



# Fédération Education-Recherche, update

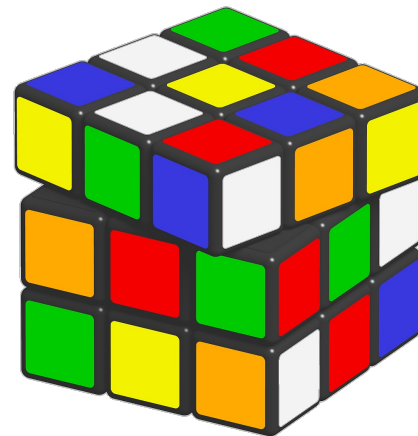
47th REFEDS Meeting, Stockholm, 2023

Anass CHABLI , RENATER

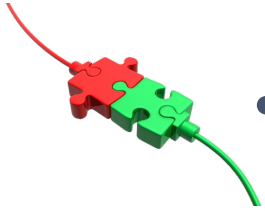
# Paradigm shift

- RENATER is operating a “Federation Service” for the French Community
- Around 23 Federations
  - Public : 4 (test Federation, qualification, Fédération Education-Recherche, eduGAIN)
  - Private : 19
  - Why ?????

we love



# WHY ?????



- Interoperability: some institutions were operating their own Federation



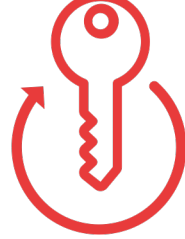
- Illegitimate Federated Services



- Security



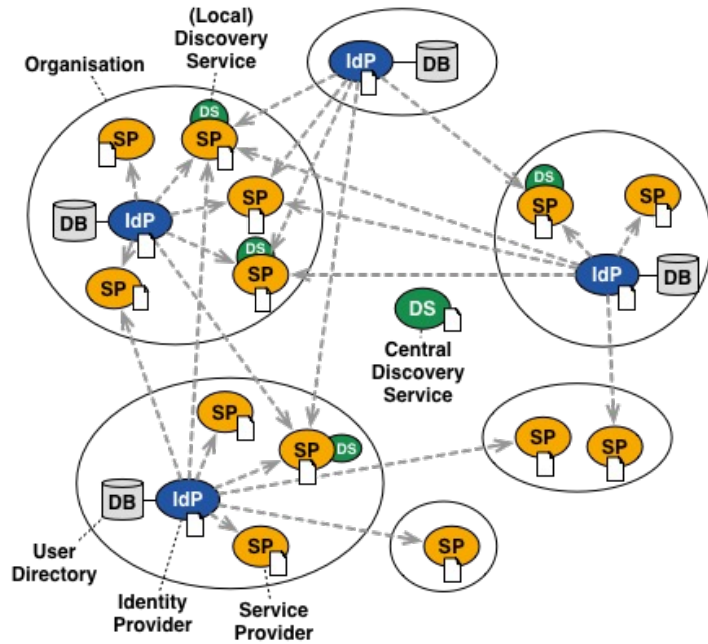
- Cleaning (almost 15 years of existence)



## Full Mesh Federation

~80% of all NREN Federations (June 2013)

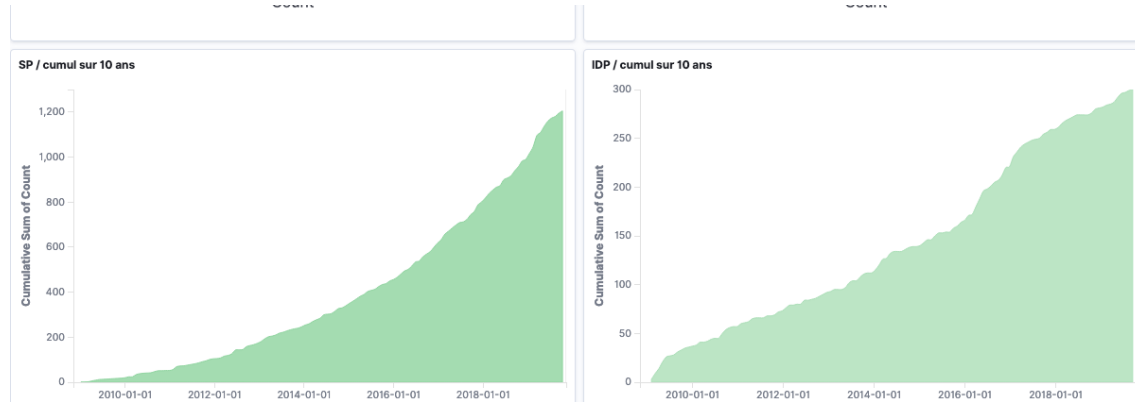
E.g InCommon, UKAMF, SWITCHaaI, SWAMID, HAKA, AAF



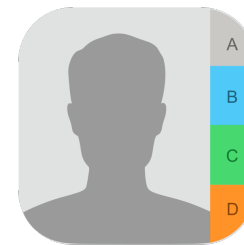
- SAML Assertion Flow
- Connection to User Directory
- SAML Metadata including all SPs and IdPs

**1240 SPs**

**356 IdPs**



**~3000 contacts**



# Priorities since 2019

Move everything to Digital wallet



# Priorities since 2019

- Improving trust in the Education-Research Federation

# Priorities since 2019

- **Communication & support**

- Compliance

- Documentation

- Training

- Technical Framework

- Security, Data, Interoperability

- Redesign our online documentation

- 2 sessions / year

- Continuous update

- **Technical solutions**

- Redesign our federation registry

- Monitor the Federation

- Controls, new features, user experience ..

- Checks on entities, proactive support

- **Statistics**

- Collect and publish statistics

# Priorities since 2019

- Federation registry :
  - VERSION 3.0.0 → February 2021 (Web interface)
  - VERSION 3.1.0 → Septembre 2021 (Web interface & Opening the code)
  - VERSION 3.2.0 → April 2022 (Web interface & MDQ)
  - VERSION 3.3.0 → May 2023 (Web interface & SIRTFI v2 et CoCo v2)
  - VERSION 3.4.0 → Octobre 2023 (Change of processes to access federations)
- Monitoring :
  - Federated access to a monitoring tool :
    - Proactive support , automated tickets (500 since 2022)
    - Around 200 SPs kicked out from the federation



# Next steps

- Continue raining trust
- New strategy to be defined– multiple working groups with the community : started in August 2023 → results in January 2024

# Links

- Federation registry sepecification :  
<https://services.renater.fr/federation/en/outils/guichet-federation/v3/index>
- Monitoring the Federation :  
<https://services.renater.fr/federation/outils/sup-metier/index>
- Contact : [anass.chabli@renater.fr](mailto:anass.chabli@renater.fr)