

Self-Sovereign Identity in the Blockchain Age

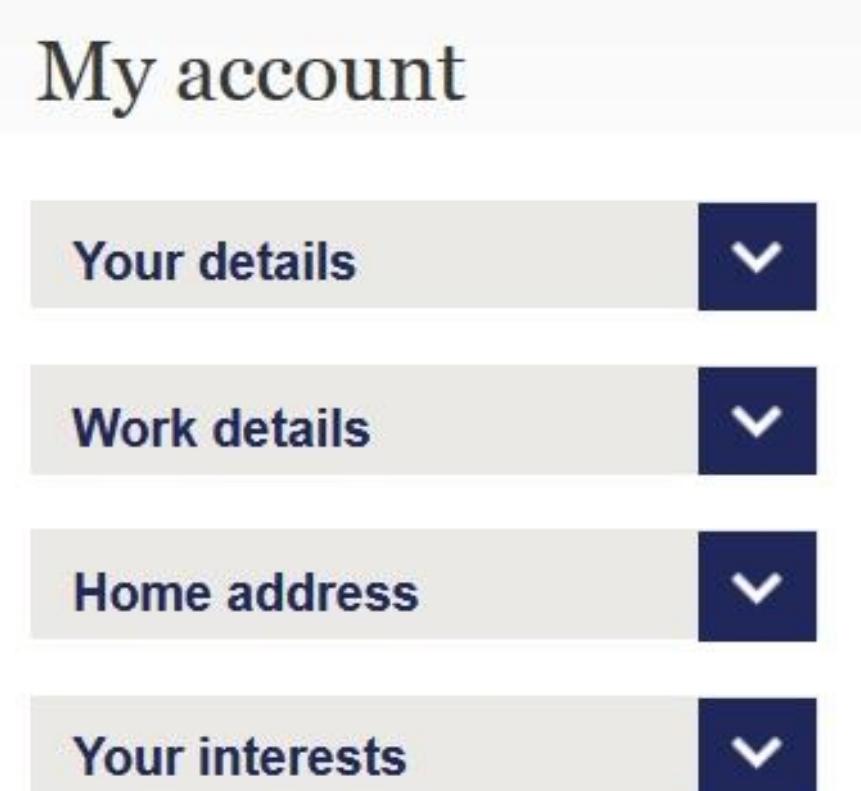
Quinten Stokkink, Johan Pouwelse, Dick Epema

Problem Statement

Individuals own many identities with lots of duplicated data



Individuals have no control over these identities

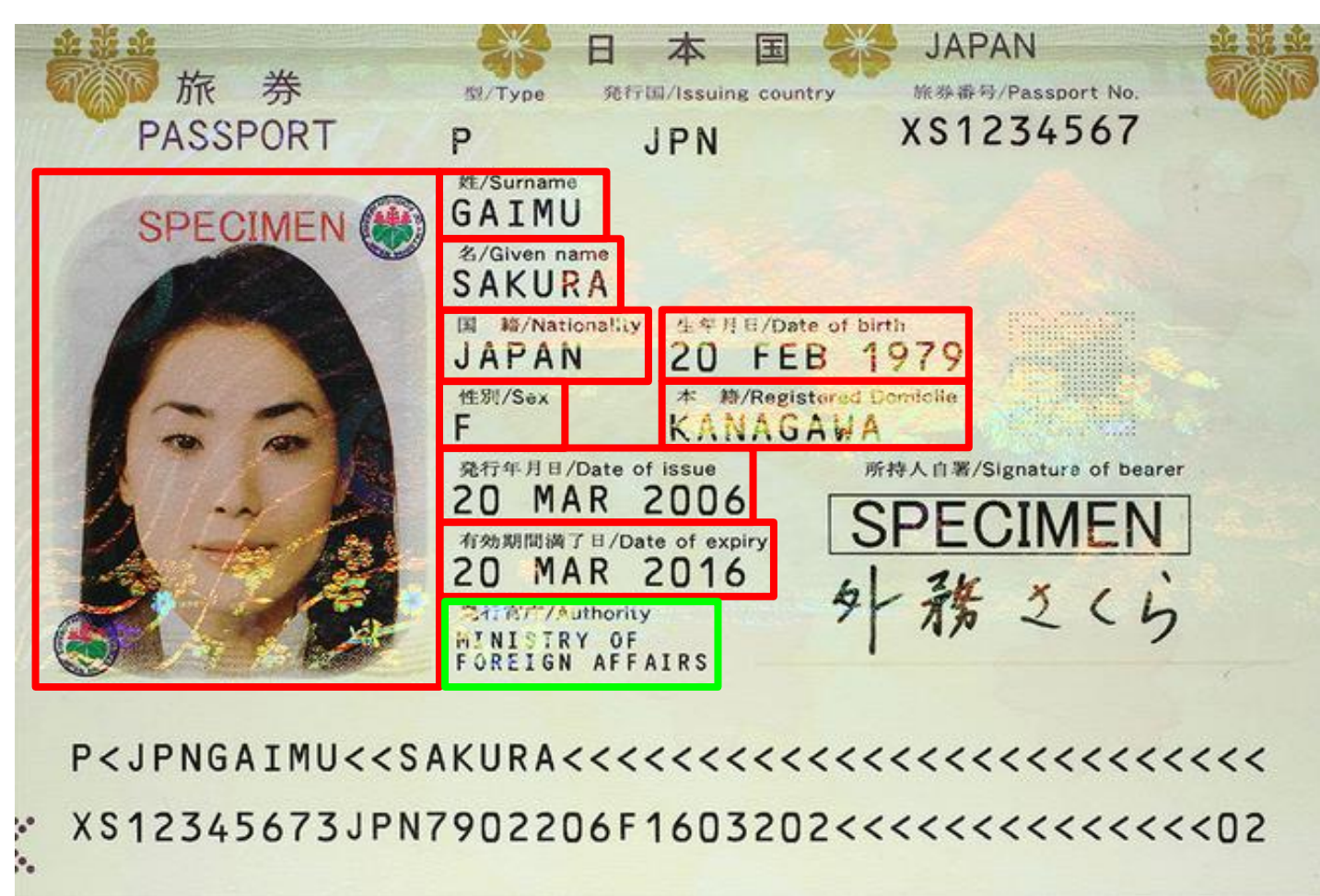


Individuals cannot offer consent for use of their identities



Self-Sovereign Identity

Old

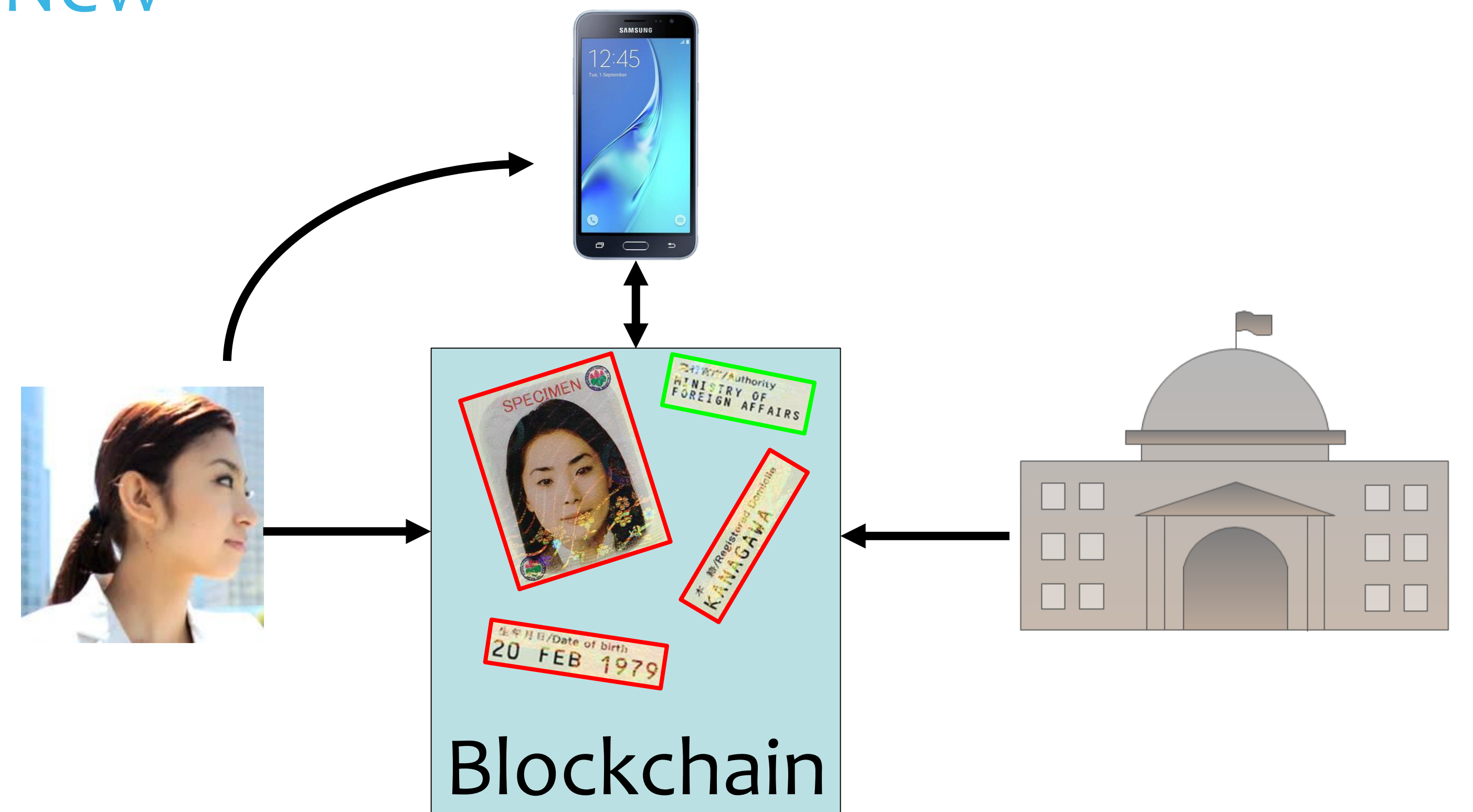


Attributes

Third party attests to the truth of the attribute value

Only disclosed to selected parties

New



Pilot Q3 2018

Municipalities of Eindhoven and Utrecht

400 Citizens

40 Municipalities volunteered

Collect proof for your attributes

The government official attests to the citizen being over 18



Use proofs for transactions

The citizen can buy alcohol after showing the government's attestation of his age

