Self Sovereign Identity

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TNO AND SELF-SOVEREIGN IDENTITY

Projects, participations

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Scientific Lead of Techruption Blockchain PPP, admintech
Scientific coordinator of H2020 eSSIF-Lab
Director of TNO Blockchain Lab: https://blockchain.tno.nl/lab/aboratory/
Economic Advisory Council of Sovrin, dominant identity blockchain

TNO (https://www.tno.nl/en/)

2600 employee applied R&D institute, founded by law in 1932, strong in digital infrastructures, interoperable data and cyber security
SSI: FILLING IN FORMS THE NEW WAY
**SSI: KEY INGREDIENTS**

- **Verifiable Credentials (VC):**
  - Huge savings and convenience from automated requesting and verifying data
- **Decentralized Identifier (DID):**
  - Public Key Infrastructure without need for central Certificate Authorities

ISSUER, HOLDER, VERIFIER

- Issue Credential
  - Request Credential
  - Issue Credential
  - Request a prod./svc.
  - Request attestations
  - Share attestations
  - Provide the prod./svc.

- Holder
- Verifier

- Issue credential and create proof of integrity and provenance
- Verify attestation i.e. check proof of integrity and provenance
ASK ME FOR A DEMO: MEDICINE PRESCRIPTION

Patient gets recipe from doctor, goes to online pharmacy, pays from health insurance
H2020 cascaded funding:
grants for EU start-ups and SMEs for
SSI infra/technology/component development
commercial SSI application, business acceleration
First open call early 2020
 APPLY FOR AN GRANT

H2020 cascaded funding: grants for European start-ups and SMEs, concerning:
- SSI infra/technology/component development
- commercial SSI application, business acceleration
- first open call early 2020
THANK YOU FOR YOUR ATTENTION

Take a look: TNO.NL/TNO-INSIGHTS