eduGAIN's Future is now

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Agenda

- eduGAIN's Overview

- Current model Challenges

- Community Recommendations

- What is going to change

- Some conclusions

Drive the Bus!

Leadership and Advisory Groups

Leadership opportunities for community members who contribute their insights, expertise, and talents within Identity & Access Management

Taking nominations now through October 1!

InCommon Steering Committee

InCommon Technical Advisory Committee (TAC)

InCommon Community Trust and Assurance Board (CTAB)

Community Architecture Committee for Trust and Identity (CACTI)

eduroam-US Advisory Committee

Please visit the Advisory Committee poster in TechEX foyer for more information and submit a nomination.
Otherwise, you may click this link to submit a nomination.

# T&I Service Portfolio
The big picture

eduTEAMS

Supporting virtual teams and sharing resources

InAcademia — ONLINE STUDENT VALIDATION

Offering a validation service based on "studentness"

Widening scope with OpenRoaming

eduGAIN

eduroam

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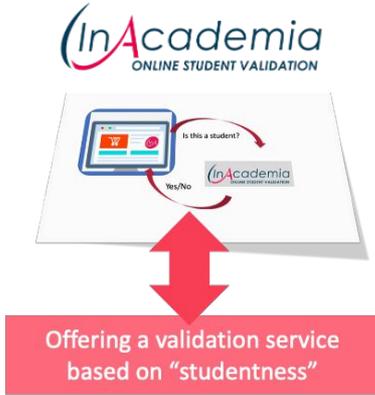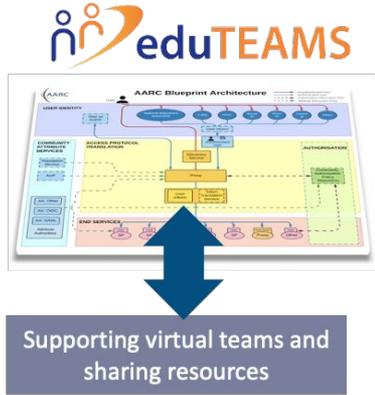
*"eduGAIN **interfederation service** connects identity federations around the world, simplifying **access** to content, services and resources for the **global** research and education community"*

5

Inter-federated Access
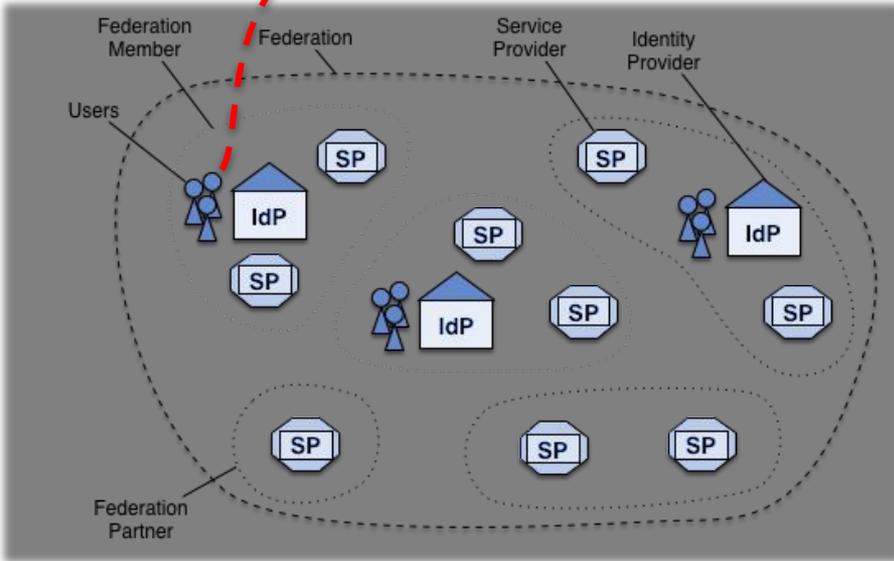
*Federation Blue*
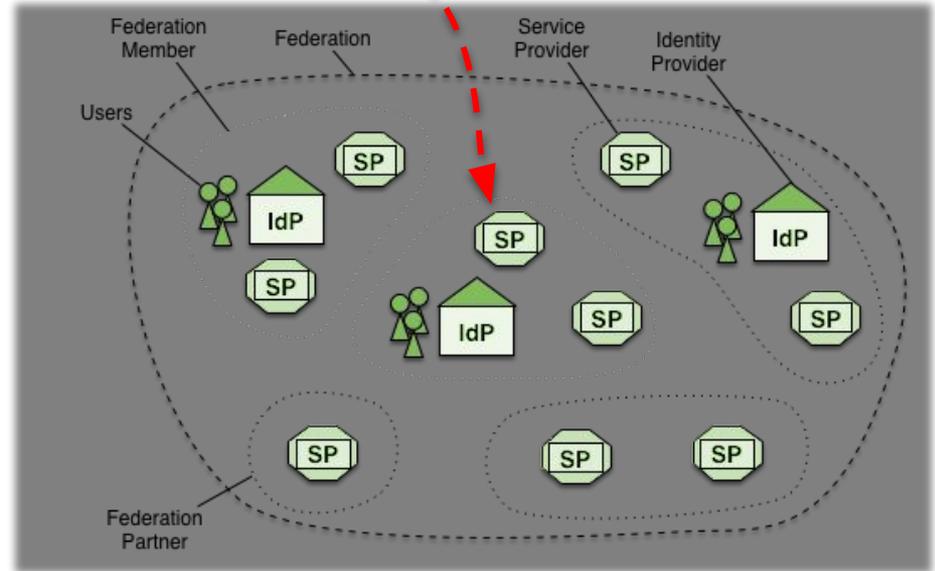
Federation Green

A complex ecosystem
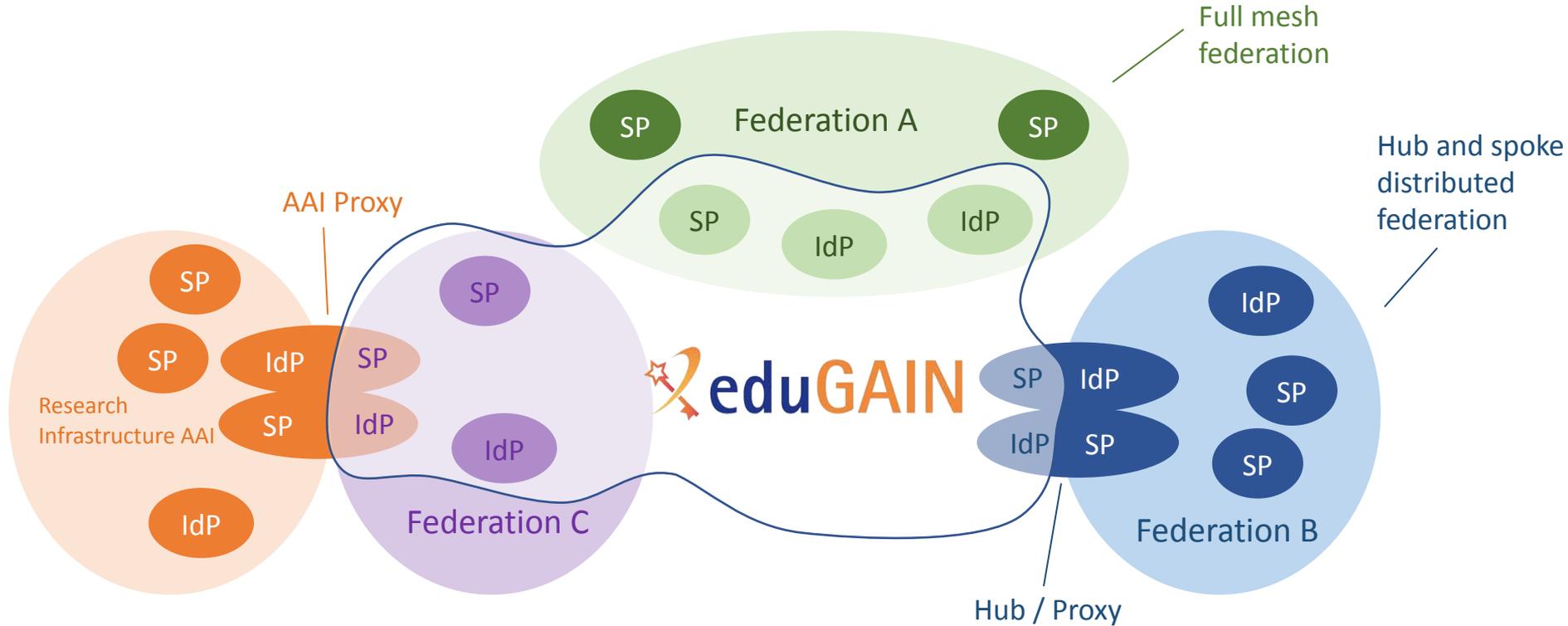
The eduGAIN contributors & stakeholders

Does it work?

global

compliance

entities

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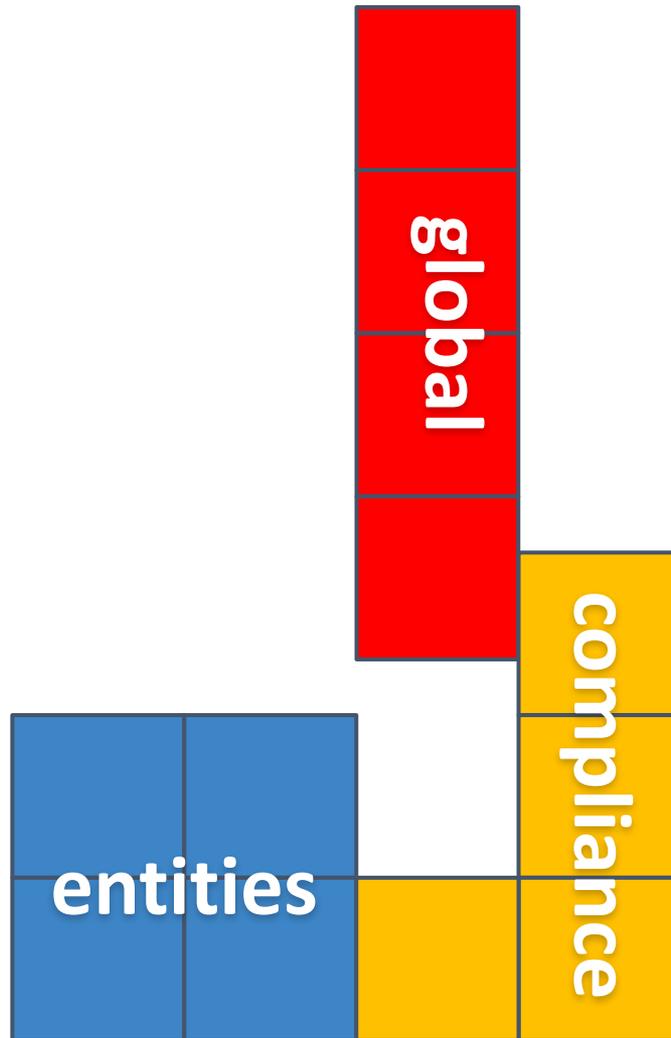
eduGAIN Global Coverage

78 Federations

8968 Entities

5369 Identity Providers

3618 Service Providers

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eduGAIN's entities appearance in multiple Federations
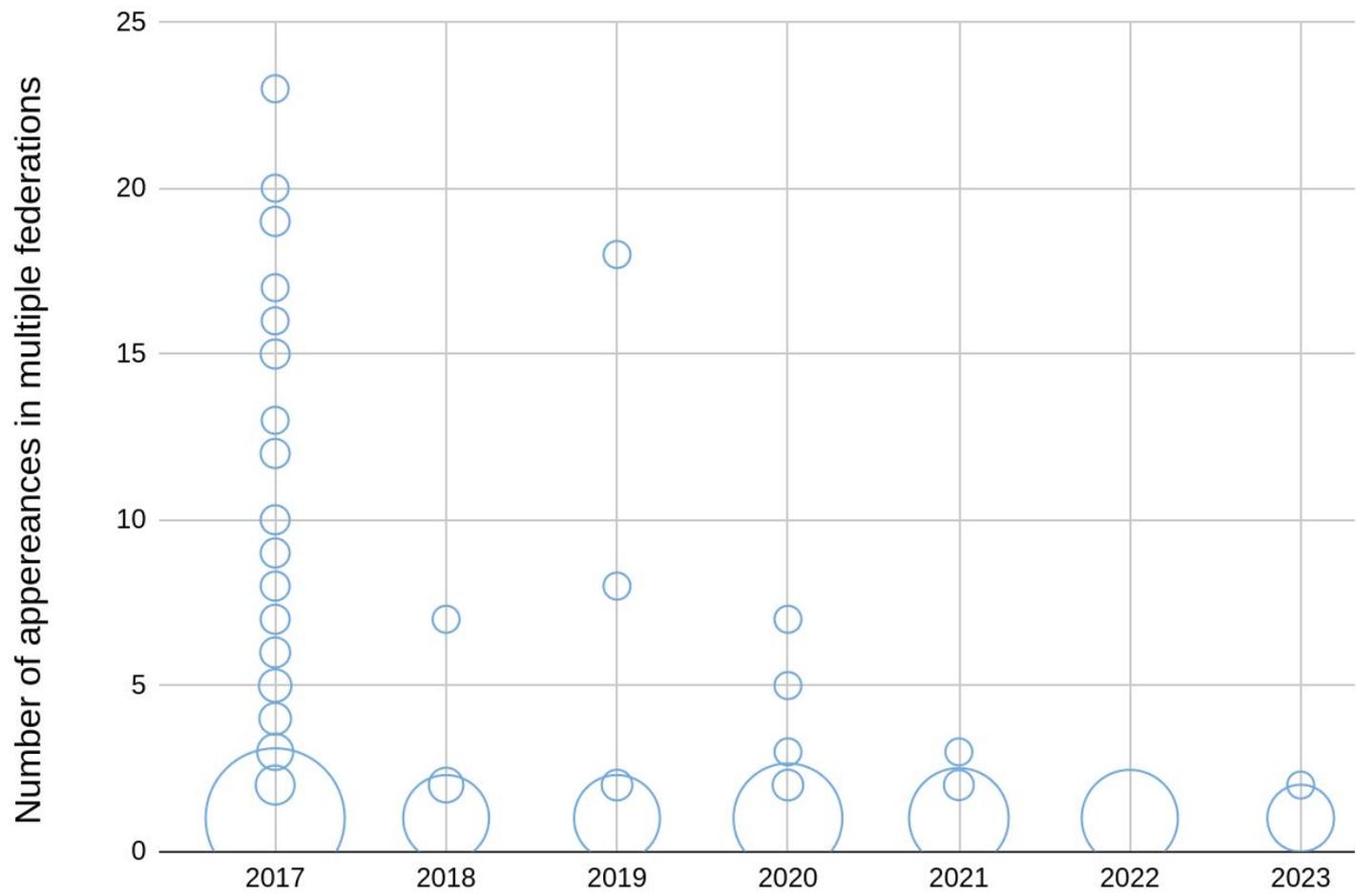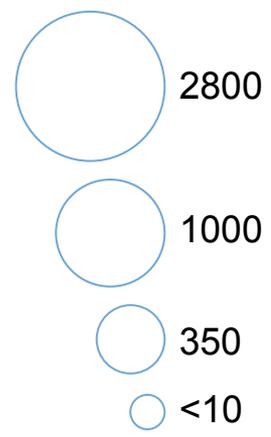
Entities' Compliance to Standards
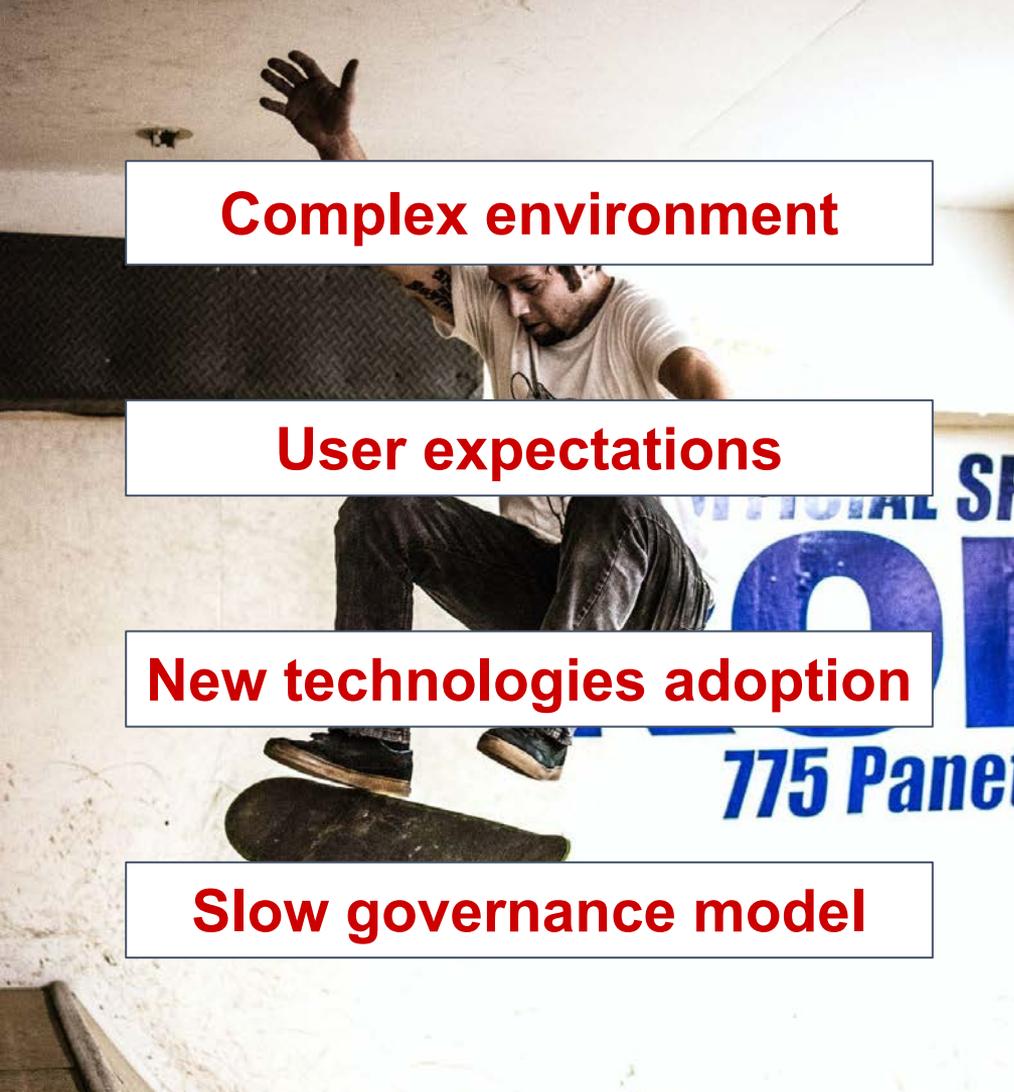
Complex environment

User expectations

New technologies adoption

Slow governance model

What could Possibly go wrong?

eduGAIN Futures Working Group

REFEDS — Baseline Expectations

Identify key issues with current eduGAIN service

Review the governance model

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eduGAIN Futures WG Problem Statements

01 **Complex service experience**
- Almost 9000 entities
- Service experience varies wildly

02 **Unpredictability**
- Information exchanged between IdP A and SP B?
- Hard to rely on eduGAIN without predictable outcome

03 **Diverse policies and processes**
- Federations have their own policies and processes
- Interaction with eduGAIN/participants is often inconsistent

04 **Variable service offerings**
- Differences in funding, stuffing and service level
- Service offerings varying accordingly

05 **Slow response to change**
- Entities and Federation Operators are often slow to adopt changes to security standards and policy requirements

06 **Delays in decision making and new Technologies**
- EduGAIN itself is slow in taking decisions and embracing new technologies

07 **Unclear mission and branding strategy**
- Mission, role and brand of eduGAIN are unclear, leading to different expectations

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eduGAIN Futures WG Recommendations

REFEDS
- enforce contacts
- eduGAIN CSIRT
- interop SAML Profile
- filter individual entities
- Sirtfi, Privacy Reqs, Assurance

Service
- attributes release profiles
- consistent metadata publishing
- eduGAIN strategy and mission
- clear compliance checking
- new technologies roadmap

Governance
- elected Steering Committee
- Federations information audit
- improve joining process

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Actual changes

Governance	Policy	Technology

- **Constitution update**
- **eduGAIN Steering Committee**
- eSC Election
- eSC Chair appointment

- **eduGAIN Interoperable SAML Profile**
- New requirements for Federations and Entities
- eduGAIN Declaration and MRPS updates

- **Support entity-level metadata updates (filtering)**
- New compliance checking system
- Activate community Pilots/Labs on new technology stacks
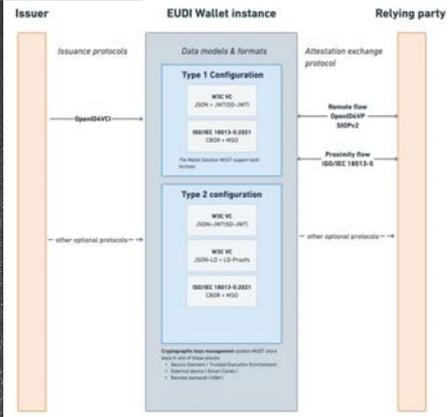
Additional technology stacks and profiles for eduGAIN?
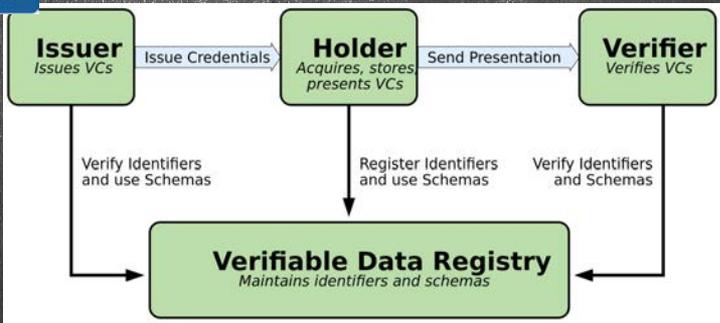
# eduGAIN Metadata Creation and Distribution

Federation Downstream Metadata

Federation Upstream Metadata

Entity

Metadata Consumer

Service

Federation

Metadata Distribution System

Validation, Aggregation, Signing

Metadata getter

eduGAIN

Metadata getter

Validation, Aggregation, Signing

Metadata Distribution System

eduGAIN Metadata
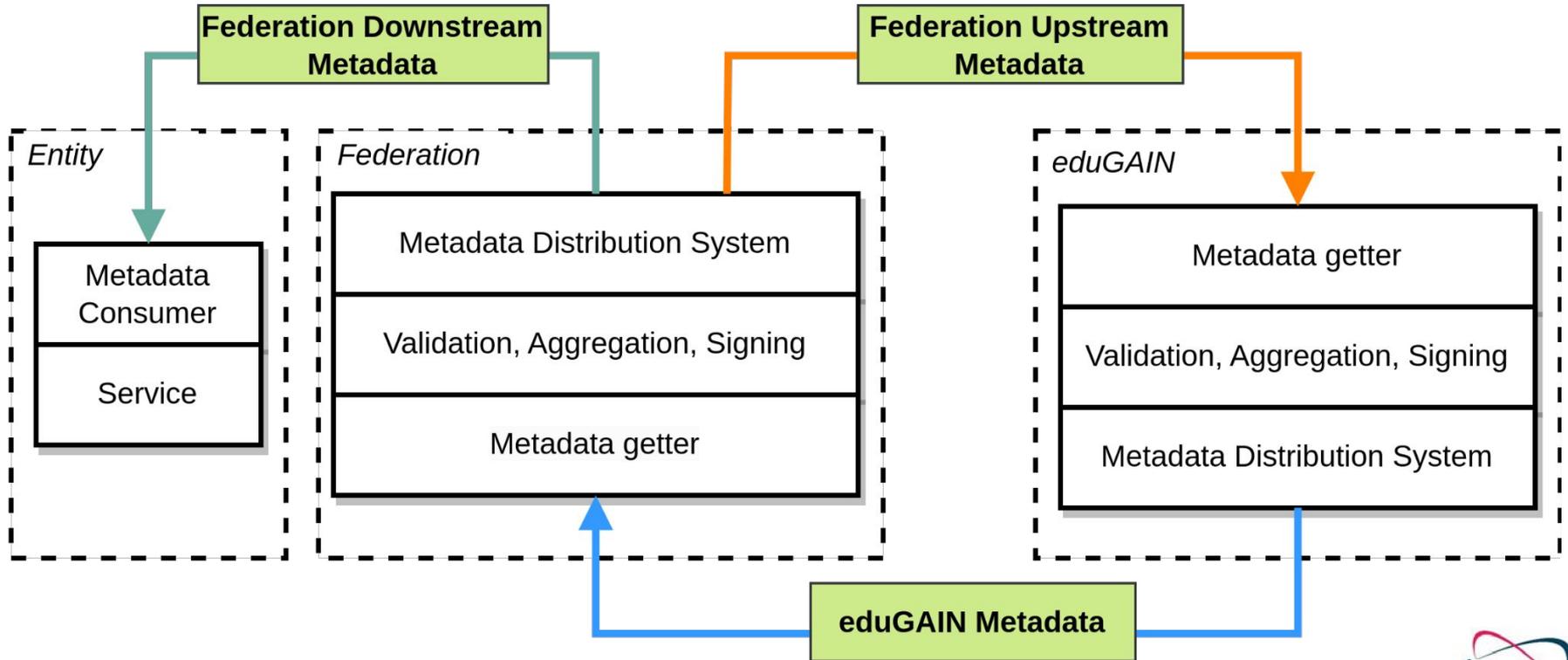
eduGAIN Trust model
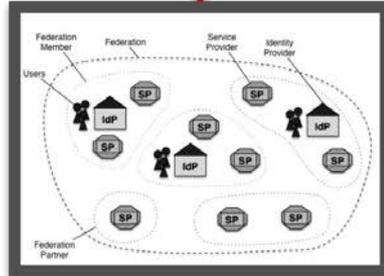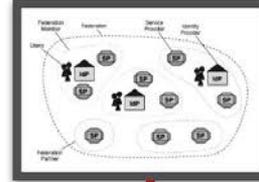
Users trust Home Organisation

HomeOrg/Providers trust Federations

Federations trust eduGAIN

Do users trust eduGAIN?

Do users even know eduGAIN?

Trust Flows
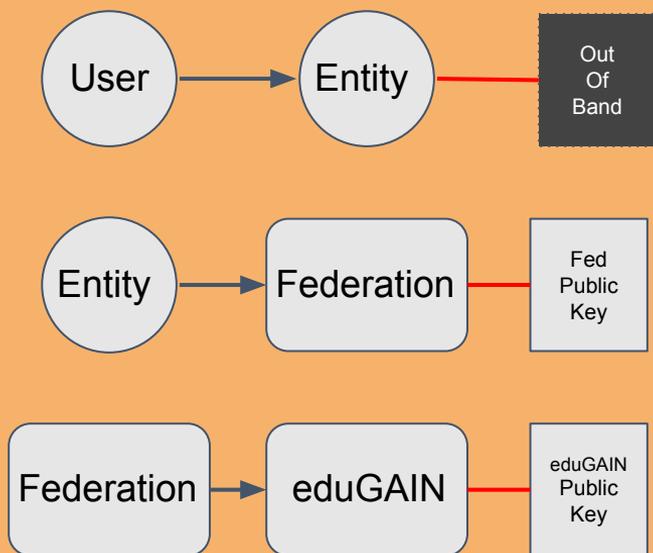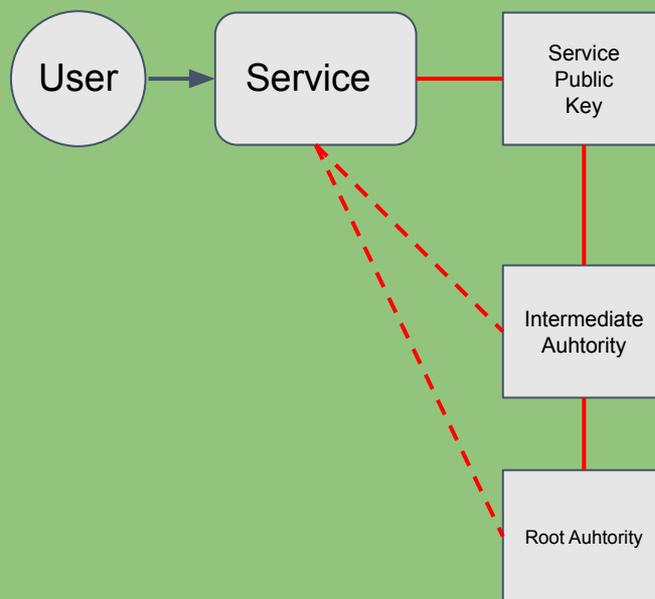
An eduGAIN OIDC Federation Trust Flow
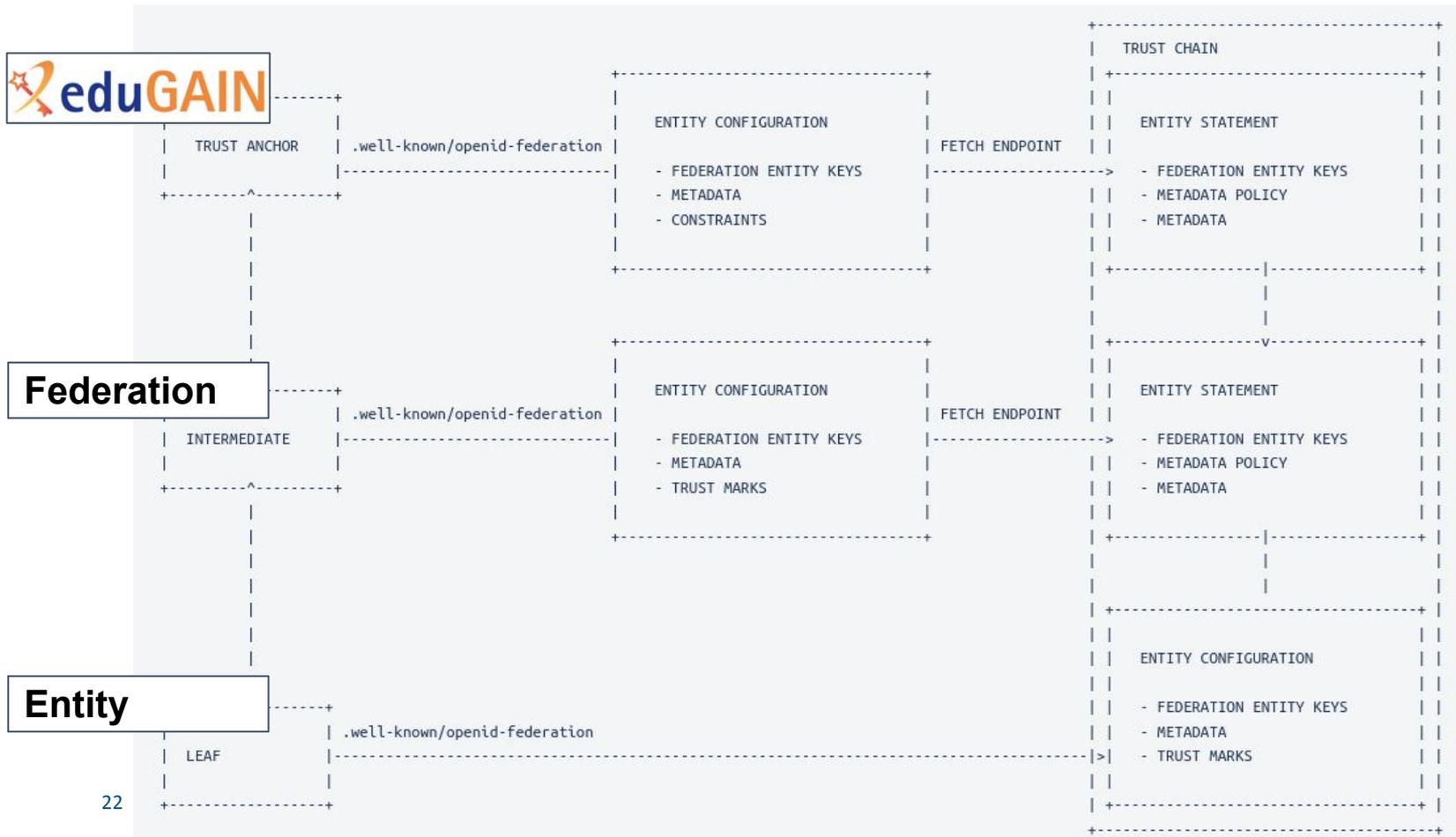
Conclusions

eduGAIN is a great success

Main challenges
High complexity/Low consistency/Slow governance/Legacy Technology

Change process
Futures WG Recommendation on Governance/Service/Tech

Adoption of new technologies involves new trust model

Thank you

Any questions?

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