

Consented Data Exchange and Verification Services with Digital Wallets

Making personal data spaces trustworthy, auditable and immutable

Digital wallet presentation to OIX
18 May 2023



MyData
Operator
2022



iGrant.io®
Your data, your choice.

Contents for today

- Background - Digital Wallets
- Demo and use cases enabled by digital wallets
- EUDI Wallet and the ARF



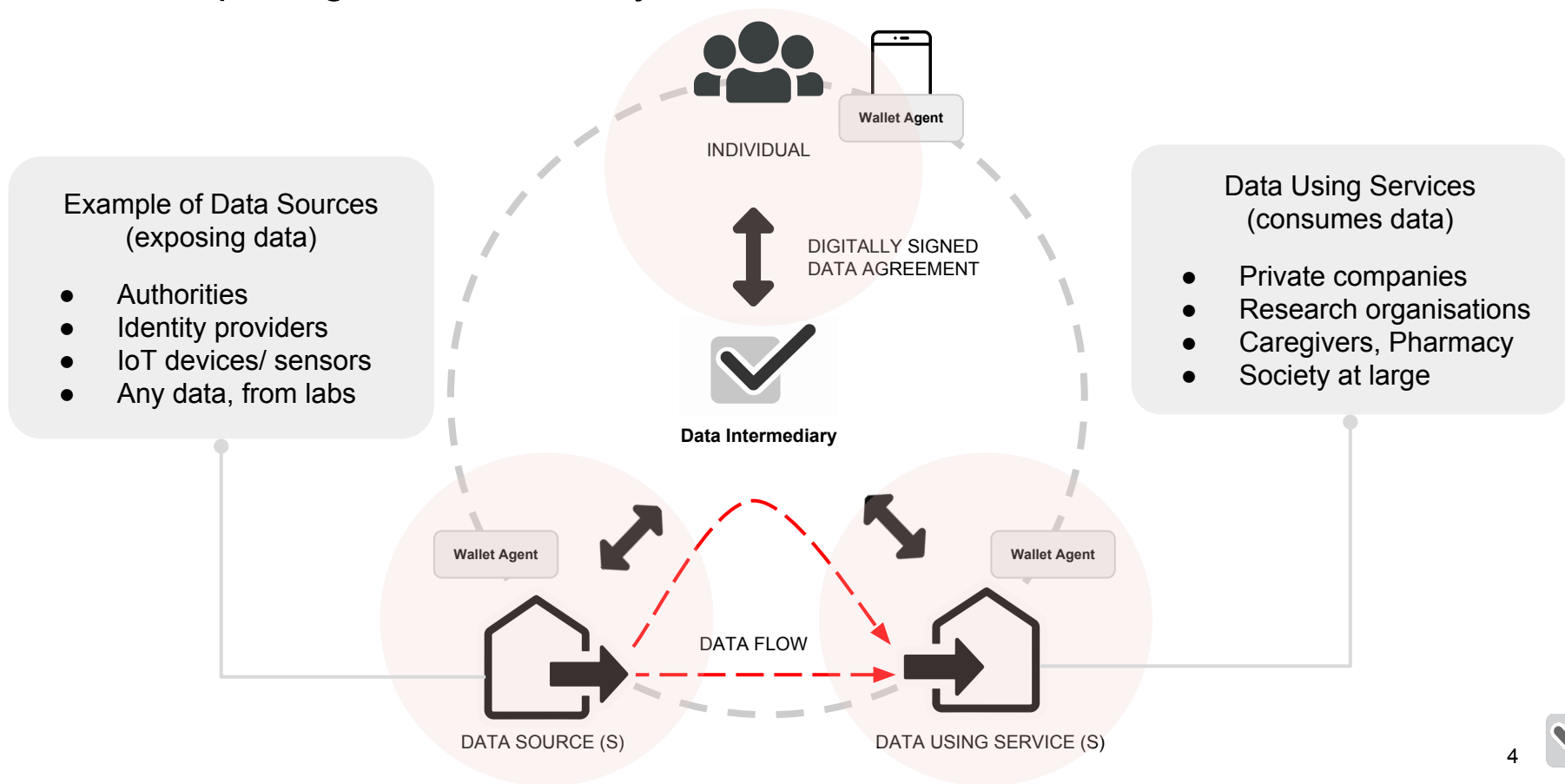


Every time an App or website asks us to create a new digital identity or to easily log on via a big platform, we have no idea what happens to our data in reality. That is why the Commission will propose a secure European e-identity. One that we trust and that any citizen can use anywhere in Europe to do anything from paying your taxes to renting a bicycle. A technology where we can control ourselves what data is used and how.

Ursula von der Leyen, President of the European Commission, in her State of the Union address, 16 September 2020



An example digital wallet ecosystem

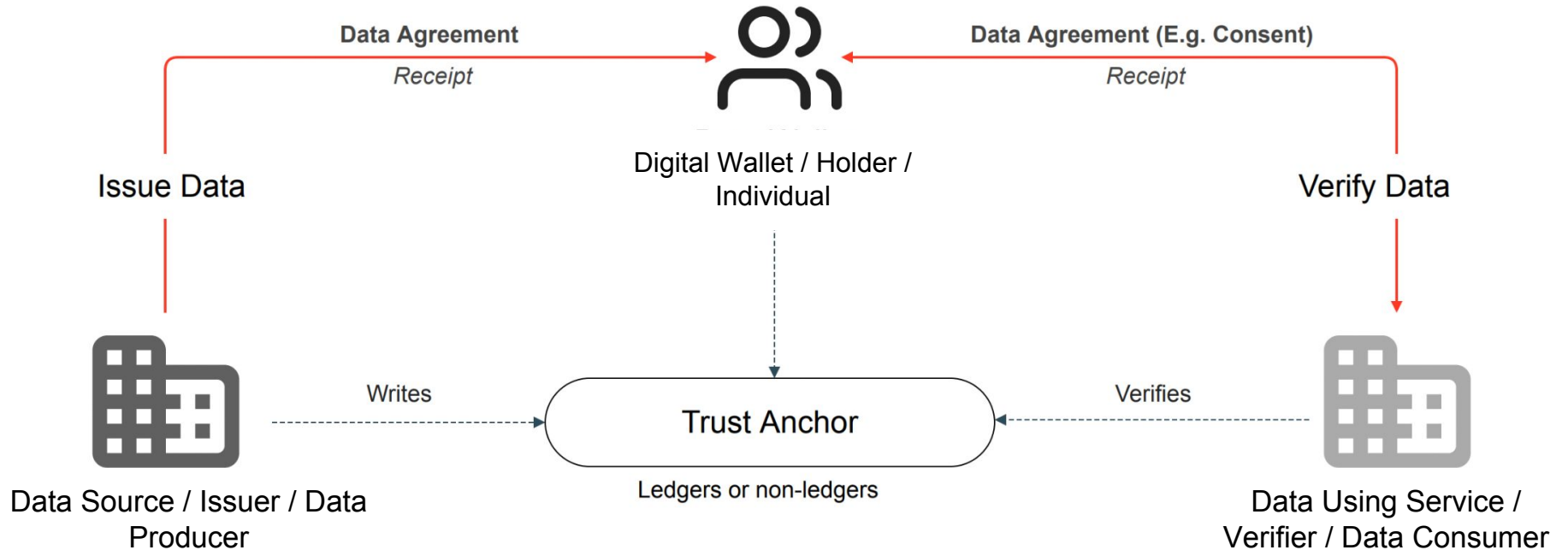


Key features of a digital wallet

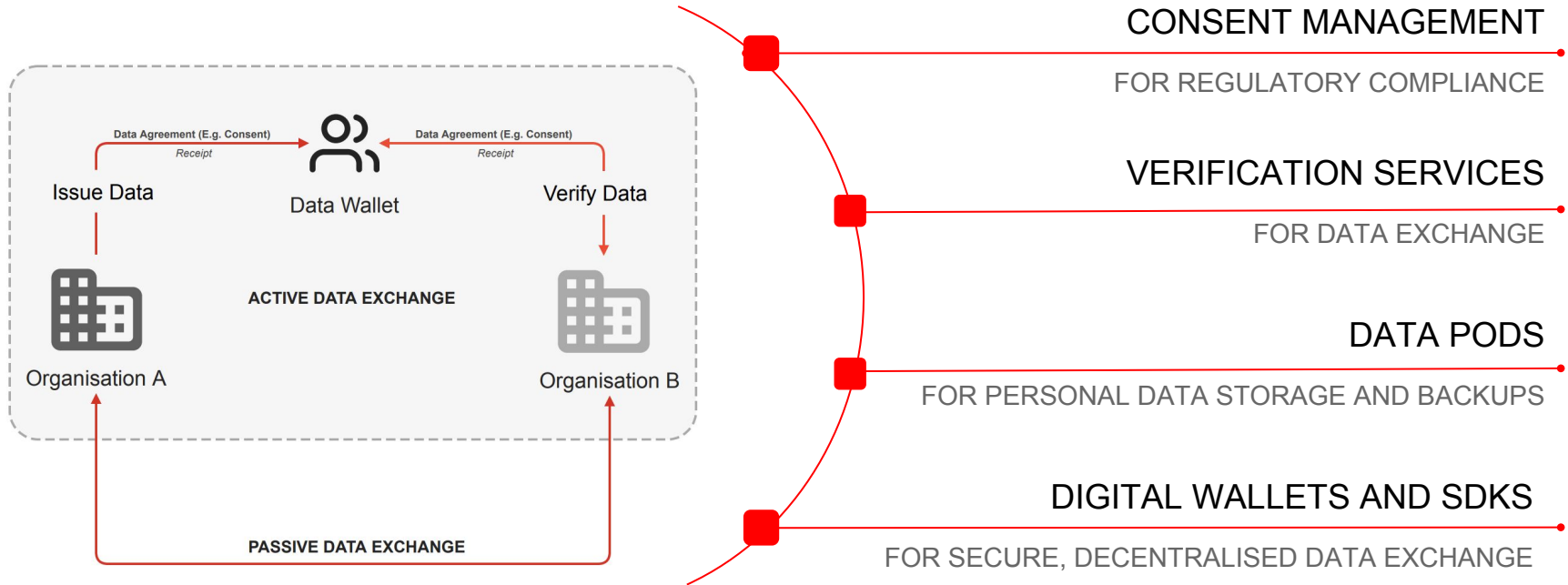
- Secure storage and sharing of verifiable credentials
- Digital identity management
- Privacy and security
- Interoperability
- Compliance with standards and regulations



A typical digital wallet use case scenario



iGrant.io: B2B/B2G SaaS solution offering

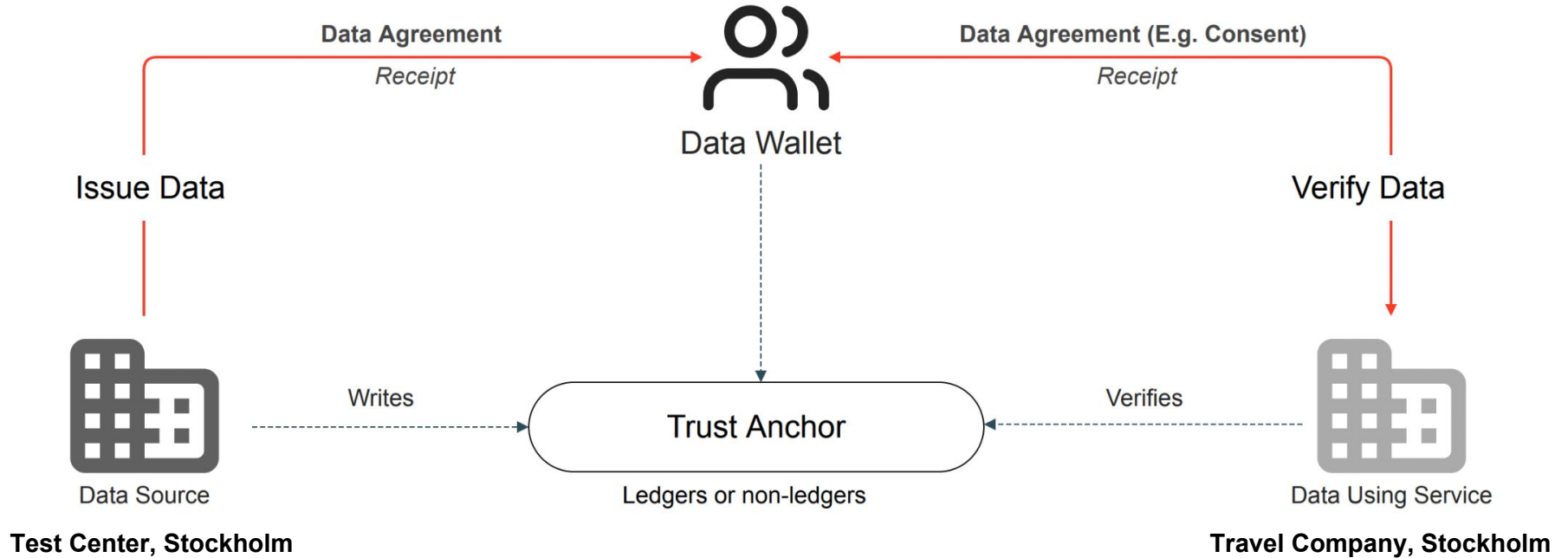




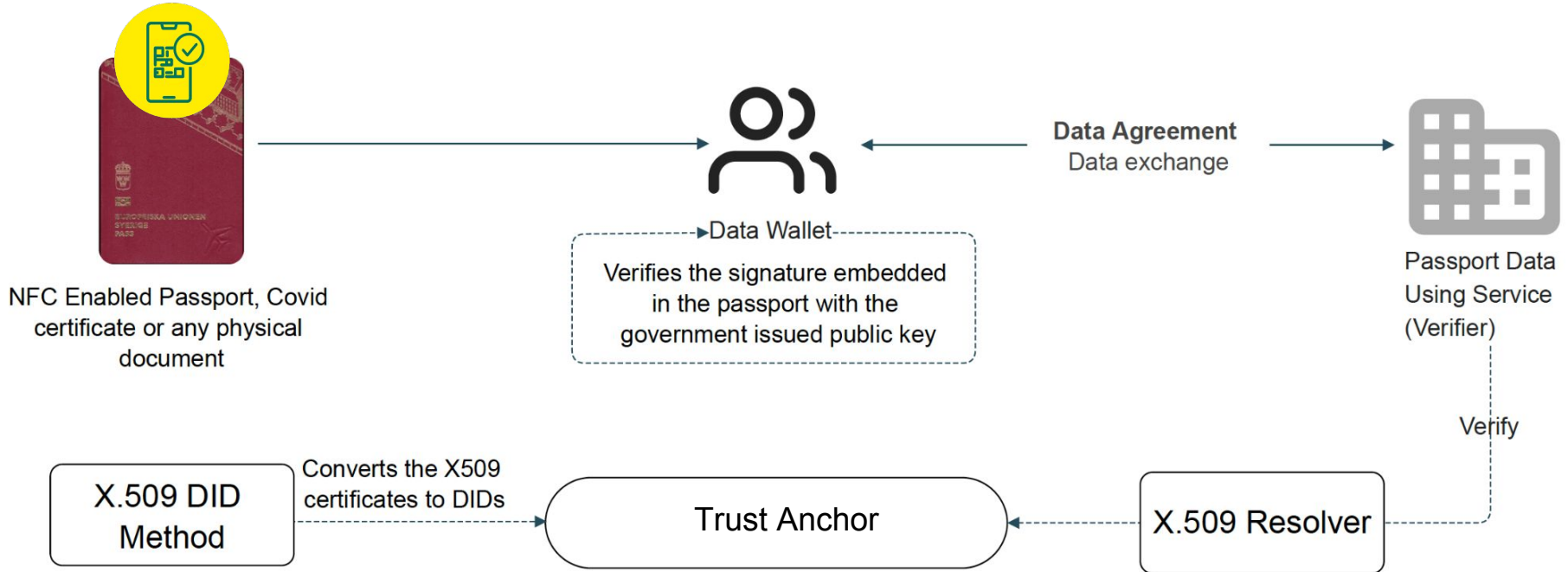
DEMO

Data Wallet Demo: <https://www.youtube.com/watch?v=NF81dIISBeA>

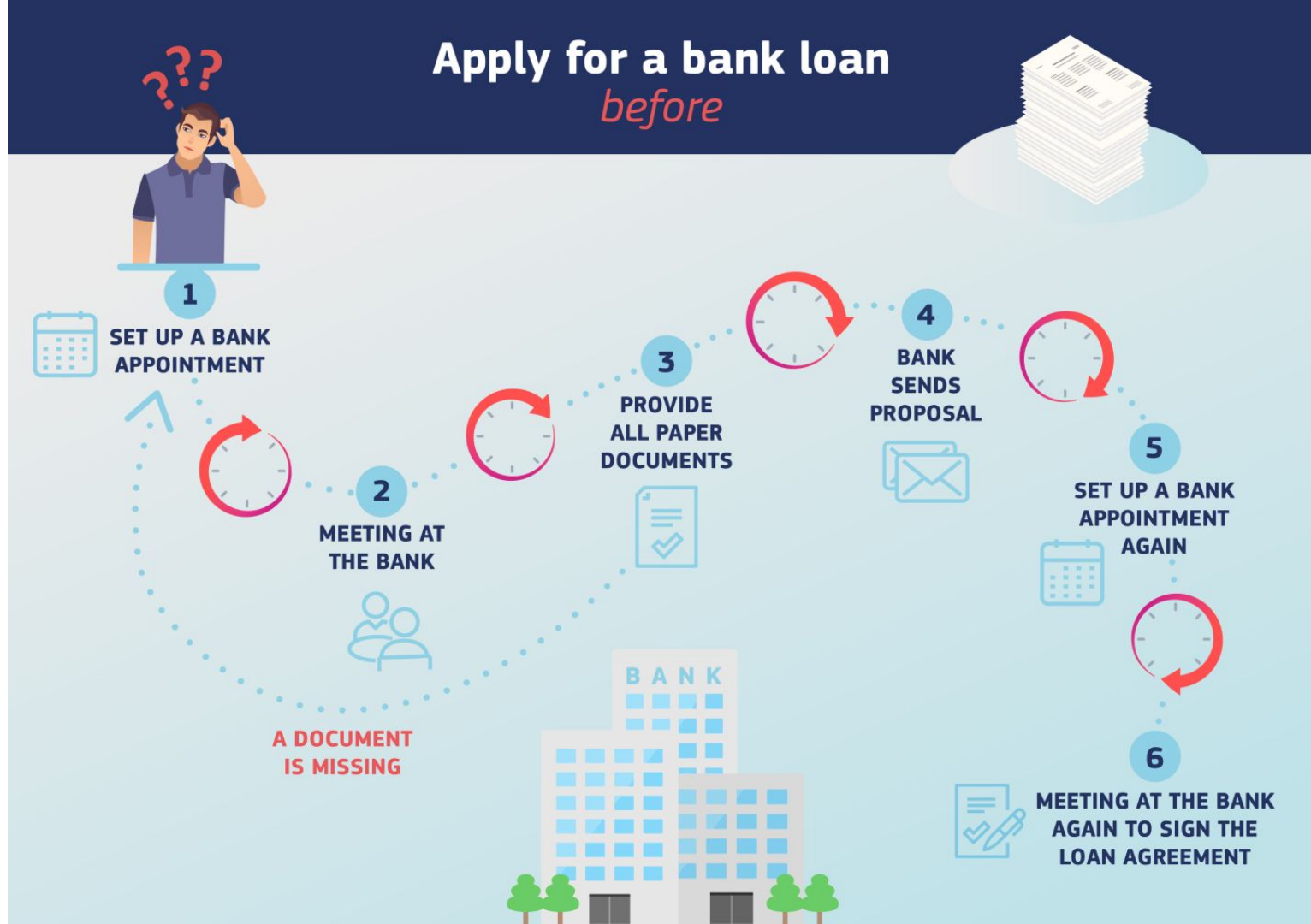
Use case 01: Issuer/Verifier Data exchange end-to-end



Use case 02: X.509 credentials verification



Example Digital Wallet Use Case (Before)



Example Digital Wallet Use Case (Tomorrow)



1

THE USER HAS ALL HIS DOCUMENTS IN HIS PERSONAL DIGITAL WALLET, FROM NATIONAL IDENTITY TO INCOME STATEMENT.



2

HE SELECTS ONLY THE REQUIRED DOCUMENTS ASKED BY THE BANK FOR THE LOAN APPLICATION AND SENDS THEM EASILY IN FULL SECURITY.

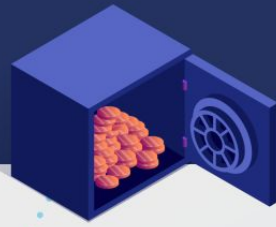


3

THE BANK RECEIVES THE DOCUMENTS ELECTRONICALLY. IF A DOCUMENT IS MISSING, IT IS ONLY ONE CLICK AWAY FOR THE USER. THE APPLICATION IS READY TO CONTINUE.



BY USING THE EUROPEAN DIGITAL IDENTITY, THIS PROCESS IS STREAMLINED AND MORE TIME EFFICIENT



Apply for a bank loan *after*



EUDI Wallet Roles and the ARF

EUDI wallet provider

- Each Member State determines mandate or recognition
- Compliance with requirements for EUDIW

PID (Person Identification Data) provider

- LoA: High identity verification of EUDIW User
- Issue PID to the EUDI Wallet according to ARF formats
- Validity status check services for PID
- Each Member State determines PID provisioning

Trusted list provider

- Maintain and make available trusted list of e.g.
- EUDIW providers, PID providers, QEAA + EAA providers, Relying Parties

QEAA provider

- Provided by a QTSP under existing Trust Framework
- Interface for requests and provisioning of QEAA
- Mutual authentication to EUDIW
- Possibly an interface to Authentic Source
- Validity status check service
- MUST NOT learn anything about the use of a QEAA they issue when validity status checks are performed



References

- EU Commission page:
https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/europe-fit-digital-age/european-digital-identity_en
- European Union Digital Identity (EUDI) wallet ARF:
<https://github.com/eu-digital-identity-wallet/architecture-and-reference-framework>
- iGrant.io data wallet demo video:
<https://www.youtube.com/watch?v=lx8F5D9qPQI&t>
- Download the data wallet and try it out: <https://igrant.io/demo.html>





FOLLOW US



- Founding year: 2017
- Employees and contractors: 18
- Headquartered in Stockholm (Sweden) and DevOps subsidiary in Kochi (India)



iGrantio[®]
Your data, your choice.

Office Address:

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

Org nr: 559133-2720, VAT nr: SE559133272001