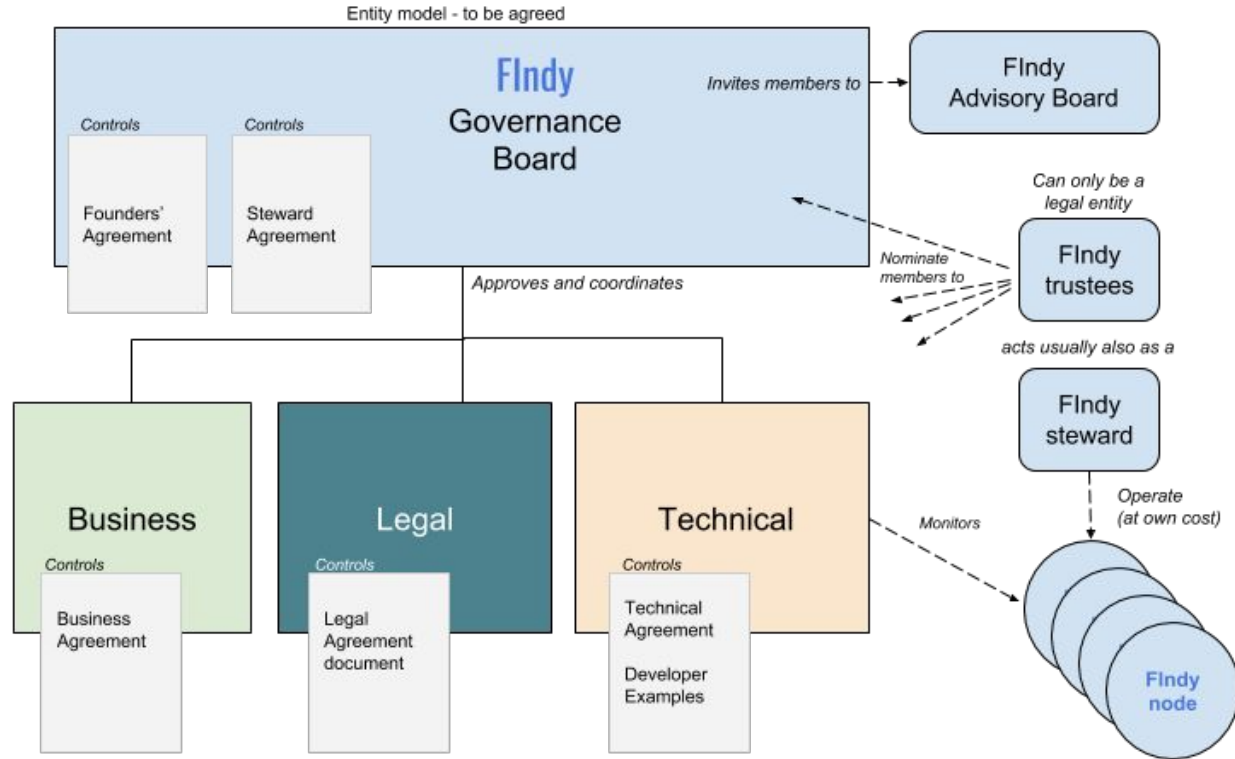


Pilot 2: mydata.tilaajavastuu.fi



FIndy

- A Finnish industry consortium-in-works for a national test ledger
- Based on Hyperledger Indy and some (new) developer tools
- Will serve as test bed for DLT identity pilots (e.g. Mercury or Tilaajavastuu)
- Open consortium model
- Needs governance rulebooks



Contacts

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