

# Erasmus Without Paper

*y su parentela*

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CRUE  
León  
22 de abril de 2023



# CEF



Co-financed by the European Union  
Connecting Europe Facility

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# CEF

Programa de fondos europeos (2014-2020)  
para fomentar el despliegue de redes de  
comunicaciones pan-europeas

- ▶ Estrategia del mercado digital único
- ▶ Fondos para el despliegue de nodos
- ▶ Fondos para la integración de servicios
- ▶ Interés en los servicios de movilidad académica



# Four flagship initiatives



Expand to **60 European Universities with more than 500 universities by mid-2024**, with an Erasmus+ indicative budget totalling EUR 1.1 billion for 2021-2027.



Work towards a **legal statute for alliances** of higher education institutions: pilot as of 2022 under Erasmus+ the implementation of existing European instruments



Examine options and necessary steps towards a **joint European degree**: pilot as of 2022 under Erasmus+ the first steps towards a joint European degree, in particular the development of European criteria for the award of a European Degree label



Scale up the **European Student Card initiative by starting deploying a unique European Student Identifier** to all mobile students in 2022 and to all students in universities in Europe by mid-2024



## Marco político/normativo

EUROPEAN  
STUDENT  
CARD  
INITIATIVE  
*Simplifying, facilitating,  
connecting*



2.1 Digitalización y estandarización de los procesos administrativos

### Servicios Web



### Infraestructura de interoperabilidad



2.2 Autenticación transfronteriza en línea de los estudiantes



### Autenticación e identificación



([idp.erasmusplus.gob.es](http://idp.erasmusplus.gob.es))

**EUROPEAN  
STUDENT  
CARD  
INITIATIVE**

*Simplifying, facilitating,  
connecting.*





- Countries setting-up an eIDAS compliant Node:  
**AT\*, BE\*, CZ\*, DE, DK\*, EE\*, EL\*, ES\*, FR, HR\*, HU, IR, IS, IT\*, LT, LU\*, LV\*, MT\*, NL\*, NO\*, PL\*, PT, SI, SK, SE, UK\***
- Countries planning national eIDAS Node implementation:  
**BG, CY, FI, RO, TR**

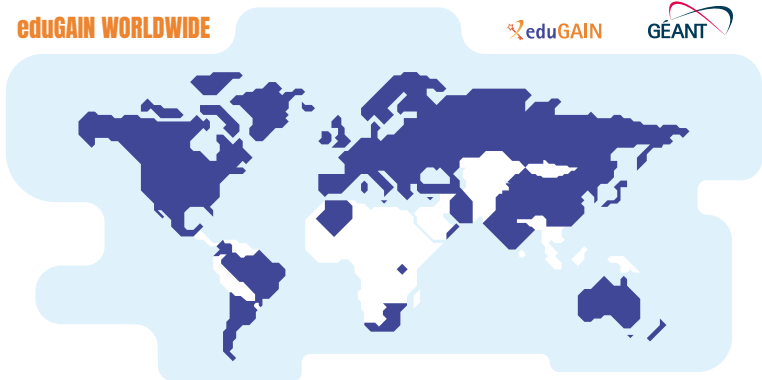
*\* countries that expressed intent to use CEF eID sample implementation*



**eduGAIN WORLDWIDE**

 **eduGAIN**

 **GEANT**



**55+**  
FEDERATIONS

**>2.600**  
IDENTITY PROVIDERS

**>1.900**  
SERVICE PROVIDERS

**33M**  
AUTHENTIFICATIONS  
PER WEEK (est)

**27M**  
USERS (est)



eduGAIN is part of the GEANT Project (GN4-2), which is funded by the European Union's Horizon 2020 research & innovation programme under grant agreement 731 122 as part of the GEANT 2020 Framework Partnership Agreement no. 653998

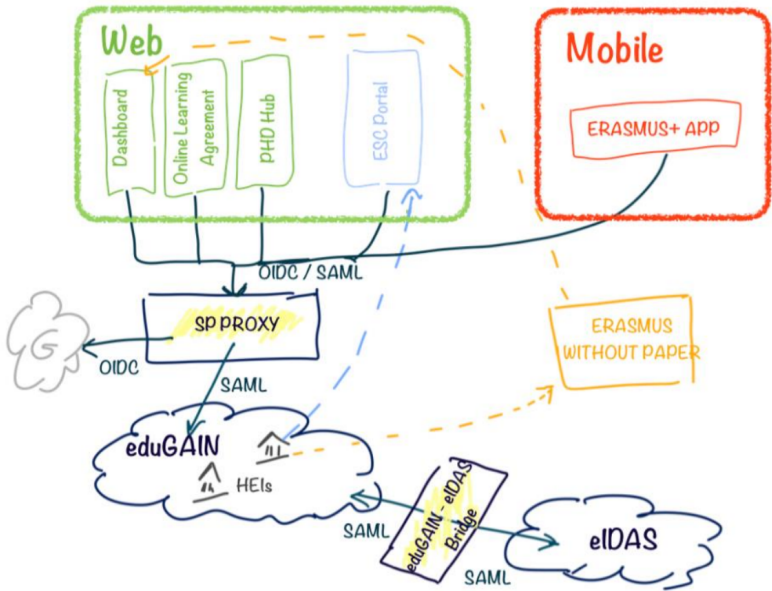
June 2018

[edugain.org](https://edugain.org) 

# MyAcademicId

- ▶ Interacción electrónica segura y sin interrupciones entre IES
- ▶ Reforzar el estatus de estudiante europeo
- ▶ Permitir la movilidad trasfronteriza
- ▶ Permitir autenticación y transferencia de datos usando las credenciales de la IES





# European Student Card

<https://router.europeanstudentcard.eu/>



European Student Card



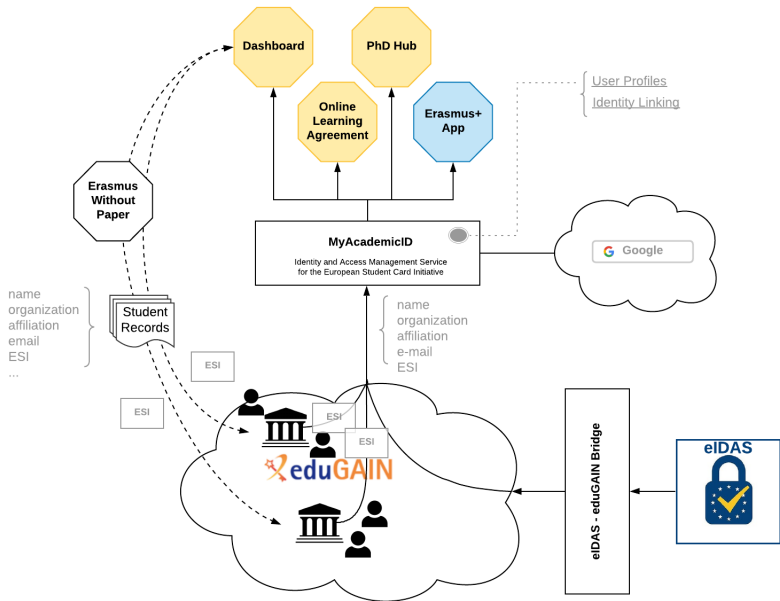
EDSSI



# European Digital Student Service Infrastructure







ESI



# European Student Identifier



# European Student Identifier

a.k.a. *El niño problemático*



# European Student Identifier

a.k.a. *El niño problemático*

¿Por qué?



# European Student Identifier

- ▶ **Identificar unívocamente** al estudiante, *globalmente*
- ▶ Usable **entre** servicios
- ▶ Estable durante la vida académica  
(= ¿toda la vida?)



# European Student Identifier

- ▶ Único globalmente
- ▶ Persistente
- ▶ No dirigido
- ▶ Neutro para el protocolo
- ▶ Neutro para el transporte
- ▶ Preservar la privacidad



# European Student Identifier

comienza el *lanzamiento de palabras*





# European Student Identifier

RGPD



# European Student Identifier

Privacidad desde el diseño



# European Student Identifier

Seguridad



# European Student Identifier

*PERO...*



# European Student Identifier

*¿qué pasa con?*



# European Student Identifier

el intercambio de expedientes



# European Student Identifier

la verificación de notas



# European Student Identifier

el historial académico





# European Student Identifier

los intereses de la persona



# European Student Identifier

No olvidemos que ...  
La información *ya se mueve*



# European Student Identifier

No olvidemos que ...

La información *ya se mueve*  
de forma *molesta* para la persona



# European Student Identifier

No olvidemos que ...

La información *ya se mueve*  
de forma *molesta* para la persona  
**EN PAPEL**



# European Student Identifier



# European Student Identifier

urn:schac:PersonalUniqueCode:int:esi:uma.es:06112345

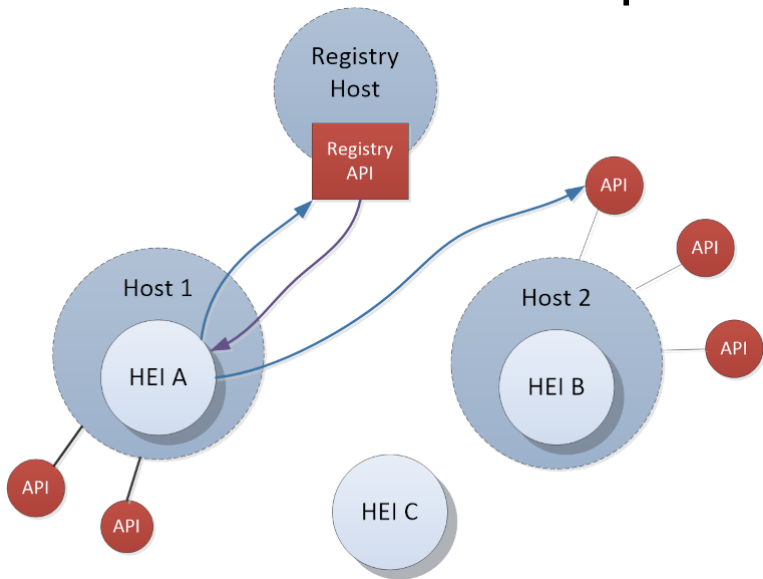


# EWP

# Erasmus Without Paper



# Erasmus Without Paper



# Erasmus Without Paper

Servicios para *consumo humano*

On-line Learning Agreement

student@sHO

ESI

# Erasmus Without Paper

Servicios para *consumo humano*

Dashboard  
desconectado de  
MyAcademicId/eduGAIN

# Erasmus Without Paper

Servicios para *consumo humano*

Registry admin

staff@sHO

eduPersonEntitlement

urn:geant:erasmuswithoutpaper.eu:ewp:admin

<https://wiki.geant.org/display/SM/Attributes+required+from+Higher+Education+Institutions>

# Erasmus Without Paper



MyAcademicID

Attribute Release  
Test Service  
Provider

This page is intended for Identity Provider operators, who want to test the attribute release of their Identity Provider towards the MyAcademicID service.

Test Attribute Release for Students

Test Attribute Release for University Staff

Test Attribute Release for EWP Admins

`https://myacademicid-acc.devtest.eduteams.org/sp/`

# Erasmus Without Paper



Login with

Examples: University of Bologna, name@aut

or



Login with eIDAS



Login with Google

# Erasmus Without Paper



MyAcademicID

Attribute Release  
Test Service  
Provider

This page is intended for Identity Provider operators, who want to test the attribute release of their Identity Provider towards the MyAcademicID service.

## Attribute Release Status for University Staff

Please find below a list of the [attributes expected](#) for the MyAcademicID service, marking any problems found with the attribute values that were received.

👍 The identifier of the user is released

👍 The name of the user is released

👍 The email of the user is released

👍 The affiliation of the user is released

👍 The `schacHomeOrganization` of the user is released

Attributes received:

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# Erasmus Without Paper Glosario

[https://erasmus-plus.ec.europa.eu/  
european-student-card-initiative/  
help-support/glossary](https://erasmus-plus.ec.europa.eu/european-student-card-initiative/help-support/glossary)



# Erasmus Without Paper

*EWP does go beyond being only a technical solution and the business processes have to change as well.*

# Gracias

## ¿Preguntas?

no se garantizan las respuestas

