How GEANT IdP of last resort enables a seamless mobility experience

Presenters: Christos Kanellopoulos (GEANT)
Licia Florio (GEANT)

TNC22, June 2022
Trieste, Italy

The sole responsibility of this publication lies with the project consortium. The European Union is not responsible for any use that may be made of the information contained therein.

Co-financed by the Connecting Europe Facility of the European Union

LC-01560120 CEF-TC-2019-4-001
The MyAcademicID Identity and Access Management
Enable NRENs to support a very important and large use-case

MyAID IAM launched in Nov 2020

MyAID IAM based on eduTEAMS

MyAID IAM operated by GÉANT

Leverages eduGAIN and eIDAS
The MyAcademicID Authentication Proxy:

- The MyAcademicID Service was launched in November 2020 MyAcademicID Project
- Provides an Authentication Proxy for the core Erasmus+ services (Online Learning Agreement, Dashboard, PhD Hub and the Erasmus+ App).
- Supports authentication via eduGAIN, eIDAS and Google
European Student Identifier (ESI)

Exchange of student records between the sending and the receiving institutions and the services.

The exchange of records and authentication of students are separate, thus the need for an identifier that will follow the student.

The identifier is protocol neutral

Join the discussion

https://wiki.geant.org/display/SM/European+Student+Identifier
Rolling out the ESI

- Weekly coordination calls with the NRENs to support the roll out of the ESI and the support of the required attribute set
- Developed the ESI Entity Category to enable the release of the ESI to more services (beyond EDSSI)

https://wiki.geant.org/x/QwKCFQ
User growth

User per month (cumulative)

Month

2022-12
2021-01
2021-02
2021-03
2021-04
2021-05
2021-06
2021-07
2021-08
2021-09
2021-10
2021-11
2021-12
2022-01
2022-02
2022-03
2022-04
2022-05

Users

0
50000
100000
150000

132,231
3,519

3362 HEIs
Login methods used by users

![Graph showing login methods used by users]

- **eduGAIN**: 82,745 users
- **eIDAS**: 568 users
- **Google**: 48,918 users
IdP of Last Resort
IdP of Last Resort

- MyAcademicID leverages eduGAIN to retrieve the ESI, the affiliation and user information from the HEIs the user is studying at.

- Even though a large percentage of the HEIs are available in eduGAIN through their national academic identity federations, there are HEIs which do not have the ability yet to enable federated access for their students.
Various scenarios

Scenario 1: Users come from HEI already connected to National Federation/eduGAIN

Scenario 2: Users come from HEI not in eduGAIN

Scenario 3: Users come from HEI without an IdP

Scenario 4: Users come from HEI without an IdP and there is no national solution available
National Solutions (Scenario 3)

- France
- Hungary
- Italy
- Poland
- Spain
IdP of Last Resort (Scenario 4)

- AT
- BE
- BG
- CY
- CZ
- DE
- DK
- EE
- GR
- HU
- LT
- LU
- LV
- MT
- NL
- NO
- PT
- RS
- SE
- SI
- TR

22 Countries
IdP of Last Resort (Scenario 4)

- Builds on top of MyAcademicID and the capabilities of eduTEAMS
- Provides a solution for these HEIs to manage the affiliation and ESI of their students that participate in the Erasmus+ programme
IdP of Last Resort (Scenario 4)

- Available for HEIs that are included in the ECHE Whitelist.
- The ECHE Whitelist is managed by DG EAC
- Basic criteria for a HEI to be on the whitelist:
  - Do not have ability to operate their own IT infrastructure for Federated Authentication
  - There is no solution provided to them by their National Research and Education Network
The ECHE Whitelist Process

Public copy of the ECHE Whitelist:

- [https://wiki.geant.org/display/SM/ECHE+Whitelist](https://wiki.geant.org/display/SM/ECHE+Whitelist)

Public copy of the HEIs removed from the ECHE Whitelist:

- [https://wiki.geant.org/display/SM/Removed+from+the+ECHE+Whitelist](https://wiki.geant.org/display/SM/Removed+from+the+ECHE+Whitelist)
- First onboarding end of August 2021
  - Started preparation in June
- Second (mini) onboarding in October 2021
- Third onboarding November 2021
  - Added new HEIs + fixed contact information from the first onboarding
- Onboarding continued in 2022 as well
Number of HEIs onboarded

HEIs onboarded per Country

Country

AT  19
BE  27
BG  47
CY  22
CZ  23
DE  47
DK  4
EE  3
GR  1
HU  16
LT  8
LU  2
LV  32
MT  4
NL  4
NO  1
PT  10
RS  38
SE  3
SI  28
TR  58

397 HEIs
In summary

In the last year:

- **~135K students** from **1587 Identity Providers** representing **2135 HEIs** are already accessing some Erasmus+ services (OLA and the Erasmus+ App) using MyAcademicID

- **397 HEIs** have been onboarded on the IdP of Last Resort Provided by MyAcademicID out of which **259 have IROs registered**.

- Established a mechanism for the release of the ESI to more services beyond EDSSI

- Created a communication channel with the federation operators

We have demonstrated how **eduTEAMS**, **eduGAIN** and national Identity Federations can **support** a large community and add **value**
Thank you

www.edssi.eu