Current status and sustainability plans of Authentication and Authorisation Infrastructure

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AAI as seen from "Realising the European Open Science Cloud "

"Build on existing capacity and expertise where possible".

"The major technical challenge is the complexity of the data and analytics procedures across disciplines rather than the size of the data per se."

"Generic protocols … ICT standards of e-infrastructure communities…."

"Combine single sign-on issues with the connection of social and professional people oriented web applications resulting in a federated identity and credentials for all people in the EOSC "
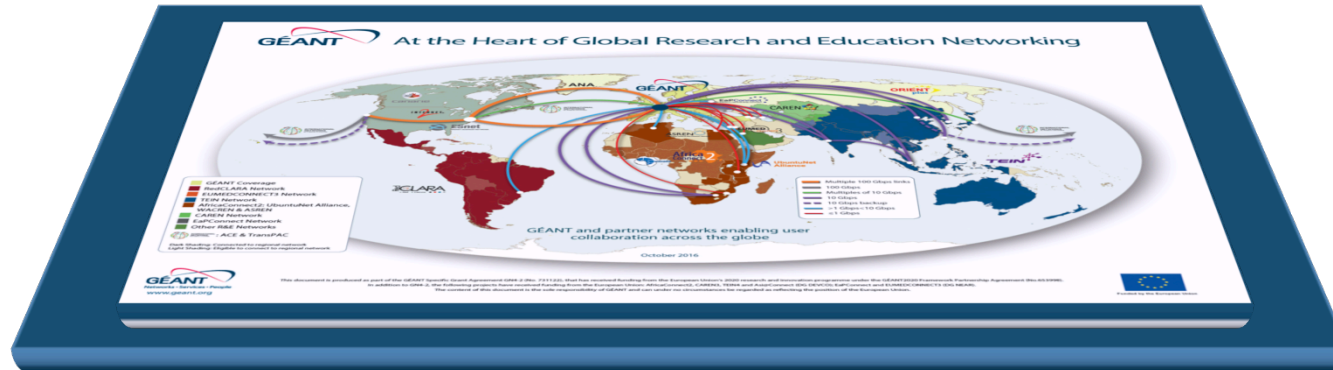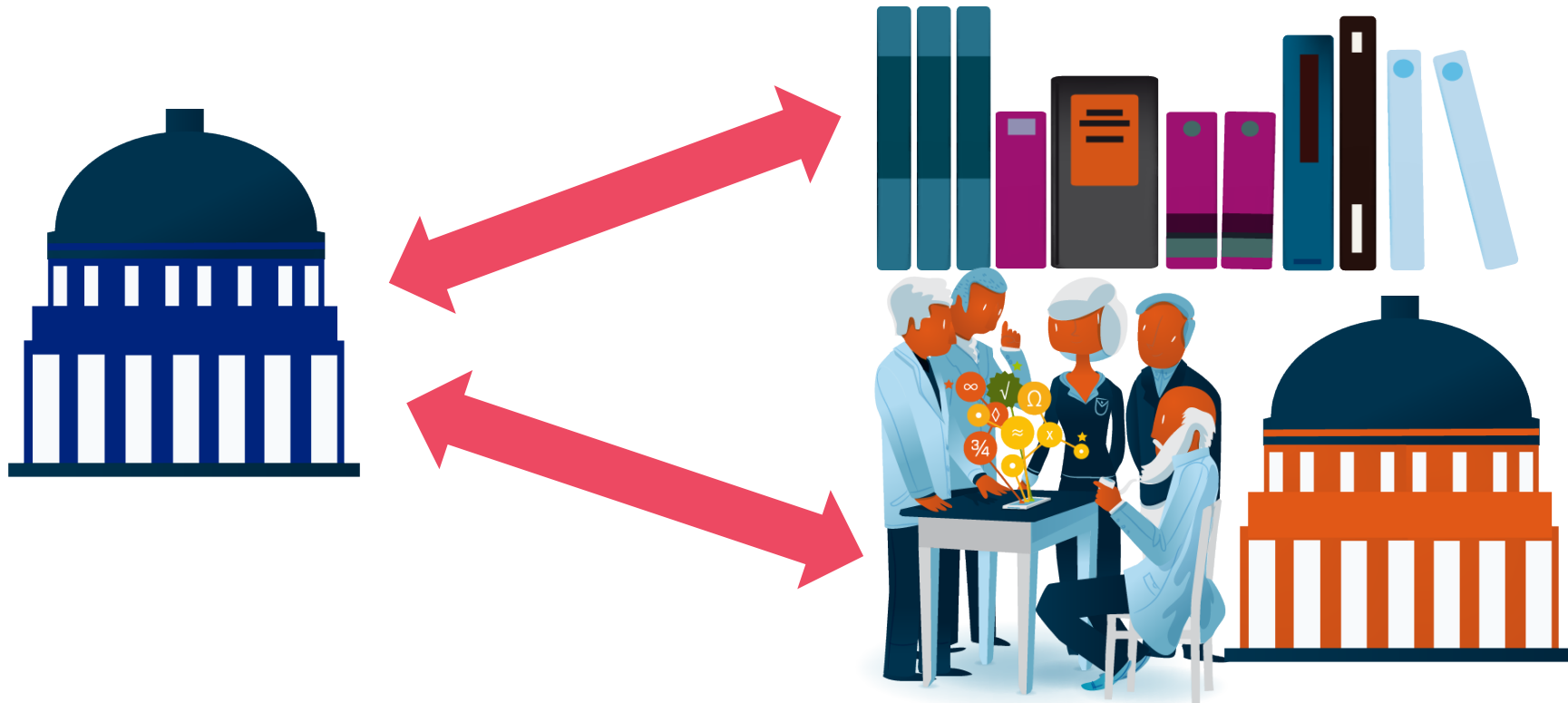
Existing capacity & expertise – eduGAIN depends on federations

48 Federations
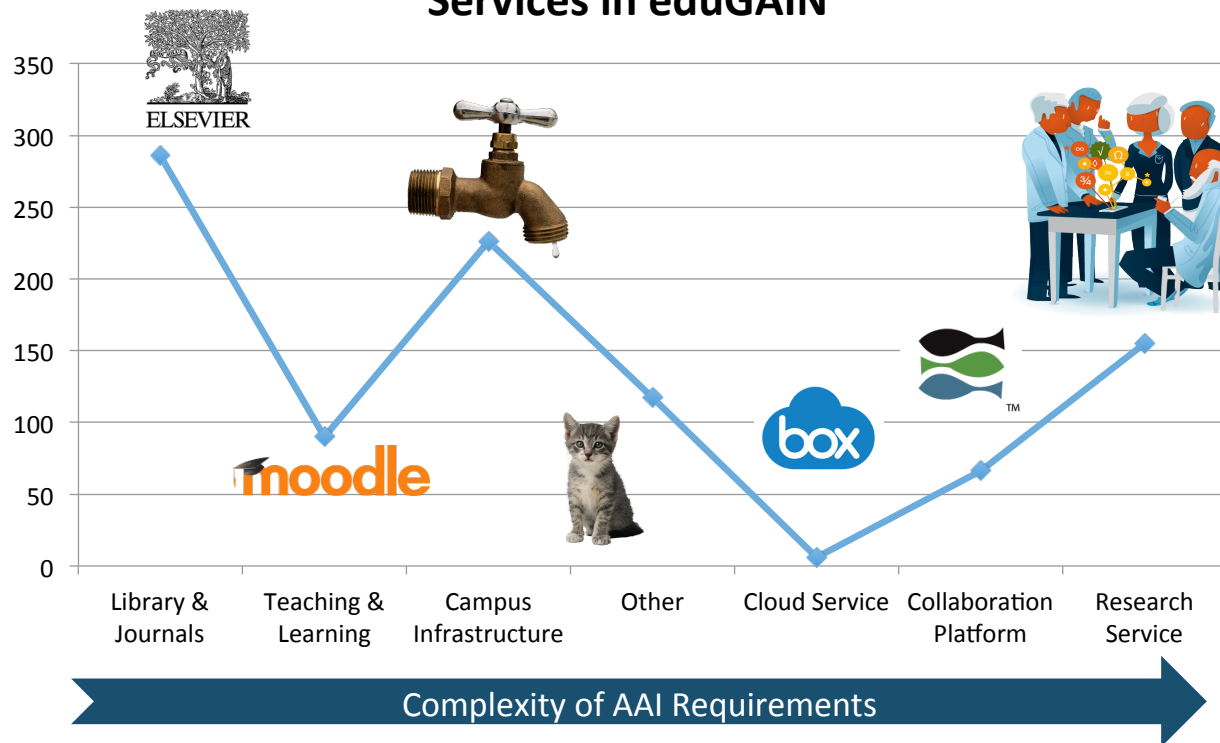1,500+ Services
Almost 2,500 IdPs
>3,000 Institutions

Networks · Services · People   www.geant.org

Existing capacity & expertise – federations depend on campuses

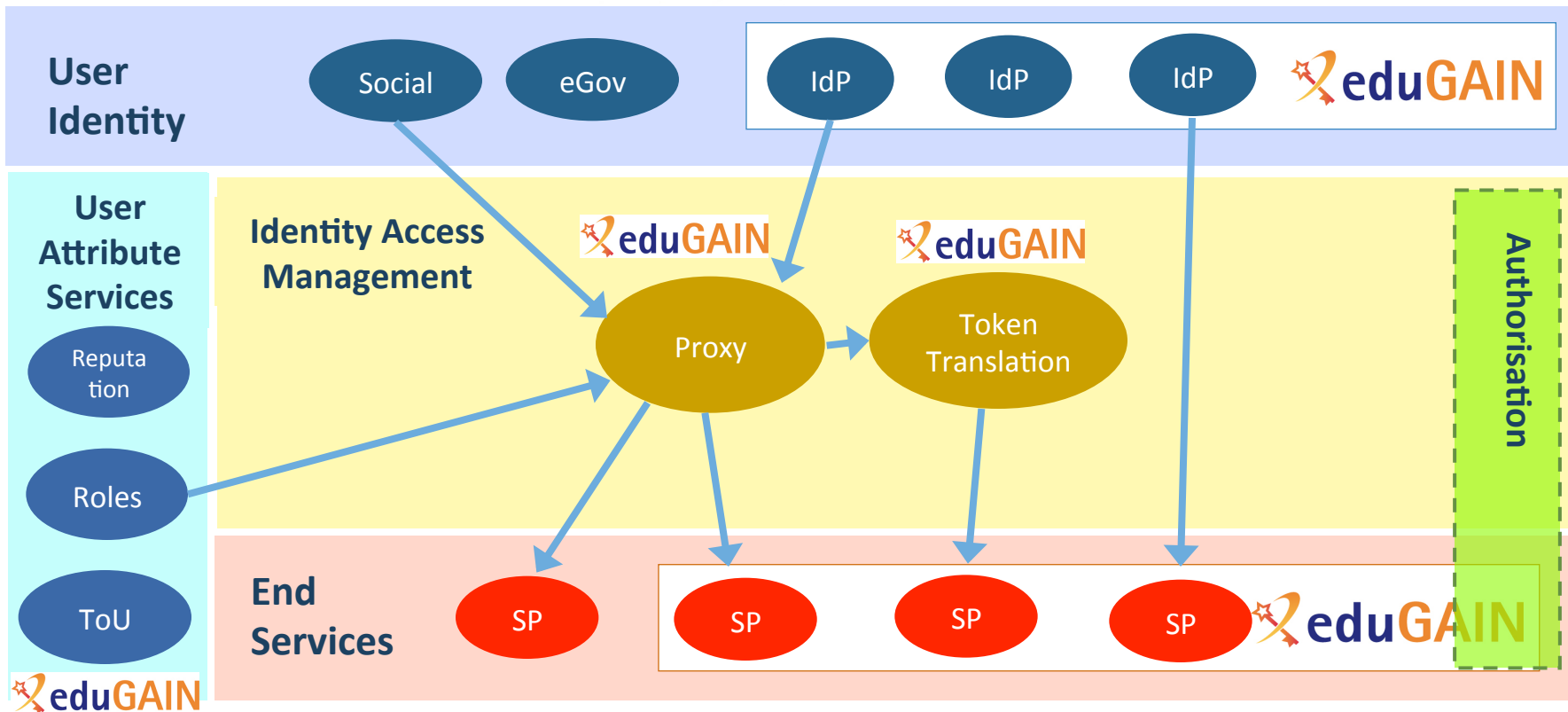*"Build on existing capacity and expertise where possible".*

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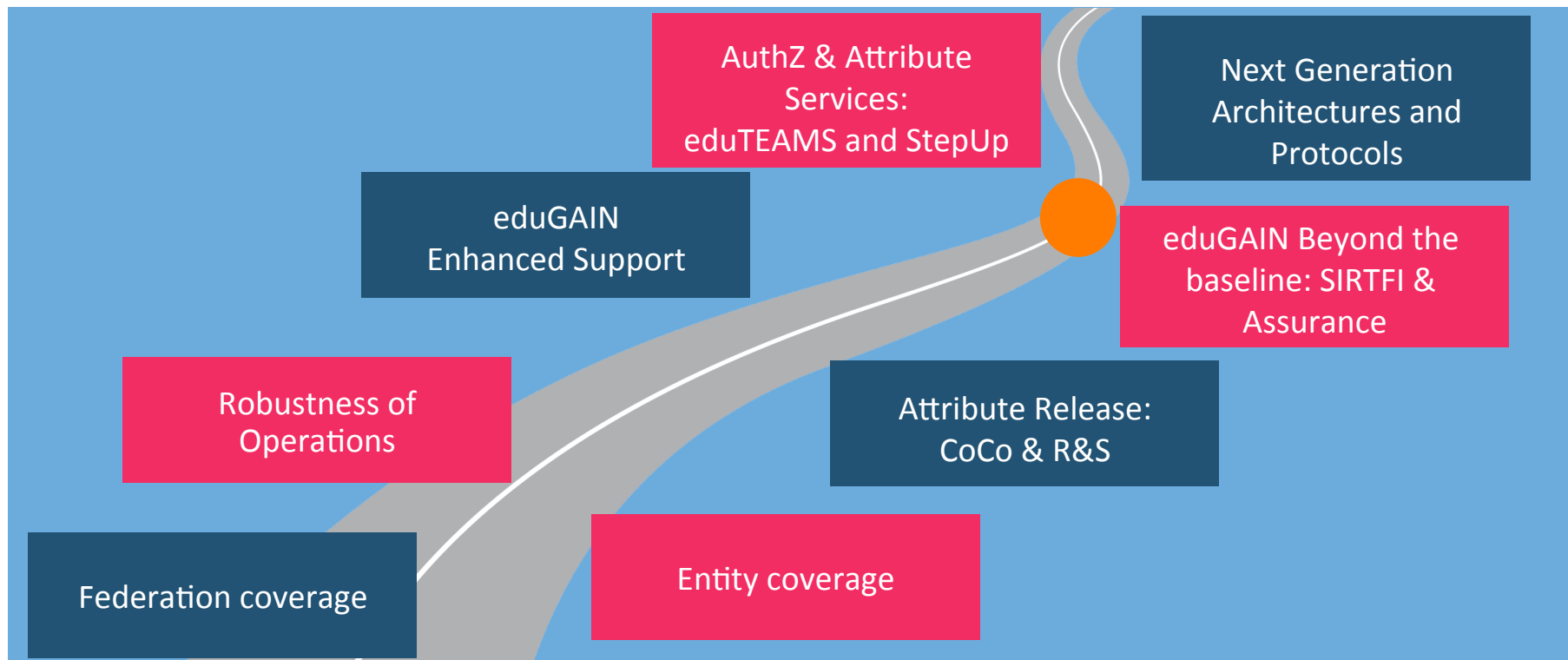

Services in eduGAIN

- Class A) are the simple library/journal/ learning applications

- Class B) consists of the campus 'corporate' infrastructure

- Class C) are the really complex trust applications for collaboration and e-Research

- Science means big collaboration

Complexity of AAI Requirements

Technical Sustainability – AARC Blueprint Architecture for Interoperability of AAIs

https://aarc-project.eu/blueprint-architecture/

GÉANT Evolution & sustainability – addressing complexity fairly

AuthZ & Attribute Services: eduTEAMS and StepUp

Next Generation Architectures and Protocols

eduGAIN Enhanced Support

eduGAIN Beyond the baseline: SIRTFI & Assurance

Robustness of Operations

Attribute Release: CoCo & R&S

Federation coverage

Entity coverage

Thank you

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