Student identification in the new, digital Erasmus
Challenge #1

How to know that a student using the tools is actually one?
Challenge #2

How to ensure that different systems consistently recognise a given student as the same student?
Challenge #3

Enabling smart new functionalities that are tailored to students and require additional information [e.g. university of origin]
Erasmus+ Mobile App

Single entry point for institutions

Erasmus Without Paper

Single entry point for students

Inter-institutional agreement manager

Online learning agreement

learning-agreement.eu

Transcript of records
Digitising processes inherent to student mobility requires for involved e-services to know who is connecting and what their home university is.
Identification & Authentication

Use case n°3: Using HEI library with Smart Card technology

1. Goes to library
2. Goes to Front desk for registration
3. Wants to access library
4. Student confirms access routed microprocessor data updated with local profile
5. Student profile is checked in the ESCR
6. Wants to borrow a book
7. Book can be borrowed without any paperwork

University Library Front desk

University Library

National Federations in eduGAIN

InAcademia

Online Student Validation

eIDAS Nodes

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Identification & Authentication

Assurance

Complementarity

Identification

Authentication
European Student Identifier

- **Globally Unique**: Each student should be uniquely identified across organizational and national boundaries.
- **Persistent**: The identifier should follow the student during her/his time of studies.
- **Non-targeted**: The identifier should be the same for all services involved in the student mobility processes.
- **Protocol neutral**: The identifier should not change value depending on the protocol used. For example, it should be the same regardless is SAML or OpenID Connect is used.
- **Data transport neutral**: The identifier should not change value depending on how it is transported.
- **Privacy preserving**: The identifier should not be used to track the students’ activities across services.
European Student Identifier

urn:schac:personalUniqueCode:int:esi:auth.gr:23456790G

Namespace for the European Student Identifier

schacHomeOrganization

Student Identifier

ESI with HEI-wide scope student code
Benefits

• Secure and seamless exchange of information
• Reliable student identification and authentication
• Reuse of existing digital structures
• Online management of mobility process
• Reduced administrative burden
• Reinforced student status
#1 OLA and App login
#2 Pre-filling information
#3 EWP mix & match
#4 Applying for mobility in Erasmus+ App
And more…

• enrolling potential students relying on trusted citizen attributes
• enabling exchange students to sign dorm contracts prior to arrival
• integration with OLS and MT+
• automatic delivery of ToR through new Erasmus+ App
• accessing LMS of partner universities

>> in particular in the context of European University Alliances!
Make it work in just 3 steps:

1 – Join your federation (RedIRIS)
2 – Join eduGAIN
3 – Release ESI
Resources

Blueprint architecture: here.

ESI specifications: here.

Guidelines to connect to eduGAIN: here.

Live use case: Online Learning Agreement | PhD Hub.
Thank you!

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