eIDAS-enabled Student Mobility (ESMO)

Funded by: CEF (DG-CNECT)
Runs from April 2018 to June 2019
Partners: UNIT (NO), ATOS (ES), University of the Aegean (GR), UJI (ES)
Project in brief

Overall aim:

• Bring the eIDAS authentication closer to the higher education
• Enable academic procedures requiring higher authentication assurance

Benefits, gain:

• Minimise adoption costs for universities
• Abstract trust management and data collection
• Profile-based authorisation in eIDAS

Results: ESMO Gateway

• Developed a multi-purpose and extendable proxy service
• Allows enhancing the eIDAS response with EduGAIN academic attributes
• Allows querying multiple sources and aggregating the responses
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Gateway

Modular design

• Easily extendible
• Deploy just what you need

Micro-service architecture

• Scalable on demand
• High-availability
Networked Deployment

Multiple topologies

- Hub, Mesh, Tree, or combinations
- Two modes: transparent or opaque proxy

During the project

- Deployed as a wrapper over eIDAS
- Design adapted to the needs on the fly
Connections to other projects

**Erasmus Without Papers**

- Connected to the registry
- Published specific ESMO API

**EMREX**

- Similar topology and goal
- ESMO Gateway could be extended act as a national point of contact
- EMREX connected services can use ESMO Gateway as a proxy for authentication
Integration Issues

Availability of data
- Only simple attributes
- Not many specialized sources
- EduGAIN is the main data source connected

Identity matching & Re-authentication
- eIDAS identifiers do not match EduGAIN identifiers
- Re-authentication required (when possible)
- Chance for borrowing attributes from a third person
Thanks for your attention