



# 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)



**EUNIS**

EUROPEAN UNIVERSITY  
INFORMATION SYSTEMS

# Project in brief

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## 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

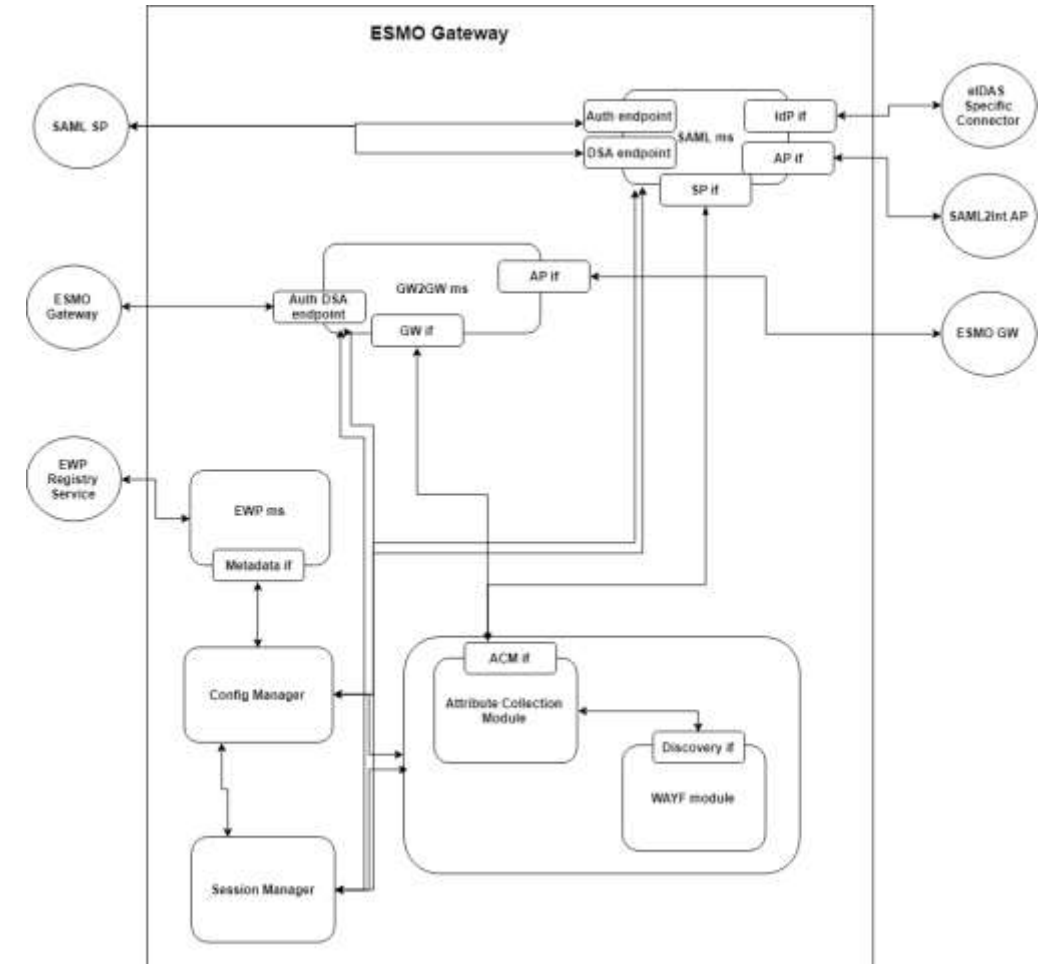


## Modular design

- Easily extendible
- Deploy just what you need

## Micro-service architecture

- Scalable on demand
- High-availability



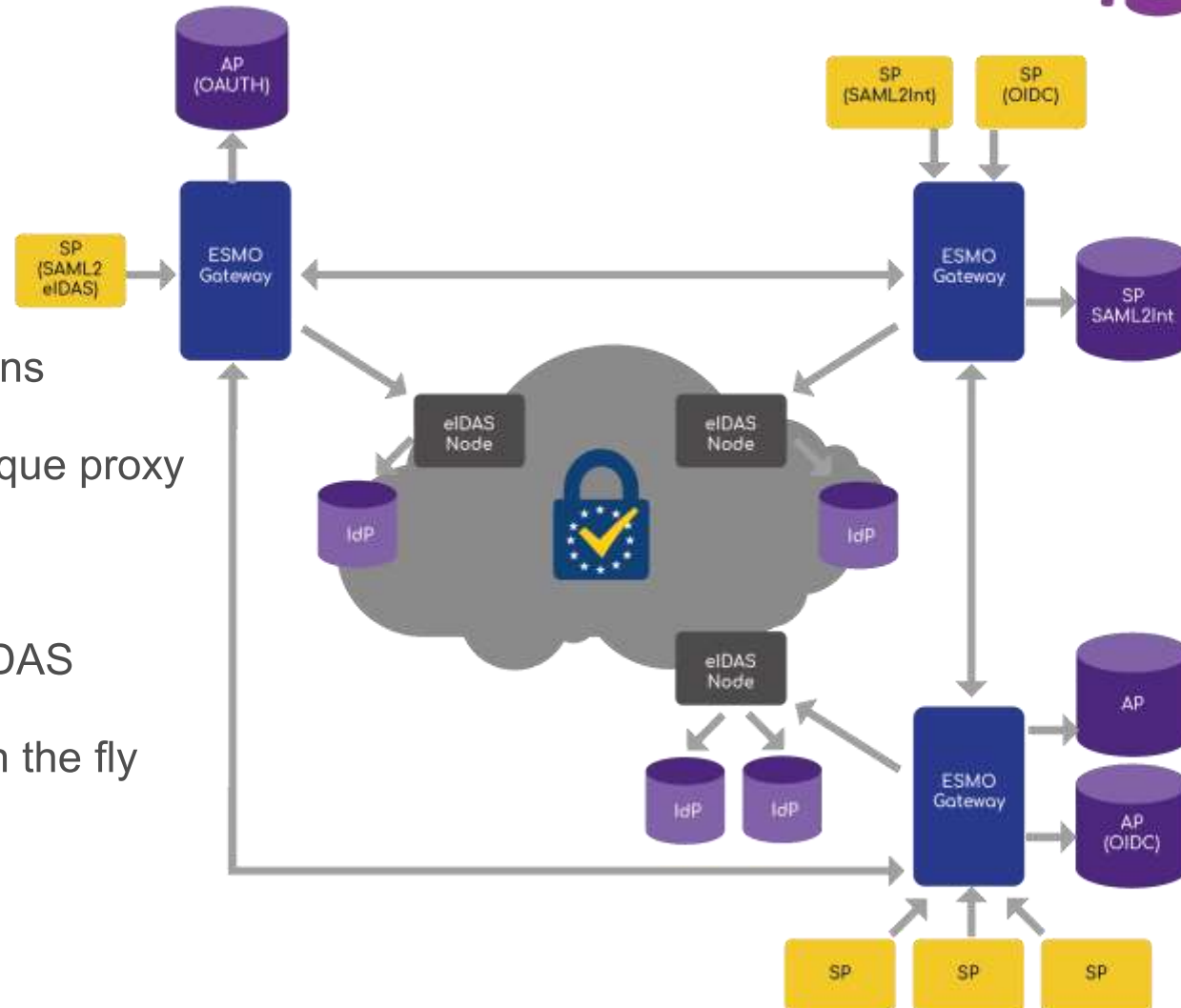
# Networked Deployment

## 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

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## 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

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## 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

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**Thanks for your  
attention**

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