



Student identification in the new, digital Erasmus

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Challenge #1

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

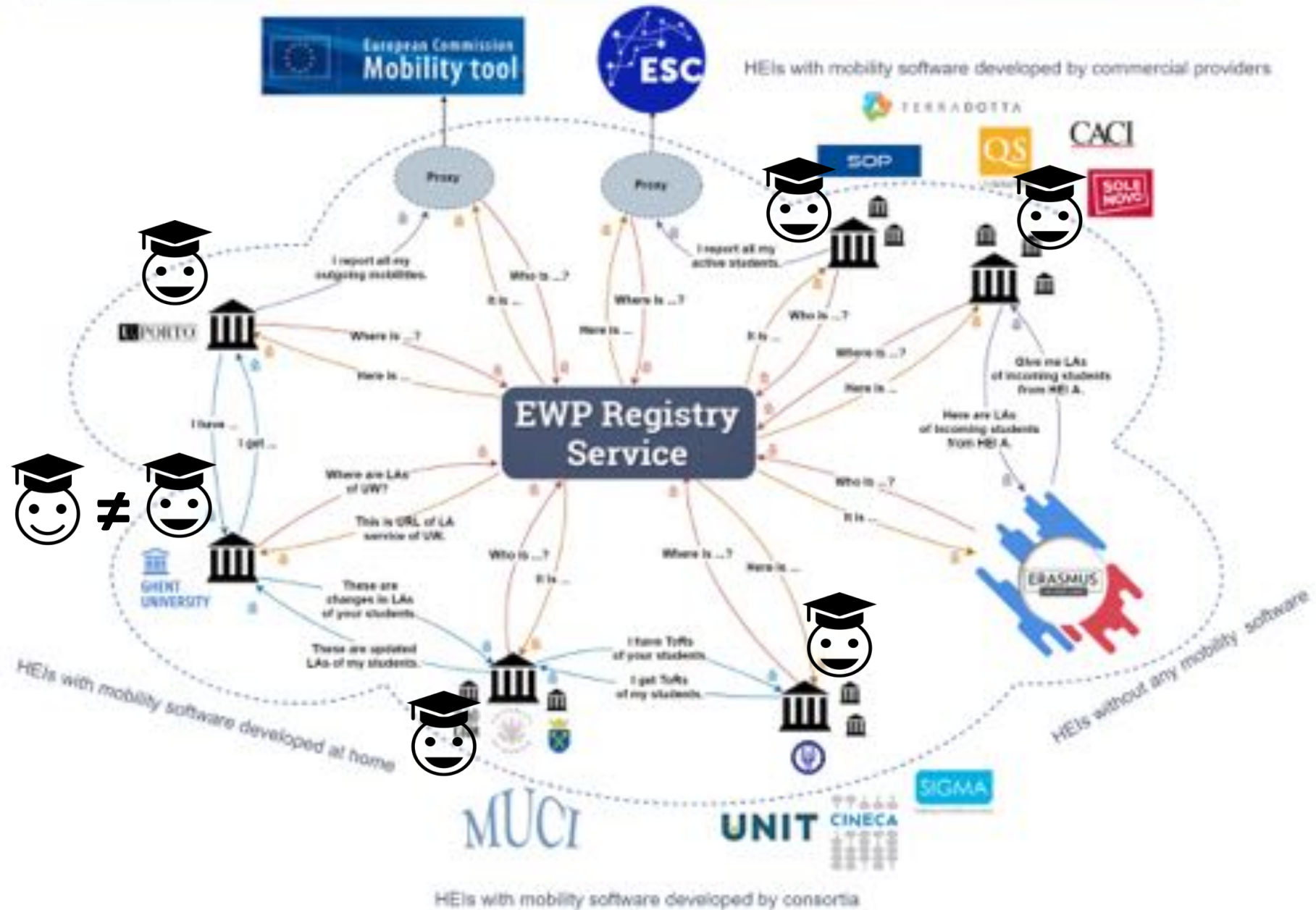


Challenge #2

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



EWP Network Infrastructure

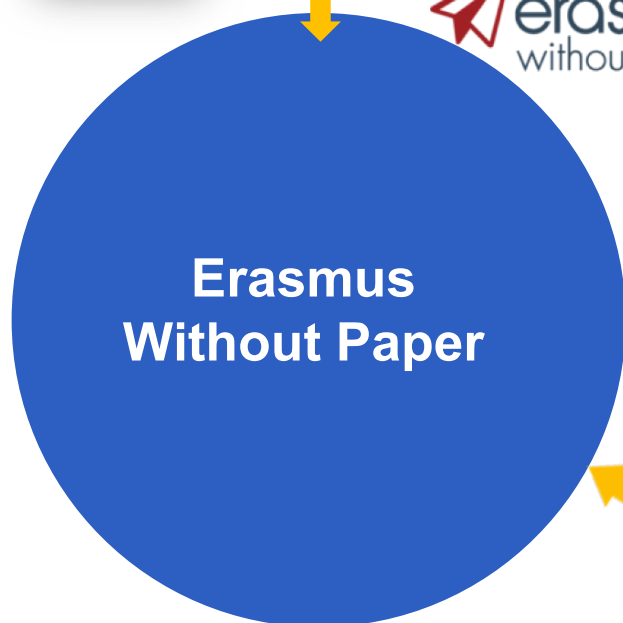


Challenge #3

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



Single entry point for institutions



Single entry point for students



Inter-institutional agreement manager



Online learning agreement



Transcript of records

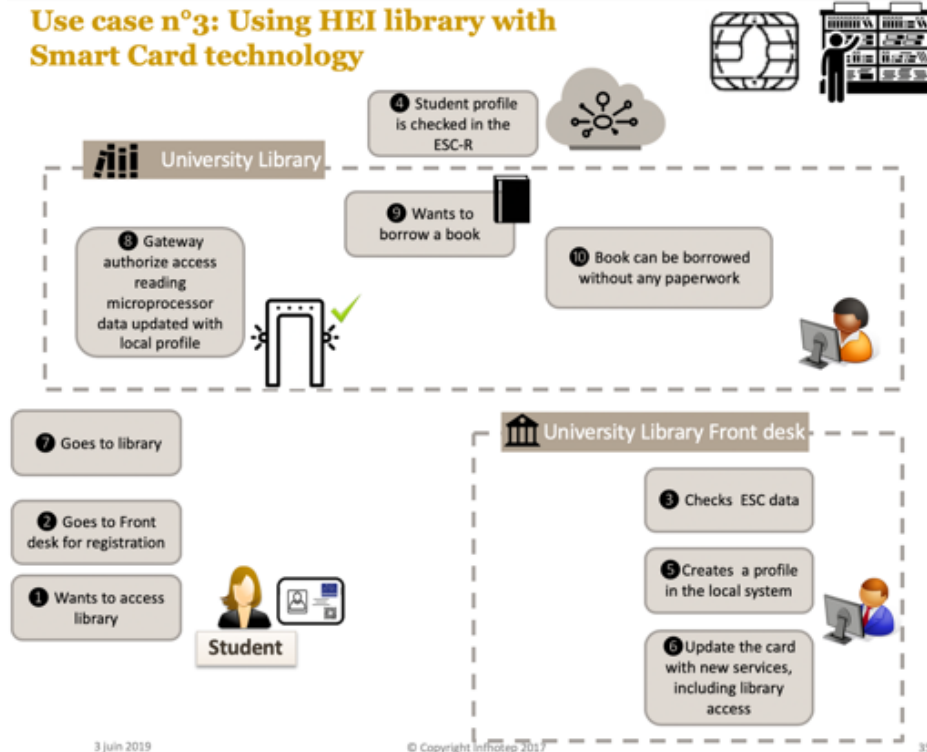
Digitising processes inherent to **student** mobility requires for
involved e-services to know
who is connecting
and **what their home university is**



Identification & Authentication



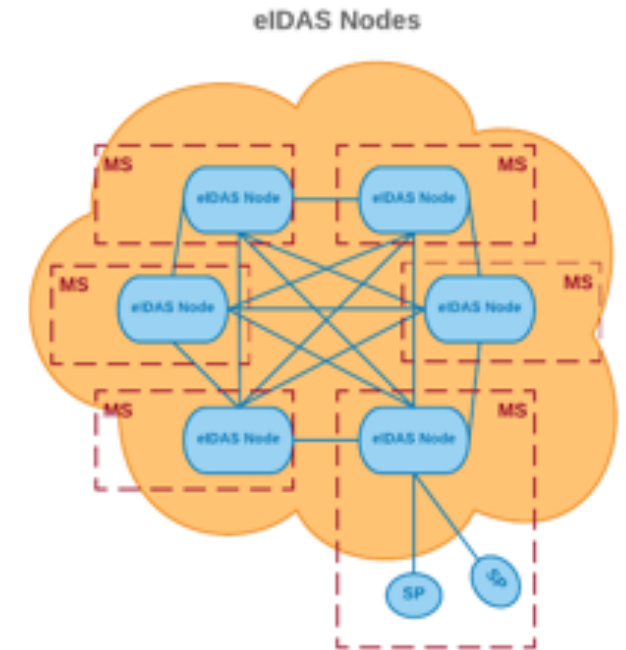
Use case n°3: Using HEI library with Smart Card technology



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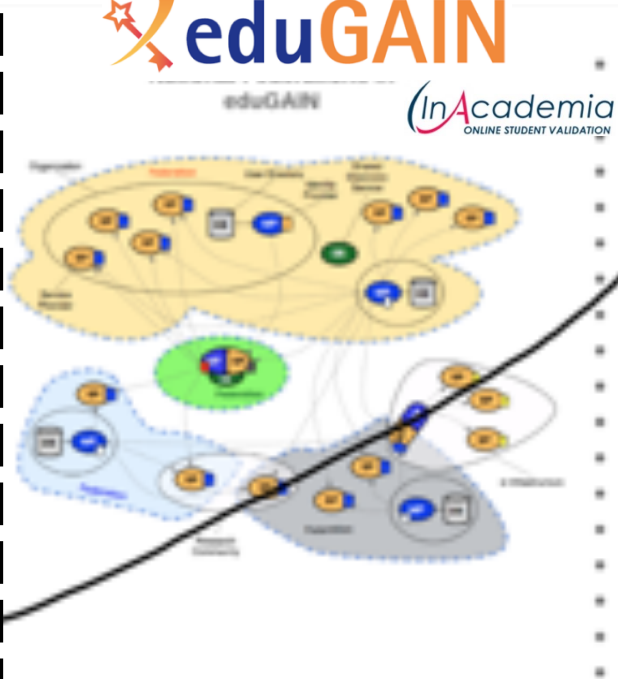
Identification & Authentication

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 if 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

<https://wiki.geant.org/display/SM/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

- 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

The background of the slide is a photograph of a graduation ceremony. Silhouetted graduates are seen from behind, standing on a stage and throwing their caps into the air. The scene is set against a warm, orange-hued sky, suggesting a sunset or sunrise.

Benefits

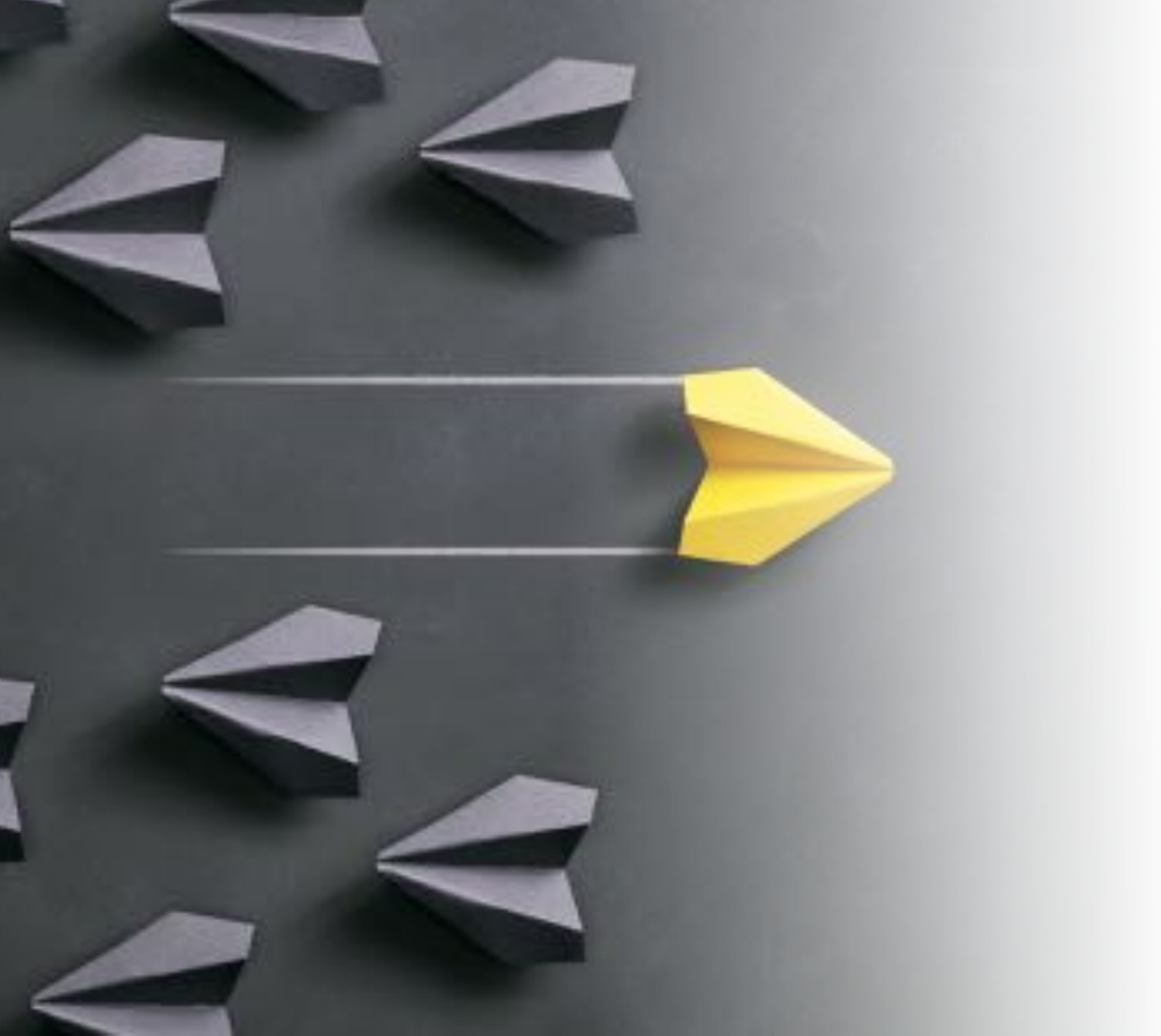
A decorative background featuring a large yellow arrow pointing right, with several grey, faceted geometric shapes scattered around it. The arrow and shapes are set against a dark grey background that transitions into a white background on the right side of the slide.

#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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