

Self Sovereign Identity

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TNO innovation
for life

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TNO AND SELF-SOVEREIGN IDENTITY

› Projects, participations



CEF Digital
Connecting Europe



Dr. M. Oskar van Deventer

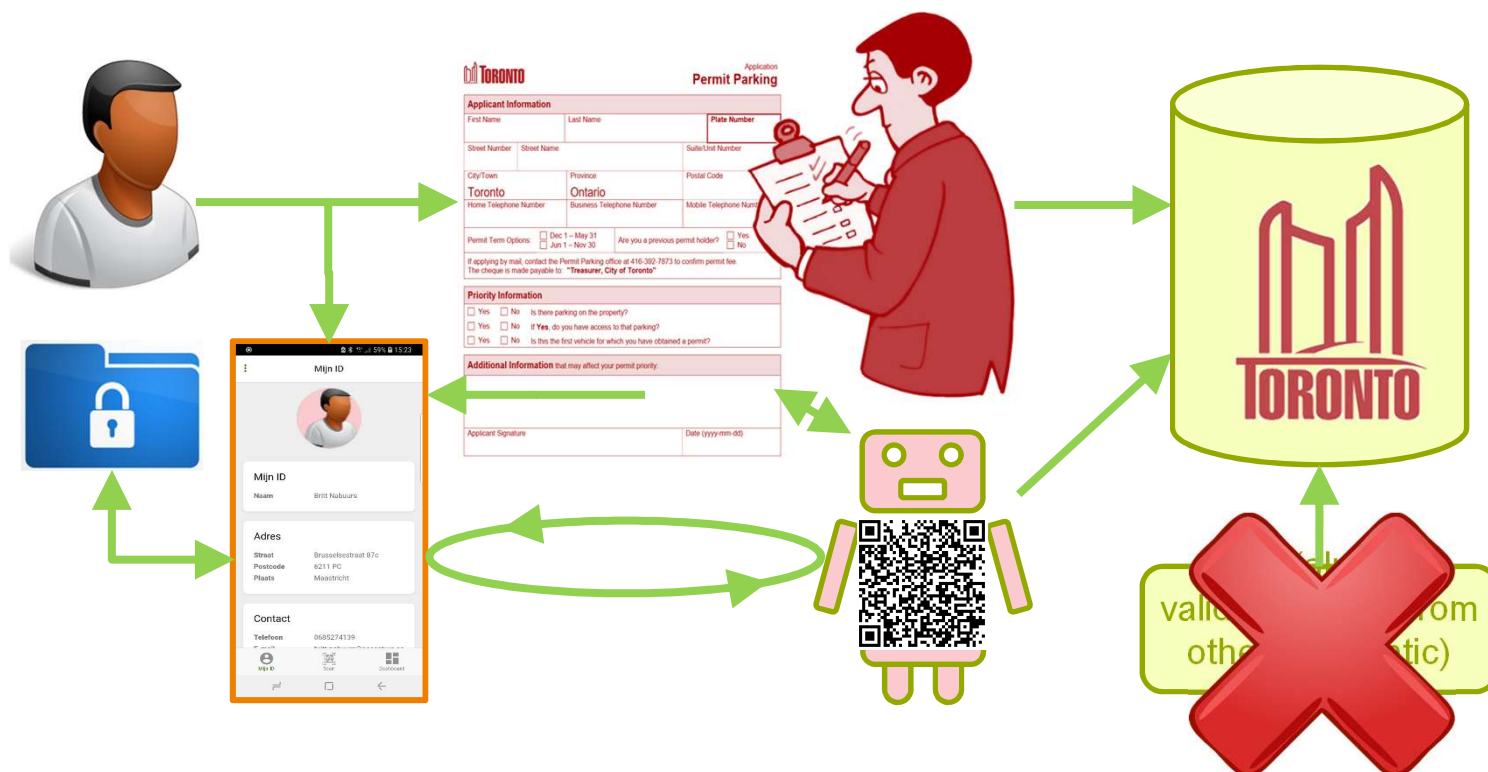
- › Scientific Lead of Techruption Blockchain PPP, admintech
- › Scientific coordinator of H2020 eSSIF-Lab
- › Director of TNO Blockchain Lab: <https://blockchain.tno.nl/laboratory/>
- › Economic Advisory Council of Sovrin, dominant identity blockchain

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

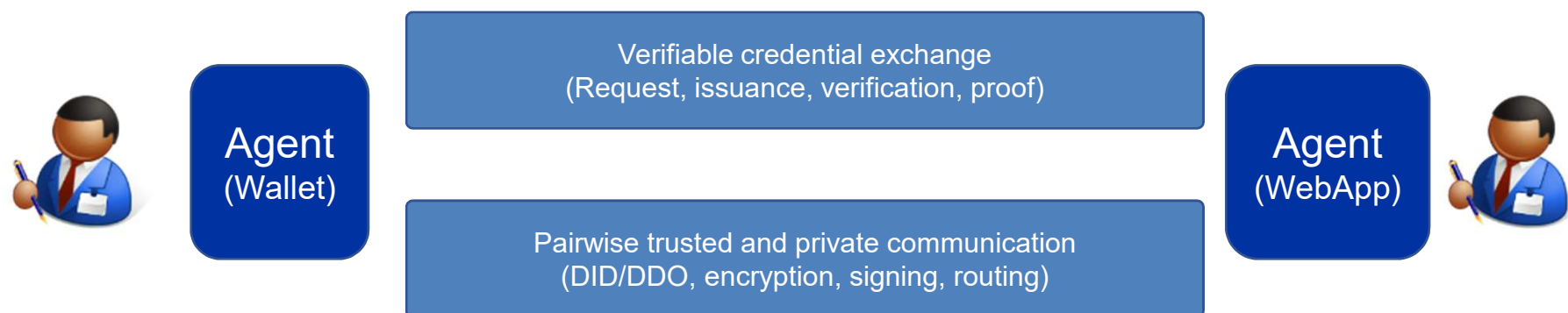


SSI: FILLING IN FORMS THE NEW WAY

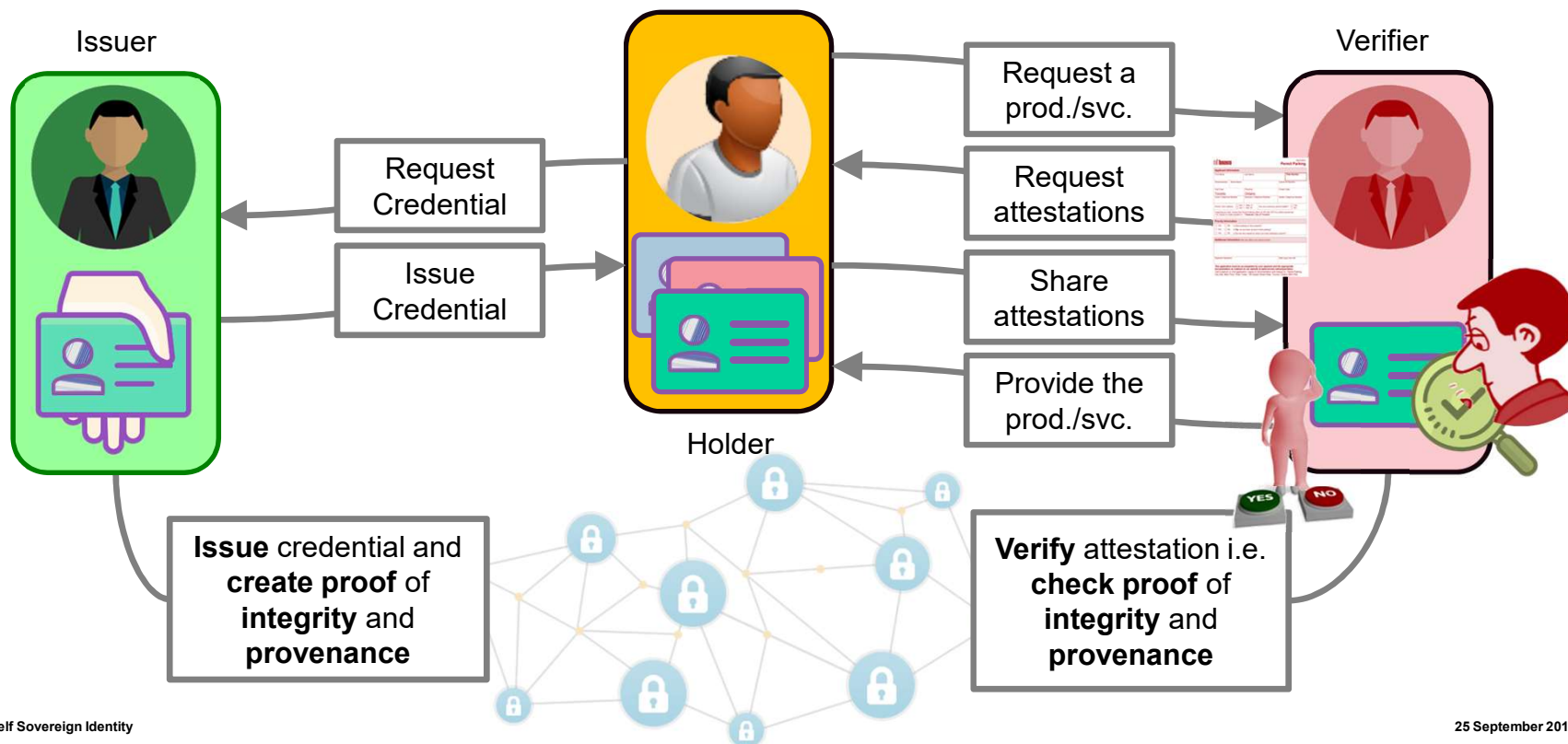


SSI: KEY INGREDIENTS

- › 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
- › Read more: <https://blockchain.tno.nl/blog/self-sovereign-identity-the-good-the-bad-and-the-ugly/>

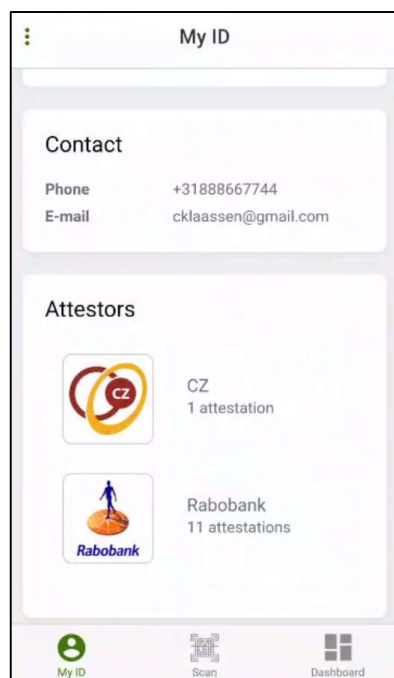


SSI: ISSUER, HOLDER, VERIFIER



ASK ME FOR A DEMO: MEDICINE PRESCRIPTION

› Patient gets recipe from doctor, goes to online pharmacy, pays from health insurance



AttestationShop DEBUG Home UserHome RecipeReq

Receptgegevens invullen



Voornaam	Voornamen	Geslachtsnaam	Geboortedatum	Zorgverzekeraar	Relatienr
Catharina	Catharina Amalia Cornelia	Klaassen	02-02-1962	CZ	435492592

Geneesmiddel Aantal te verstrekken eenheden

Microgynon 20

Geneesmiddel	Stof	Sterkte	Aantal	Eenheid
Microgynon 20	Levonorgestrel/Ethinylestradiol	100/20 mcg	63	st

Maak recept Annuleer Mogelijke NPs

This application is developed with Ampersand technology.

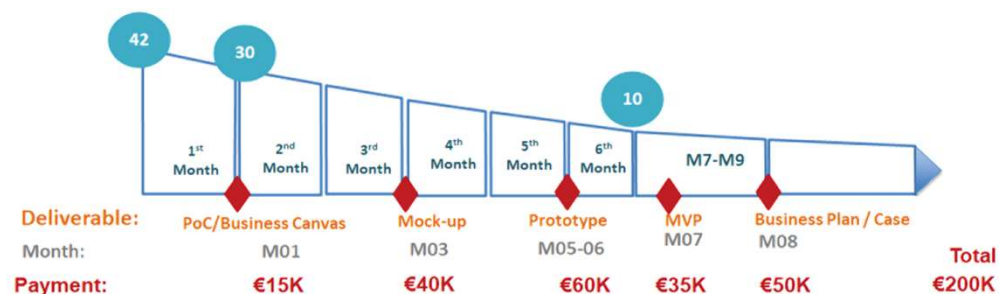
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APPLY FOR AN GRANT

eSSIF-Lab



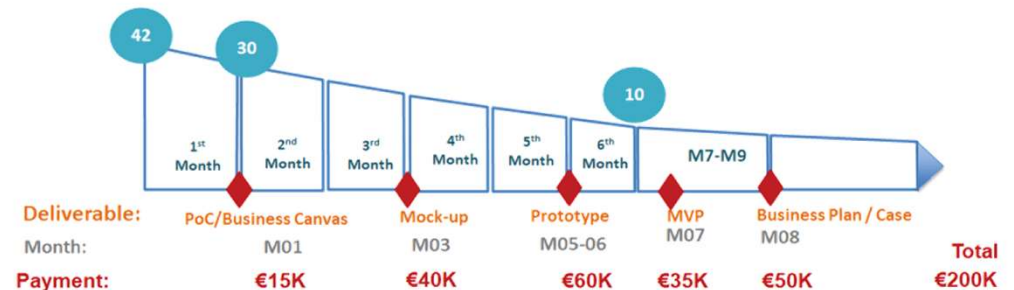
- › **H2020 cascaded funding:**
grants for EU start-ups and SMEs for
 - › SSI infra/technology/component development
 - › commercial SSI application, business acceleration
- › **First open call early 2020**



APPLY FOR AN GRANT

eSSIF-Lab

- › **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



A nighttime photograph of a city street featuring a modern, curved pedestrian bridge with a glass railing. The bridge is illuminated with warm lights, and its reflection is visible in the wet pavement below. In the background, there are several buildings, including a prominent one with a curved facade and many lit windows. Long, horizontal light trails in green and yellow are visible across the middle of the image, suggesting motion from vehicles or lights. The overall scene is a blend of urban architecture and dynamic light effects.

› **THANK YOU FOR YOUR
ATTENTION**

Take a look:
TNO.NL/TNO-INSIGHTS

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