



# Browser based Wallet

Public Sprint Demo

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Sprint Demo, Online  
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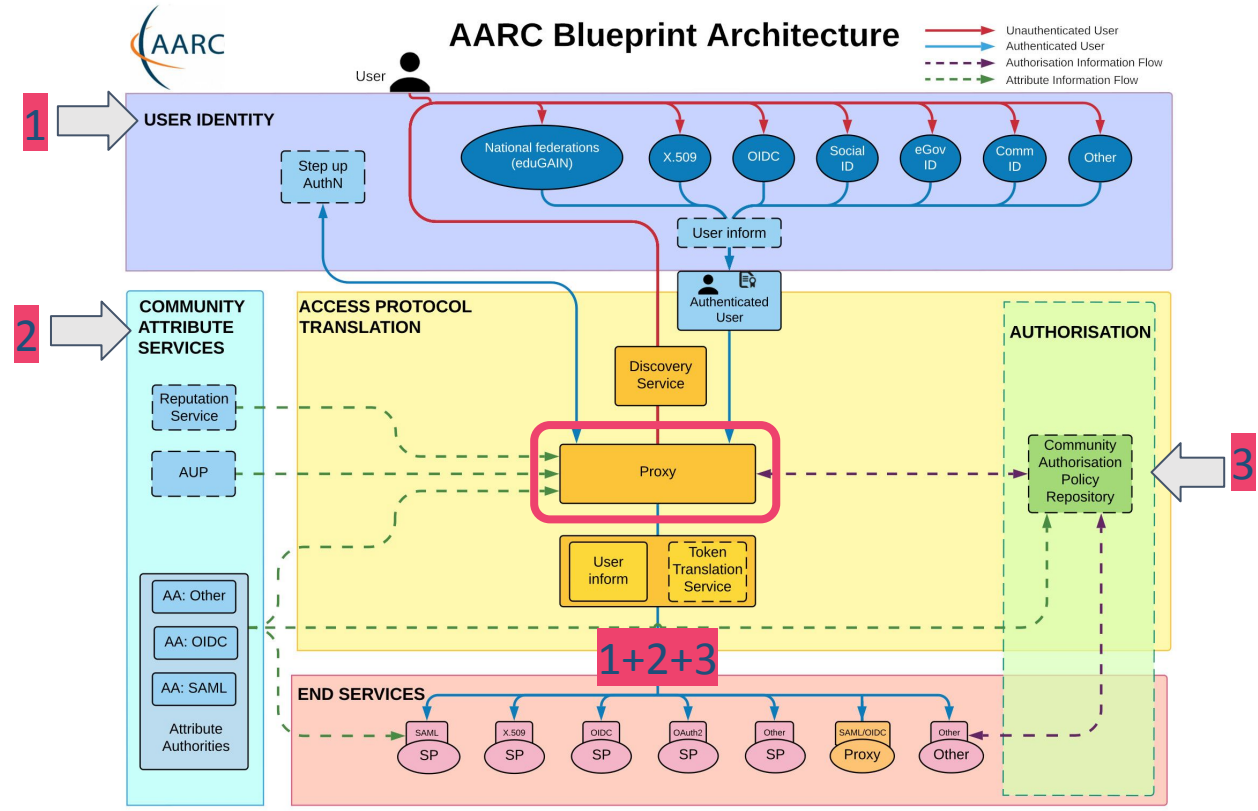


## Webwallet for research - Agenda

- Research AAI ecosystem
- Why a browser based wallet?
- Incubator activities so far
  - Use case in details & MVP
  - Demo
  - Connecting Verifiers and Issuers



# Research AAI ecosystem





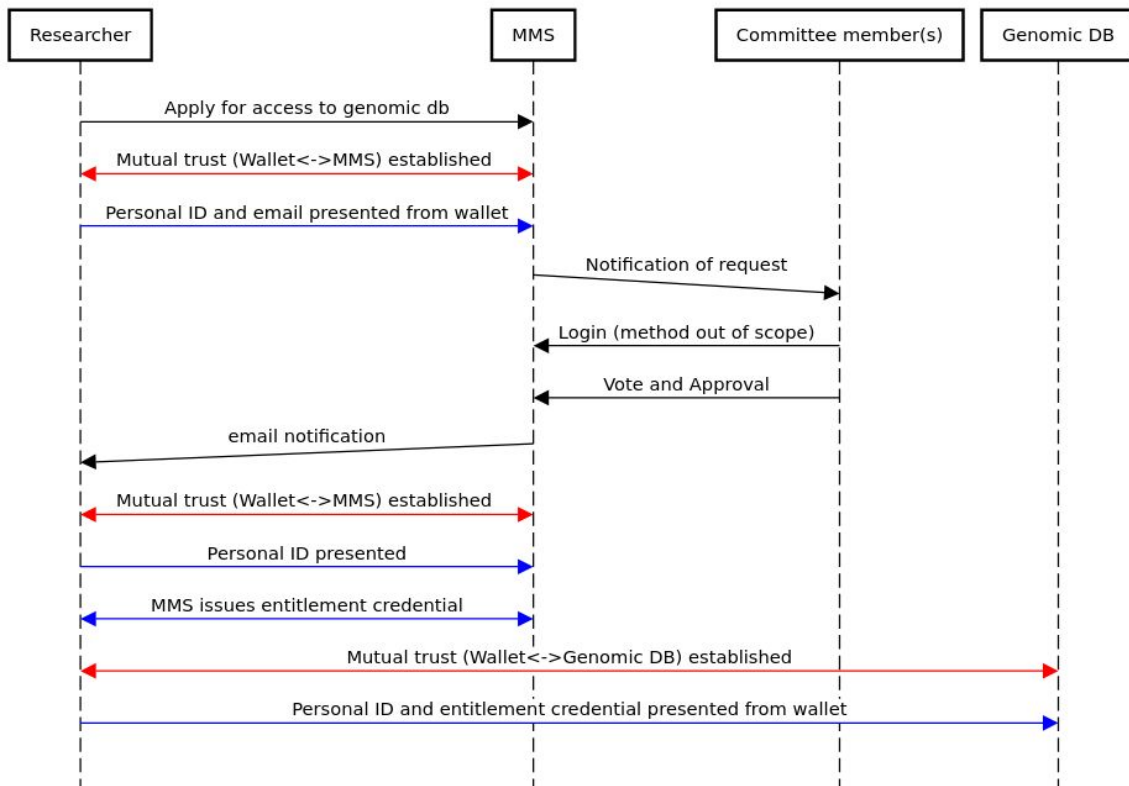
## Why a Browser based wallet

- Keep credentials 'close' to where they are needed
- Interoperable with mobile wallet ecosystem
- Much easier to deploy and maintain as compared to mobile wallets
- MFA
- Solution to (long term) storage of combined sets of user credentials: Research AAI, eduID



## Use case & MVP

### Trusted, wallet-based access to genomic db



Black: business-specific steps

Blue: OID4VCI/VP

(red OIDC Fed trust (see next topic))



# Demo

wwwallet-demo.mkv - mpv

wwallet

wwwallet.maes1.incubator.geant.org/cb?code=VapmK76YUy0TZ9dhE2fH8Jgkad1TA-V35wLGTQW8XZnf7dfniRDY4cPZb6Z\_\_4L1F3J...

## wwWallet

- Martin
- Credentials
- History
- Add Credentials
- Send Credentials
- Logout

### Credentials

View all of your credentials, and use the 'Add new credentials' card to add more

- Verifiable ID**  
A National Verifiable ID which can be used for authentication purposes
- University Degree Credential**  
A European Diploma issued by the University of Athens
- EUROPEAN HEALTH INSURANCE CARD**
- Verifiable Credential**  
Add New Credential

Powered by wwWallet



## Connecting Verifiers and Issuers

- SaToSa
- SpruceID

## SpruceID

- <https://github.com/spruceid/oidc4vci-issuer> is an issuer written in RUST
- Features
  - Nice, clean code
  - Proof-of-concept readiness (issues 1 hard-coded certificate)
  - Documentation was very initial
- We wanted to make it work for our testbed
- Our contribution: better installation documentation (merged)
  - Future plans: further documentation pull requests
    - Implement certificate load instead of hard-coded cert
    - testing





# Thank You

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