Introduction to Wallets
Trust and Identity Infoshare for NRENs

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Tasklead GN5-1/WP5/T7

GN5-1

Overview

- Our T&I genes – and what came out of them
- The bigger picture – and new expectations
- Enter "Wallets" – so what?
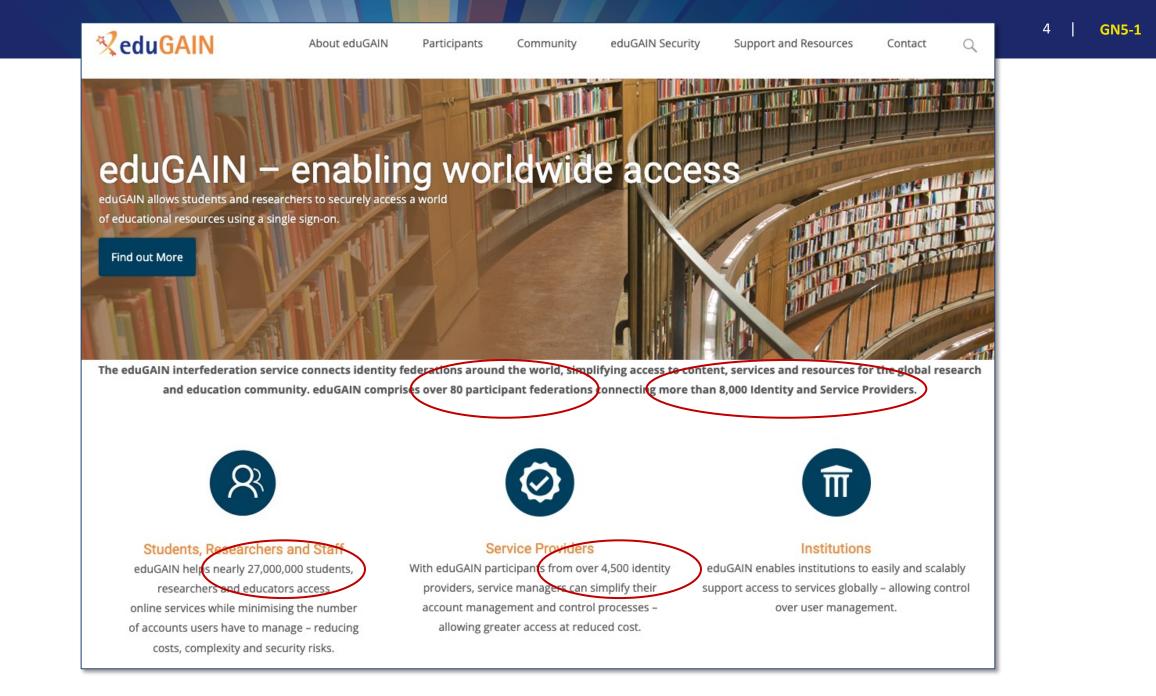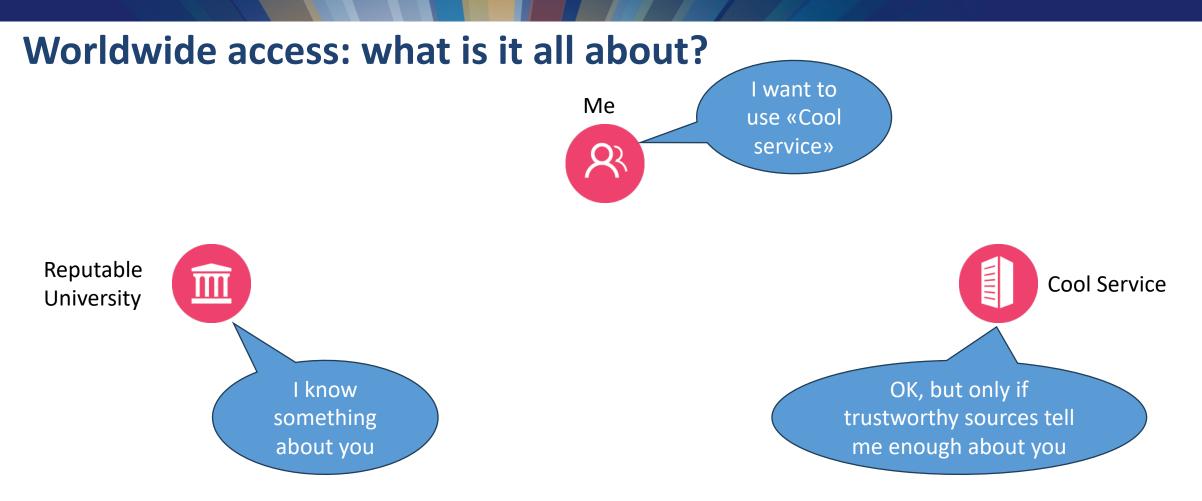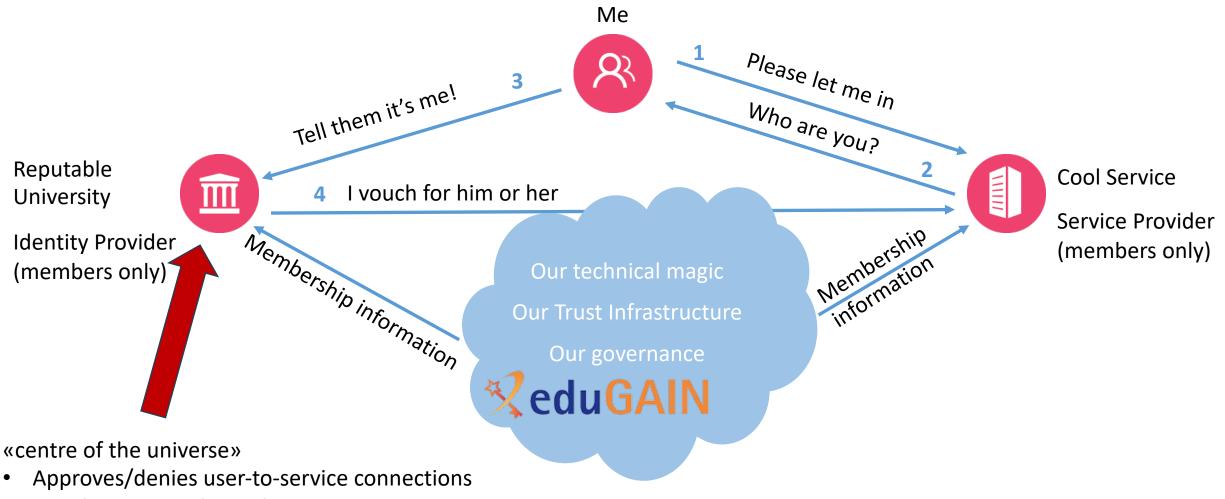- Next steps – either with, or without us

Worldwide access: what is it all about?

Our well-established workhorse eduGAIN is solving this problem

Me

1 Please let me in

Who are you?

3 Tell them it's me!

Reputable University

Identity Provider (members only)

2

4 I vouch for him or her

Cool Service

Service Provider (members only)

Membership information

Our technical magic

Our Trust Infrastructure

Our governance

eduGAIN

Membership information

«centre of the universe»
- Approves/denies user-to-service connections
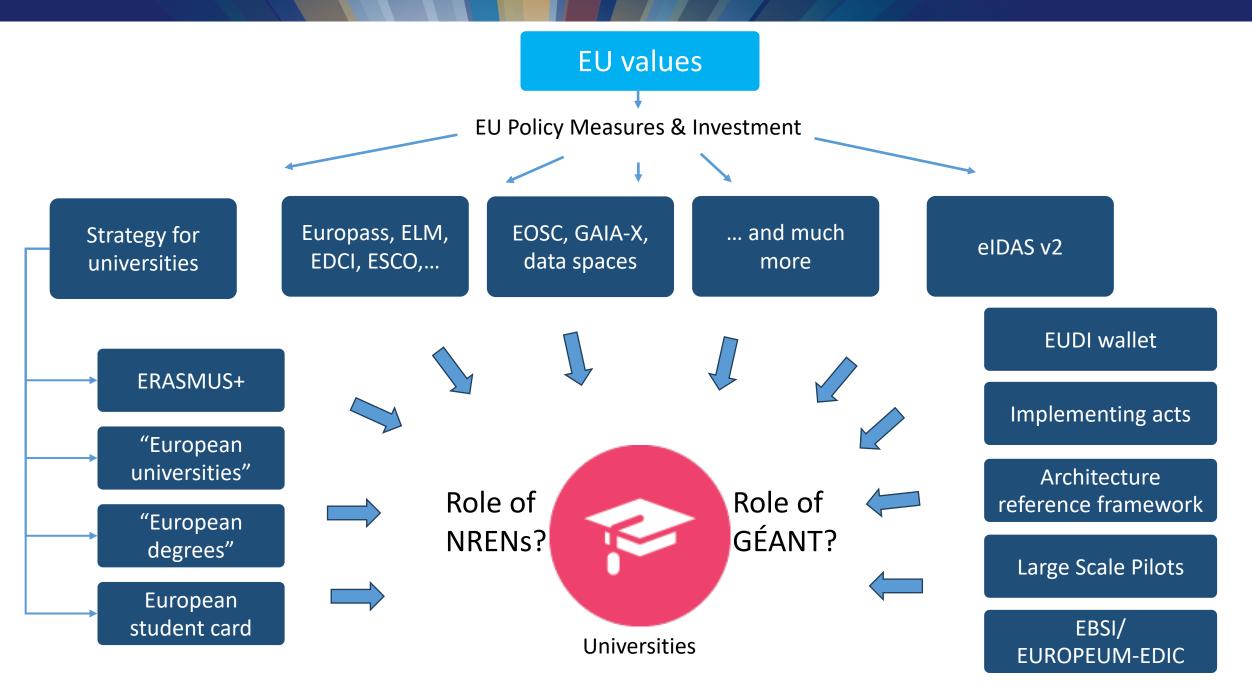- Decides on user data release to services

"Excellent and inclusive universities are a condition and foundation for open, democratic, fair and sustainable societies as well as sustained growth, entrepreneurship and employment."
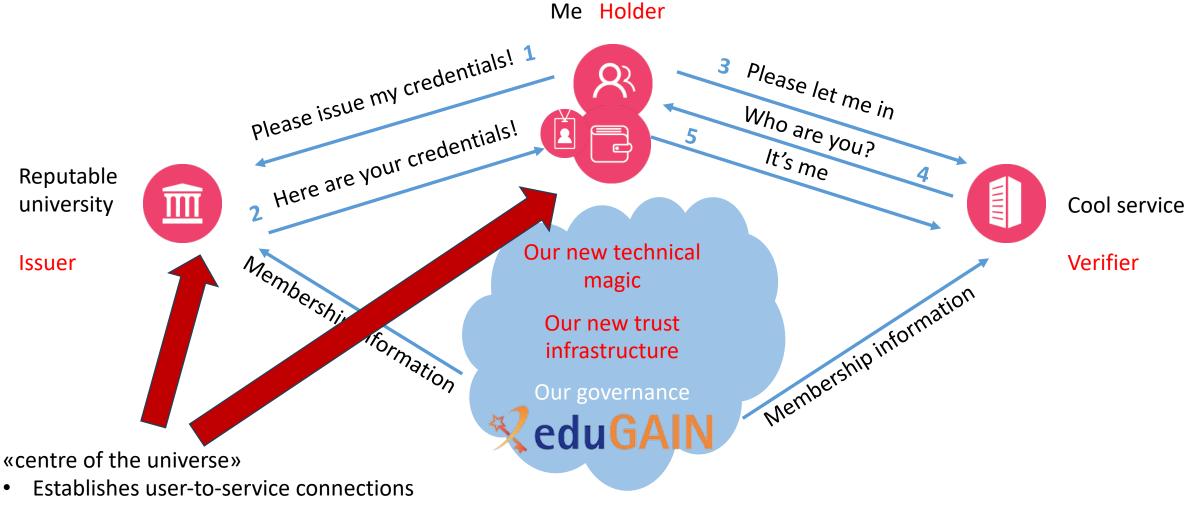
EU Strategy for Universities:

https://education.ec.europa.eu/sites/default/files/2022-01/communication-european-strategy-for-universities.pdf

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EU values

EU Policy Measures & Investment

Strategy for universities

Europass, ELM, EDCI, ESCO,…

EOSC, GAIA-X, data spaces

… and much more

eIDAS v2

ERASMUS+

"European universities"

"European degrees"

European student card

Role of NRENs?

Role of GÉANT?

Universities

EUDI wallet

Implementing acts

Architecture reference framework

Large Scale Pilots

EBSI/ EUROPEUM-EDIC

Going wallets: how does the picture change? And the terminology?

Me   Holder

Reputable university

Issuer

Please issue my credentials! 1

Here are your credentials! 2

3 Please let me in

Who are you?

5   It's me

4

Cool service

Verifier

Membership information

Our new technical magic

Our new trust infrastructure

Our governance

eduGAIN

Membership information

«centre of the universe»
- Establishes user-to-service connections
- Decides on user data released to service

Scale-out with wallets: how does the picture change?

Me   Holder

Reputable
university

Issuer

Shared technical
magic

Cool service

Verifier

Governance
framework

Our sector
governance

Other
sector's
governance

gove

Opportunities and Risks

EU seed money only lasts as wallets are still novel enough

Money available NOW

Benefit of being part of a larger ecosystem

Cross sector use cases

Synergies by using cross-sectorial solutions

We're no longer alone

GAFAM

The role, power and unpredictability of the GAFAMs - changes in the ecosystem we don't control affects us faster then we can react

Ivory tower

We isolate ourselves from the transformative changes happening because we believe we are not affected

Global community

How do EU policies scale beyond EU borders

Usability and compliance

New solutions need to meet user expectations to pass the adoption Chasm

User-centrism challenges: organisation to service relationship, protection offered by IdPs, organisational control, data leaks

Community activities

Monitoring

Keep up with developments: update risk assessment, identify and assess relevant activities

→ GN5-2

Interoperability

Contribution to the standards, collaboration with global R&E

→ OID (Davide will talk), IETF etc.
→ GN5-2
→ AARC tree

Leverage existing federation infrastructure

Evolution and revolution – the right mix of it: bridging the worlds

→ MyAcademicID for education credentials (Christos will talk)
→ OID Federation for eduGAIN (Davide will talk)

Builds and trials for new technologies

"Get your hands dirty": Engage in activities relevant to our stakeholders

→ DC4EU (Stefan will talk)
→ GN5-2 (T&I Incubator)

Dissemination and consensus building

Periodic infoshares or SIG, community consultations:

→ GN5-2
→ AEGIS / AARC Tree
→ EOSC-A taskforces

NREN activities

NRENs can have different roles in national activities depending on the mandate given

NRENs should plan effort for:

- Treat their federation as critical infrastructure, incl. supporting OpenID adoption

- Contribute to monitoring, dissemination and consensus building in their national context

- Liaise with GÉANT GN5-2 to carry the discussion to the GÉANT community level

Thank You

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Co-funded by
the European Union