



Enabling exchange of X.509 signed personal data using VC



George Padayatti

Partner, Head of DevOps, iGrant.io



Lal Chandran

Co-Founder CTO, iGrant.io



ESSIF-LAB

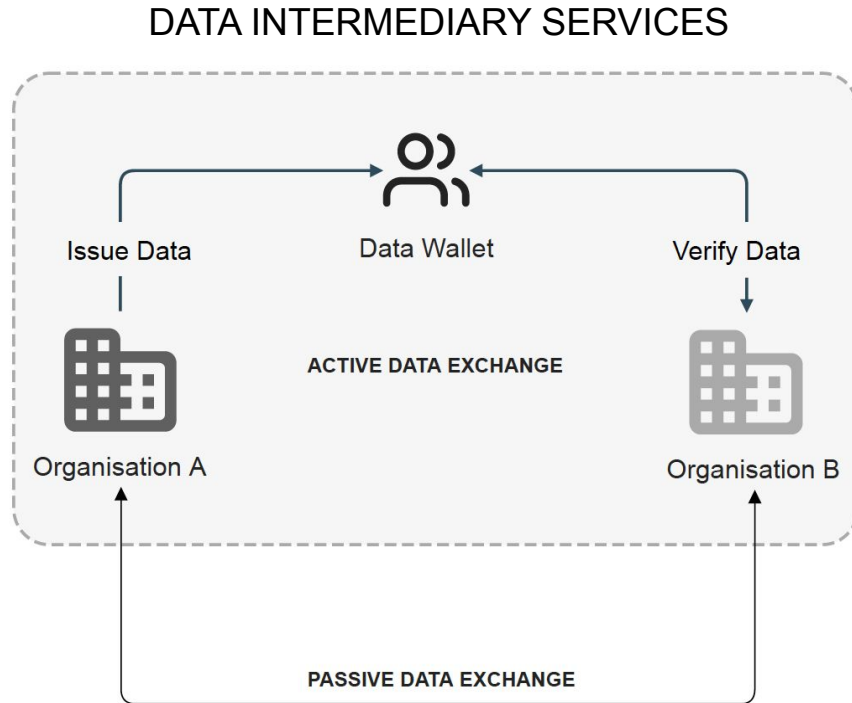
iGrant.io platform: For access to right data

DATA INTERMEDIARY SERVICES

Software-as-a-Service offer



iGrant.io platform: B2B solution offering



DATA REG. COMPLIANCE

USER PREFERENCE
MANAGEMENT

DATA WALLET



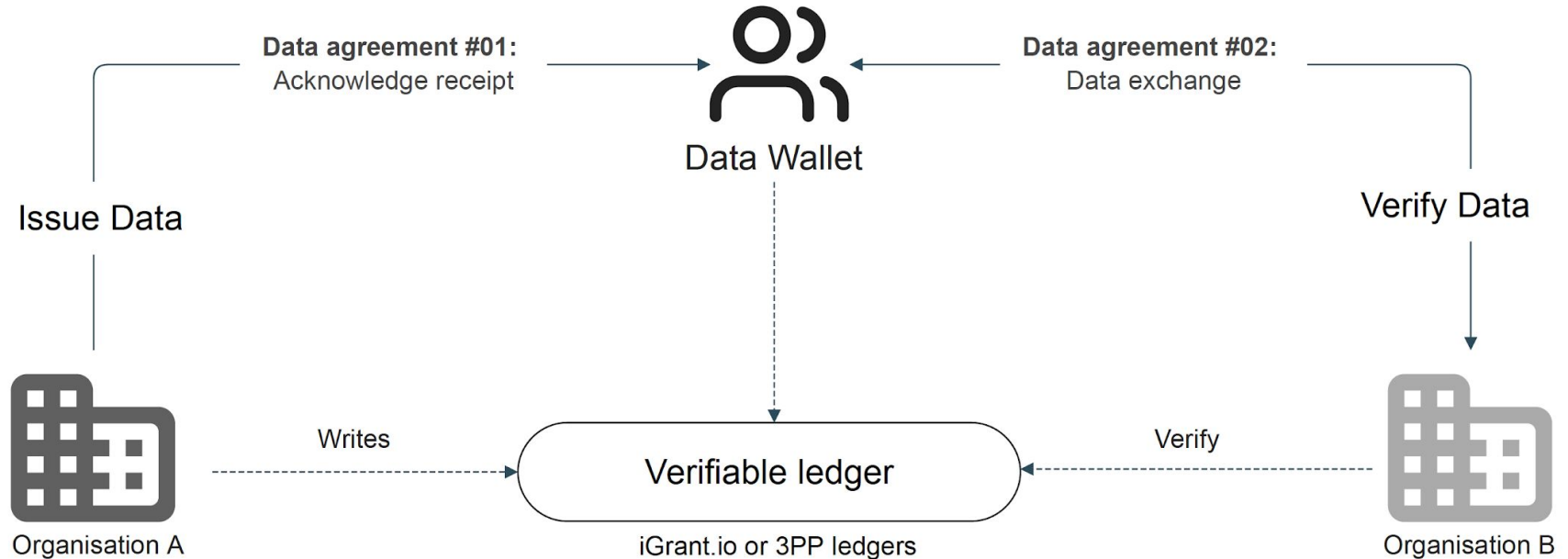
Transition existing X.509 certificate signed documents to verifiable credentials to bridge the gap between existing PKI infrastructure and SSI



DEMO

Data Wallet Demo: <https://www.youtube.com/watch?v=YrS5RNHhBqI>

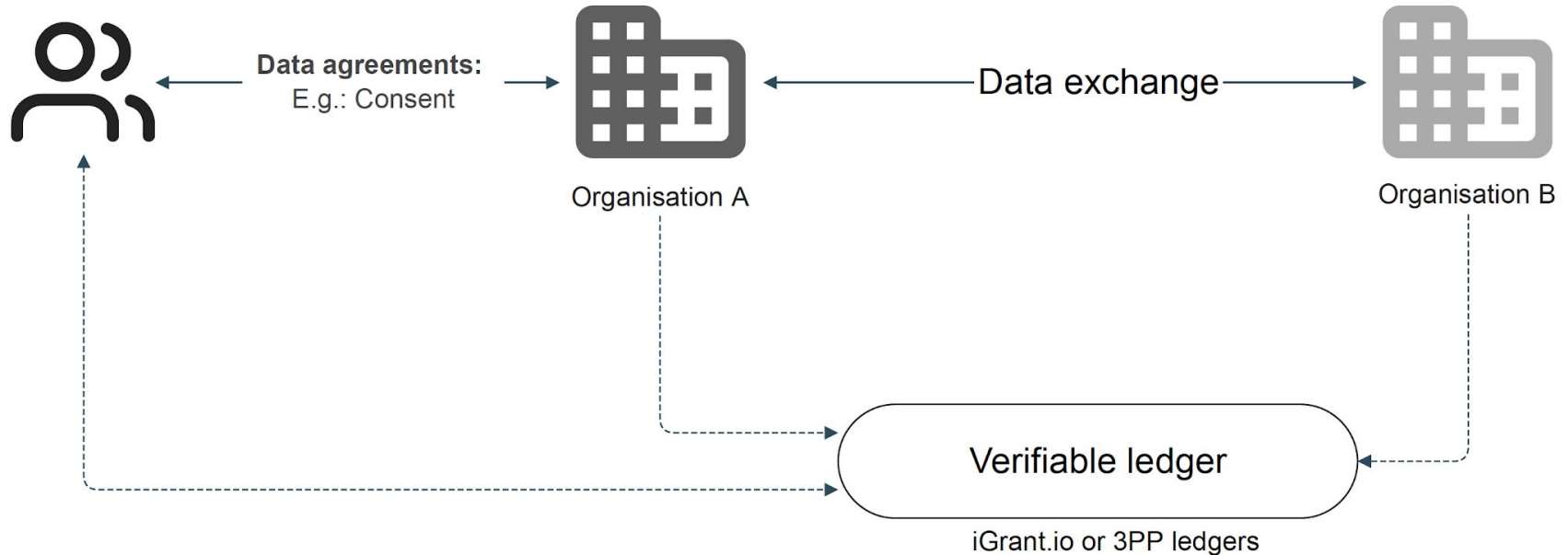
iGrant.io: Active data exchange w/ data agreements



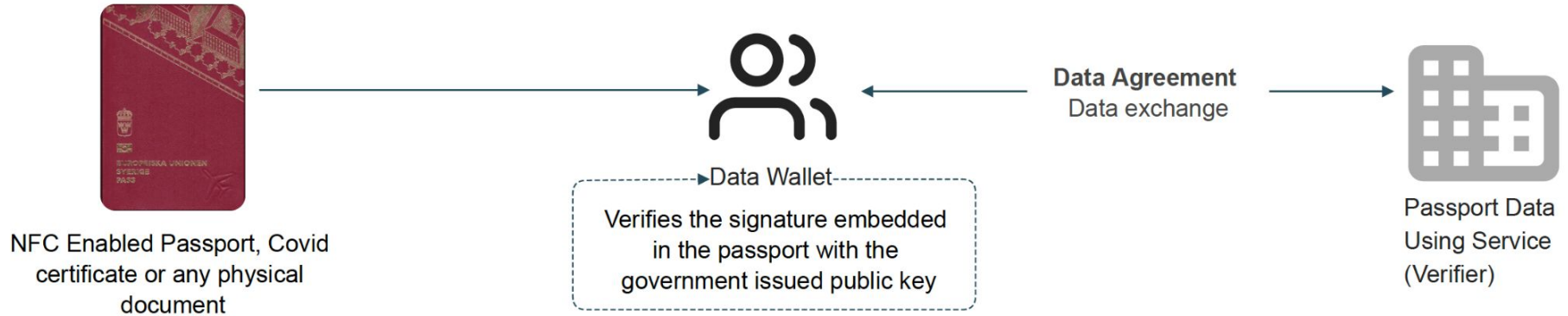
Data Wallet Demo video: <https://www.youtube.com/watch?v=YrS5RNHhBqI>



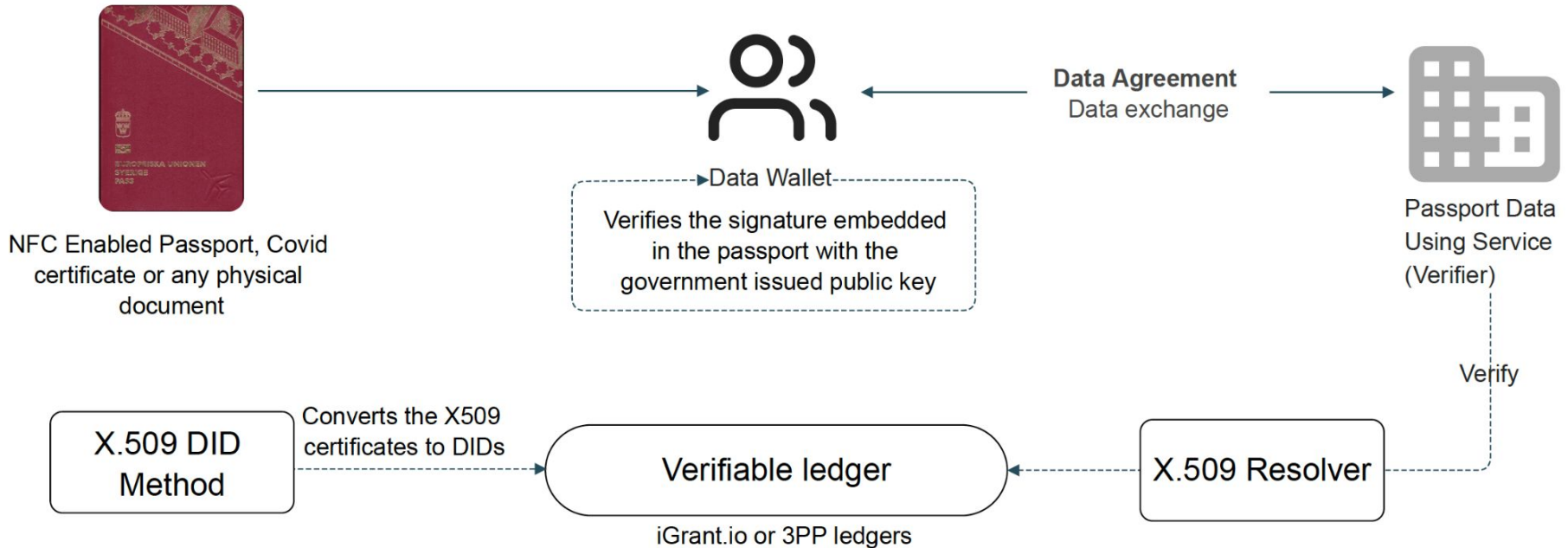
iGrant.io: Passive data exchange w/ data agreements



Physical certificate, e.g. NFC enabled passport



Physical certificate, e.g. NFC enabled passport using DID verification



Open questions/Current challenges

- Where can we get the public keys of government passports that could be used commercially? Is there a “web-of-trust” system for passport authorities within EU, globally? E.g. [ICAO Master list](#)
- Existing physical identifiers are designed for full disclosure.
 - How do we enable selective disclosure for physical identifiers?
 - How do we enable zero knowledge proofs for existing physical identifiers when converted to verifiable credentials?
- What is the best way for the verifier to verify the issuer of the data ?



References

- `did:mydata` for data agreements: [Specification](#)
- Decentralising PKI with DIDs
 - WIP: `did:x509`
 - <https://github.com/spruceid/ssi/issues/117>
 - [X509 certificates to DID](#)
- W3C Vaccination Certificate Vocabulary - <https://w3c-ccg.github.io/vaccination-vocab/>

Demo videos:

- Data Wallet Demo: <https://www.youtube.com/watch?v=YrS5RNHhBqI>

Documentations:

- [Sustainable data exchange whitepaper](#)
- <https://docs.igrant.io/docs/>
- <https://igrant.io/whitepaper.html>





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Your data, your choice.

Office Address:

LCubed AB, Bössvägen 28, 192 55 Sollentuna, Stockholm, Sweden

Org nr: 559133-2720, VAT nr: SE559133272001