



Building bridges with a European Student eID Scheme for Higher Education

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Today...

- The MyAcademicID project
- Digital tools for student mobility
- SSO for centralised student services
- A European Student Identifier
- Adding eIDAS for more security
- Overview and further work
- More information



Enriching lives, opening minds

through EU-funded learning opportunities abroad, partnerships, support to reform

2014 - 2020

14.7 billion EUR



Opportunities abroad for over
4 million people



2021 - 2027

30 billion EUR



Opportunities abroad for over
12 million people

The MyAcademicID Project

Jan 2019 – Dec 2020

A Single European eID Scheme for Higher Education

- Students will be able to:
 - a) Use their **academic credentials** to access student e-services across borders.
 - b) Use their **citizen eID** to enroll at higher education institutions.



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The plan

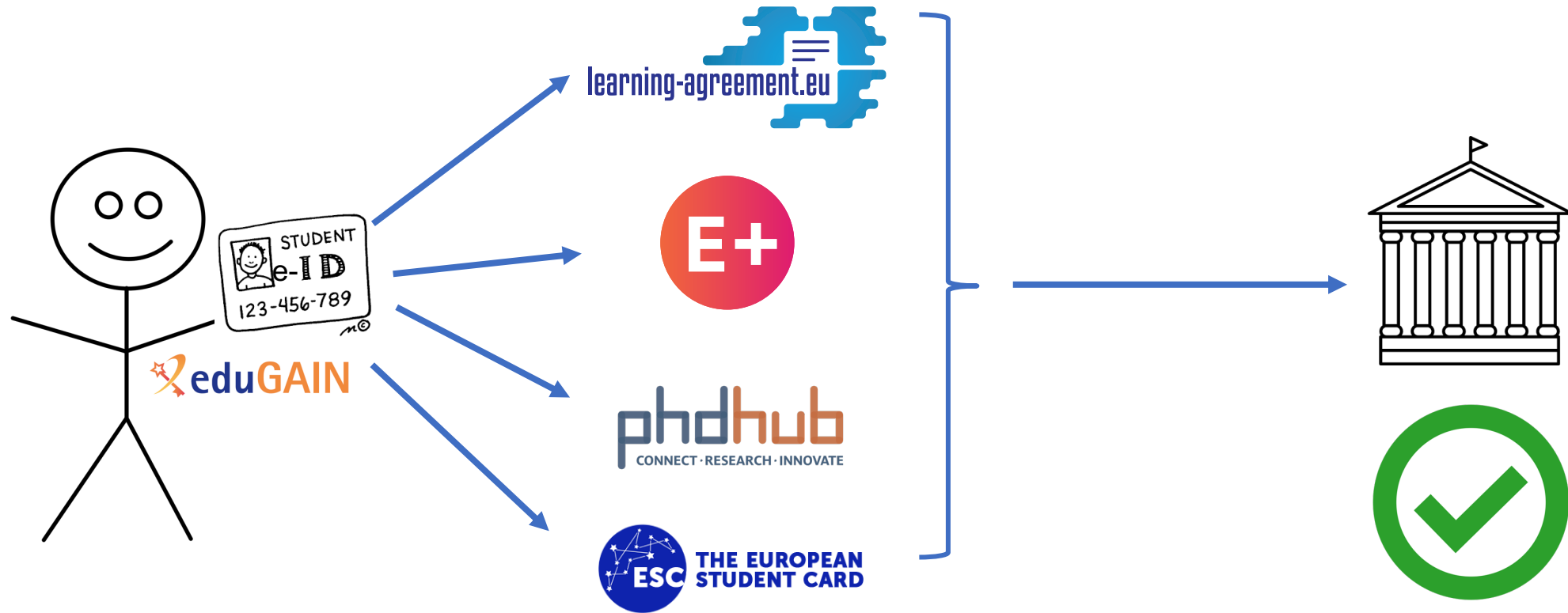
- a) Bridging:
 - **eduGAIN**
 - **eIDAS**

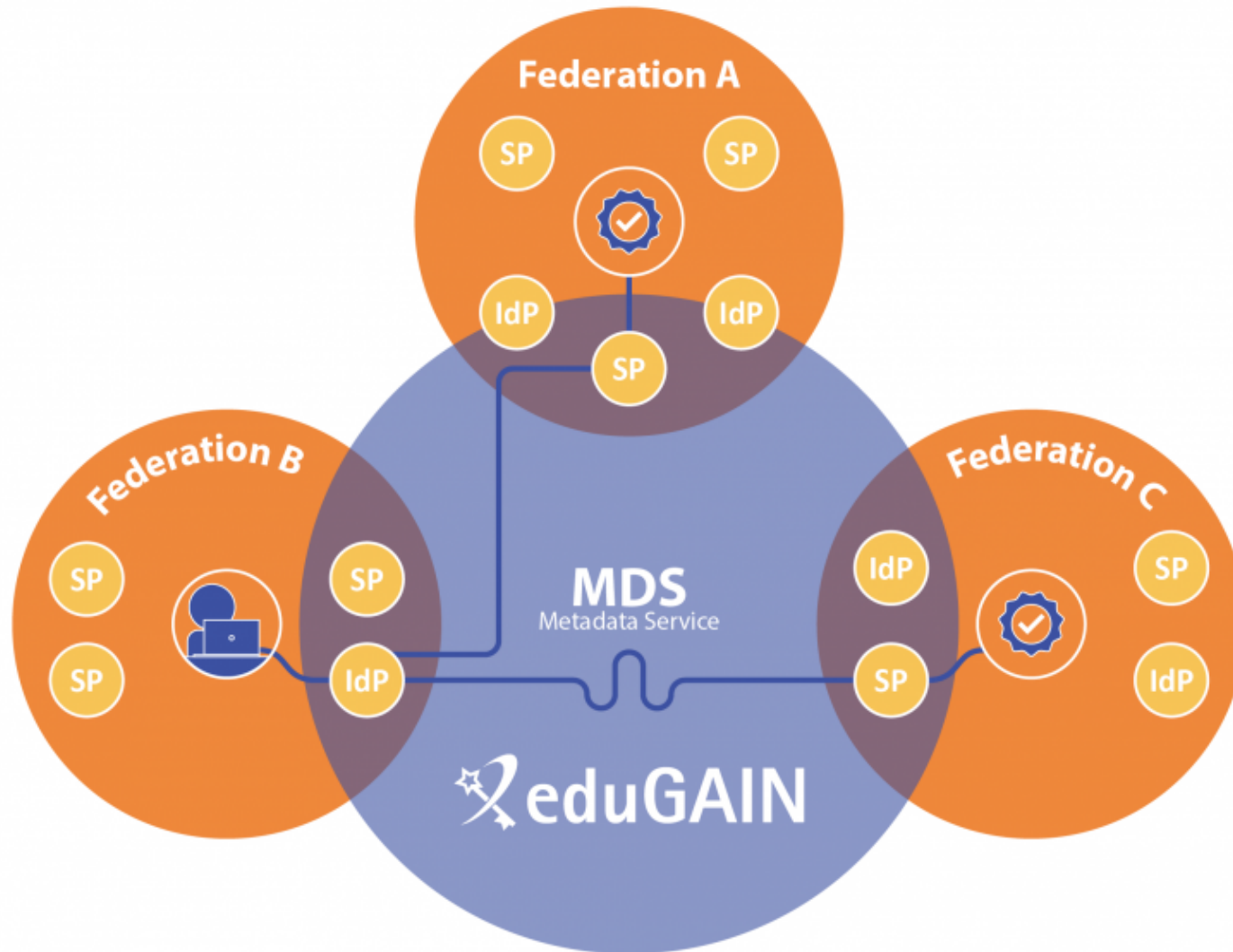
- b) Rolling out a unique **European Student Identifier**

- c) Connecting **European student e-services** to this digital environment:
 - Online Learning Agreement
 - Erasmus+ Mobile App
 - Erasmus Dashboard
 - PhD Hub Platform



Use case: access to e-services





Interfederation service

- Connects identity federations.
- Users can identify and authenticate electronically using a single identity provided by their home institution (SSO).
- Simplifies access to content, services and resources for the research and education community.



THE EUROPEAN STUDENT CARD

Original European Student Identifier

DE-14-999489941-234567890G

Country code

Region code

HEI Participation Identification Code (PIC).

Student identifier (INE ID for France)

ESC Project

- Establish a common digital and graphic identity on European student cards.
- Allow students to assert their student rights and access student services anywhere in Europe.

The European Student Identifier 2.0

Builds on the work done by the European Student Card Project.

Characteristics:

1. Globally unique
2. Persistent
3. Non-targeted
4. Protocol neutral
5. Data transport neutral

Reliably identifies students across e-services



The proposed European Student Identifier

The European Student Identifier

`urn:schac:personalUniqueCode:<country-code>:<eNS>:<sHO>:<code>`

- `<country-code>` is a valid two letter ISO 3166 country code identifier or the string "int" and assigned by the SCHAC URN Registry.
- `<eNS>` is the string "ESI" or a string from a nationally controlled vocabulary that denotes that this is a European Student Identifier and which is published in the SCHAC URN Registry.
- `<sHO>` OPTIONAL – This is the schacHomeOrganization. Required if the student code is provided by the Home Organization of the student and there can be no guarantees that it uniquely identifies the student within the member state.
- `<code>`: The code of the student that uniquely identifies the student within the scope that has been issued. `<code>` has to be a **URN string** following the requirements of RFC 2141

Examples:

Student codes issued and managed centrally at the Member State level

`urn:schac:PersonalUniqueCode:hr:ESI:xxxxxxxxxx`

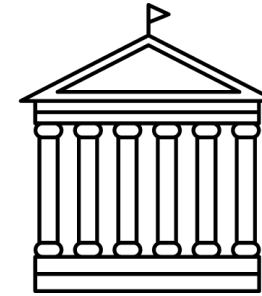
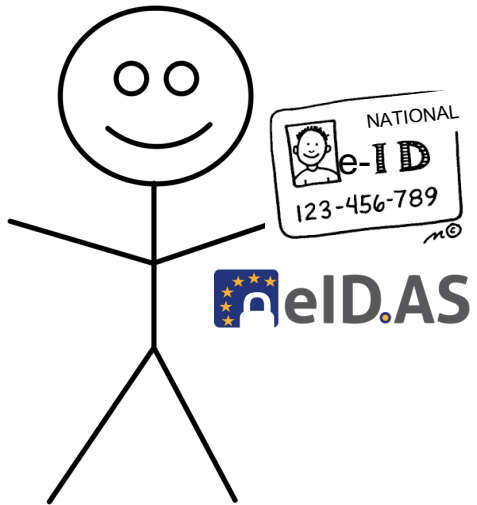
Student codes are issued and managed by the HEI

`urn:schac:PersonalUniqueCode:es:ESI:uma.es:xxxxxxxxxx`

Student codes are issued by sub units of HEI

`urn:schac:PersonalUniqueCode:es:ESI:yyy.uma.es:xxxxxxxxxx`

Use case: registration at HEIs



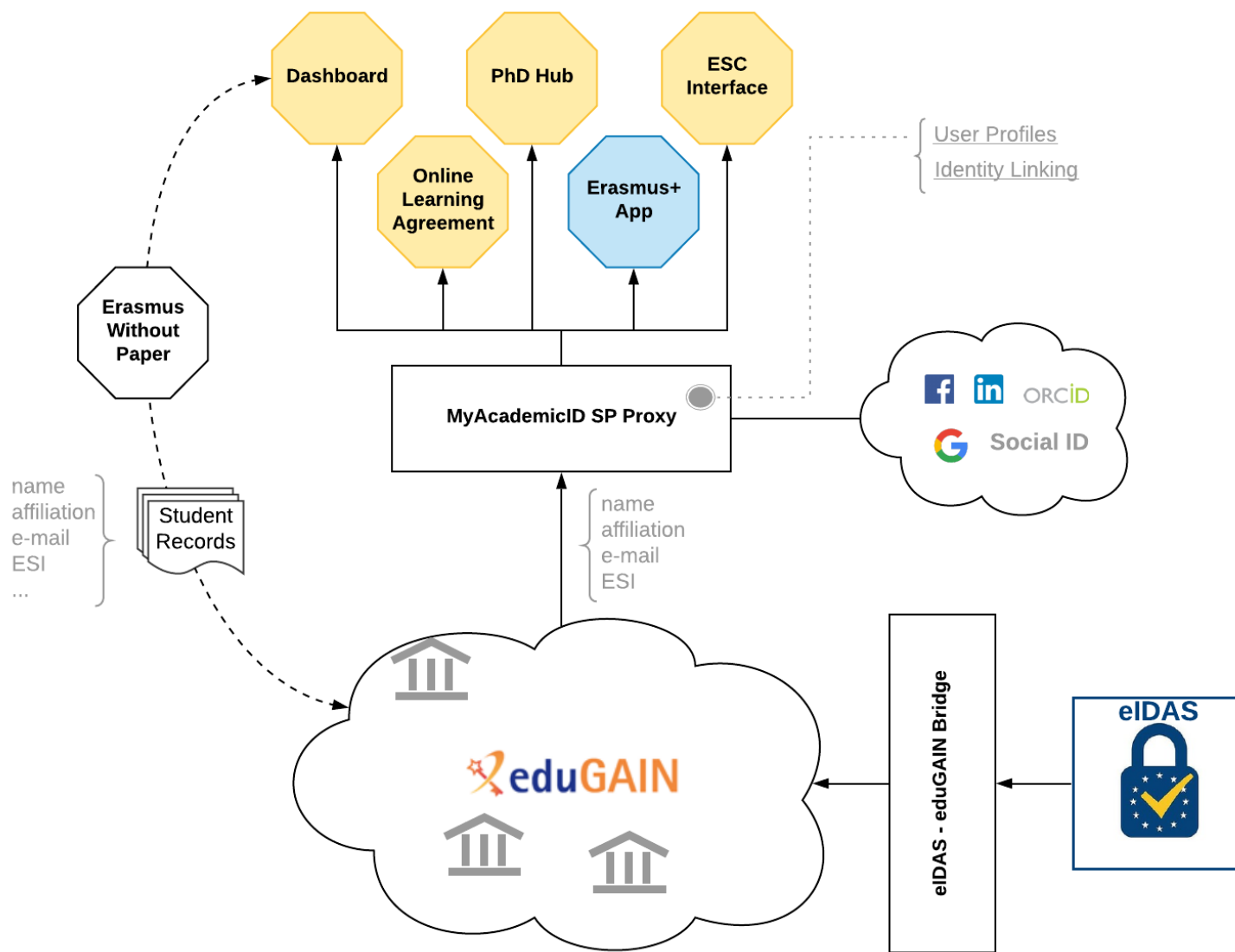
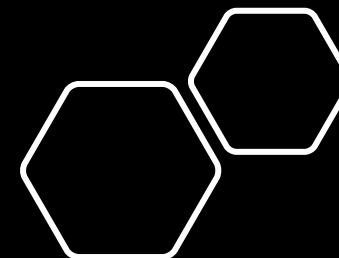
Regulation on electronic identification and trust services for electronic transactions in the internal market

- Allow EU citizens to use their national eID scheme to access public services in other Member States.
- Adopted in 2014 and entered into force in 2016.
- Not fully operational yet!





MyAcademicID Blueprint architecture



Full blueprint available on:
<https://myacademic-id.eu>

Advantages of an OIDC Proxy

- Builds on existing tools and services
- Identity linking with other accounts
- Simplified implementation for applications
- Student scoped authentication on API endpoints



A hand is shown writing on a document with a pen. A ruler is placed horizontally across the page. The background is a blurred image of a desk with a pen and a ruler.

Read up on the MyAcademicID Blueprint

Support the introduction of the European Student Identifier

Thank you!

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Resources

MyAcademicID

<http://www.myacademic-id.eu/>

Erasmus Without Paper Competence Centre

<https://cc.erasmuswithoutpaper.eu/>

eIDAS

<https://ec.europa.eu/digital-single-market/en/e-identification>

eduGAIN

<https://edugain.org/>

National Research and Education Networks

<https://technical.edugain.org/status>

European Student Card Initiative

https://ec.europa.eu/education/education-in-the-eu/european-student-card-initiative_en