

Impact of European Digital Identity Wallet on NRENs

GÉANT Innovation Programme 2021

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Digital Identity

for All Europeans

eID



European Commission
Commission européenne



Commission européenne
European Commission

#DigitalEU
#EUdigitalidentity

#D
#EUdi

eWallets: what will change

- Shift from 'identity only' eID to a wide range of (identity related) attributes
- Every member state must provide at least one eWallet to it's citizens
- Not only for the public sector, but also for private sector use cases

Research questions

1. How does the EU Digital Identity Wallet ecosystem impact the role of NRENs and providers of credentials in the research and education domain?
2. How can existing NREN initiatives be leveraged to support the EU Digital Identity Wallets?
3. Is there a coordinating or supporting role to be played by GÉANT in this ecosystem?

Roles in EU wallet ecosystem (simplified view)


Person Identification Data
Providers,
Authentic Sources

Provides
Wallet


Wallet provider



Provides attestations




Attribute provider

Registers info




User



Provides
attestation



Relying party



Checks validity



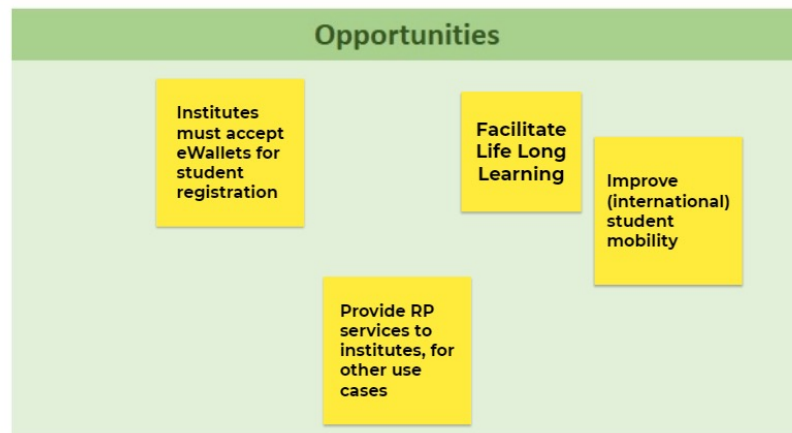
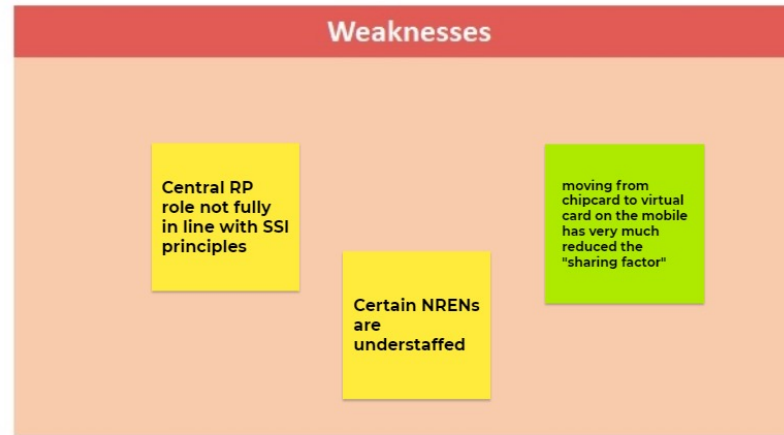
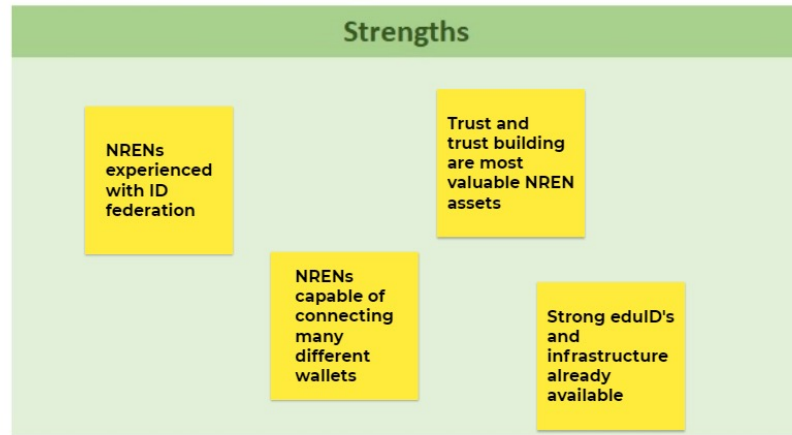

Trusted List Provider

Main roles

- Wallet Provider
- Person Identification Data Provider
- Authentic Source
- Electronic Attestation of Attributes Provider
- Relying Party
- Trusted Lists Provider

SWOT for NREN roles (example)

NREN as Relying Party



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Relevant NREN roles

- Relying Party
- Authentic Source
- Electronic Attestation of Attributes Provider
- Wallet Proxy

All on behalf of their members

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Recommendations

- We advise both institutes and NRENs to actively assess eWallet developments, not only in the research and education domain but in the market in general, and adapt the strategies for their trust and identity frameworks accordingly
- GÉANT may facilitate this through market research, eWallet technology assessments, market consultations for eWallet solutions and services, and providing a strong liaison with EC identity initiatives such as the EDI Toolbox development
- GÉANT can support and harmonize the development of eWallet research and educational content standards and act as a sectoral governance body for these standards