

ESCI Webinar

The European Student Card Initiative

across partner universities - implementation and Integration

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Your hosts for today's webinar are...



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task lead



As Digital Officer at PoliTO, I actively contribute to the development of the in-house EWP client.

I have been responsible for the ESC rollout and am currently working on the integration of the BM.



As task leader in ESCI for UNITE. And during the last two year I work, document and inform the 9 university in UNITE about ESCI and ESC.

Bertonasco, R., Diard, J., Landfahrer Berglez, K., Schön, S., Alcober, J., Büttner, W., Cruz, L., Ebner, M., Espadas, C., Ferrian, C., Fink, J., Gasplmayr, K., Hoppe, C., Järvelä, H., Krysiak, J., Oller, M., Petersson, J., Reignier Tayar, N., Schmidt, A., Sessler, C., Szymanska-Kwiecien, A. & Tadaszak, R. (2025). **Implementing European Student Card amongst the European university alliance Unite!: A technical report on status, developments, and plans of Unite! universities (Technical Report)**. Graz University of Technology. DOI: 10.3217/nzz7b-vam63

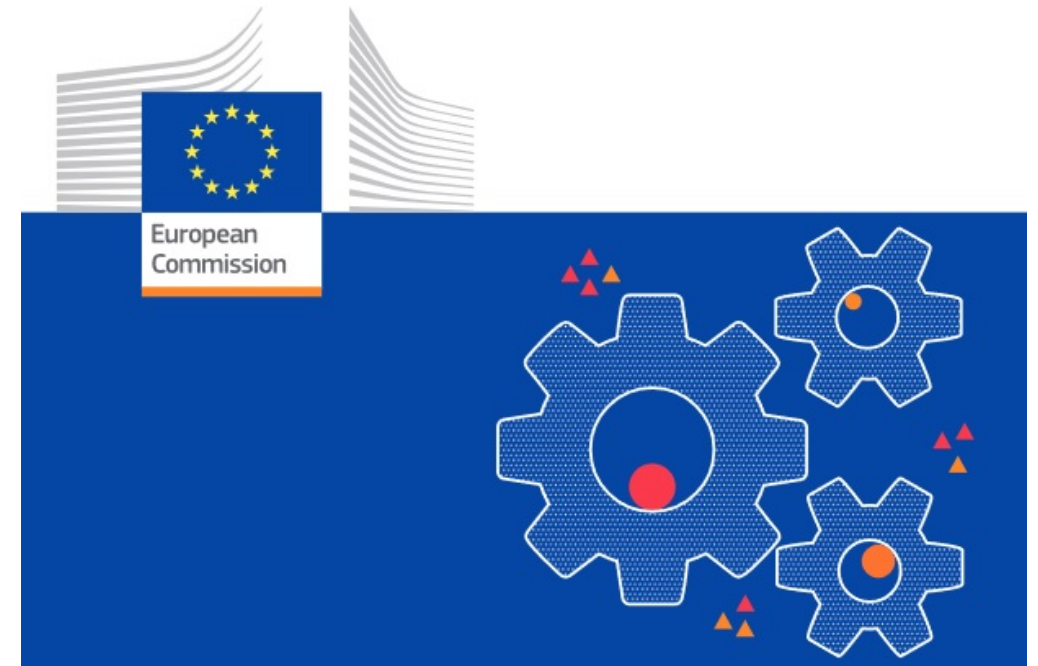


Implementing the European Student Card within the European university alliance Unite!

A technical report on status, developments, and plans of Unite! universities

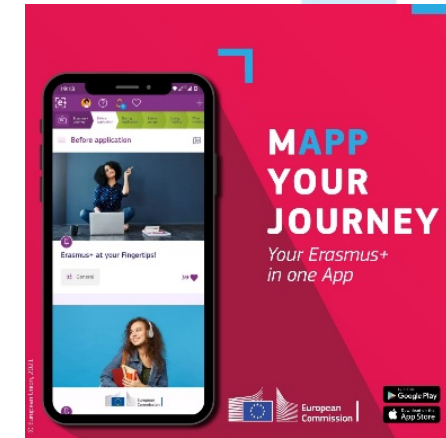
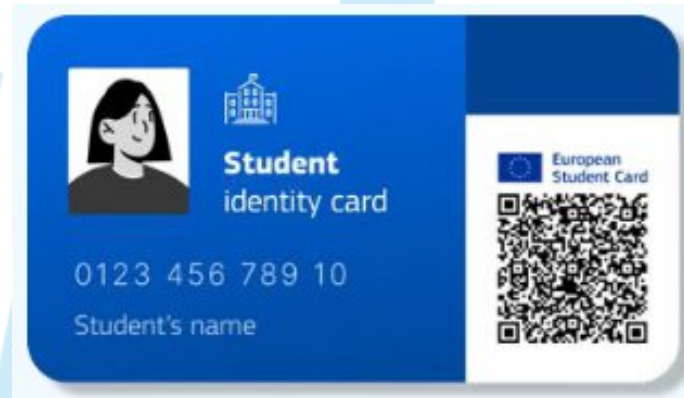
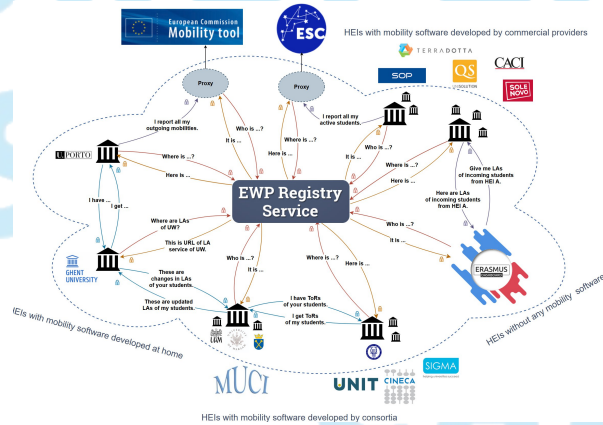
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Reminder of the ESCI

- **Dematerialised** administrative procedures for student mobility based on 3 tools:



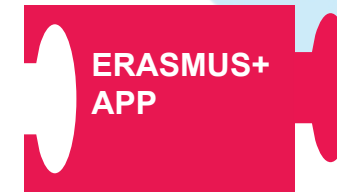
Data exchange network



Service Card +ESI



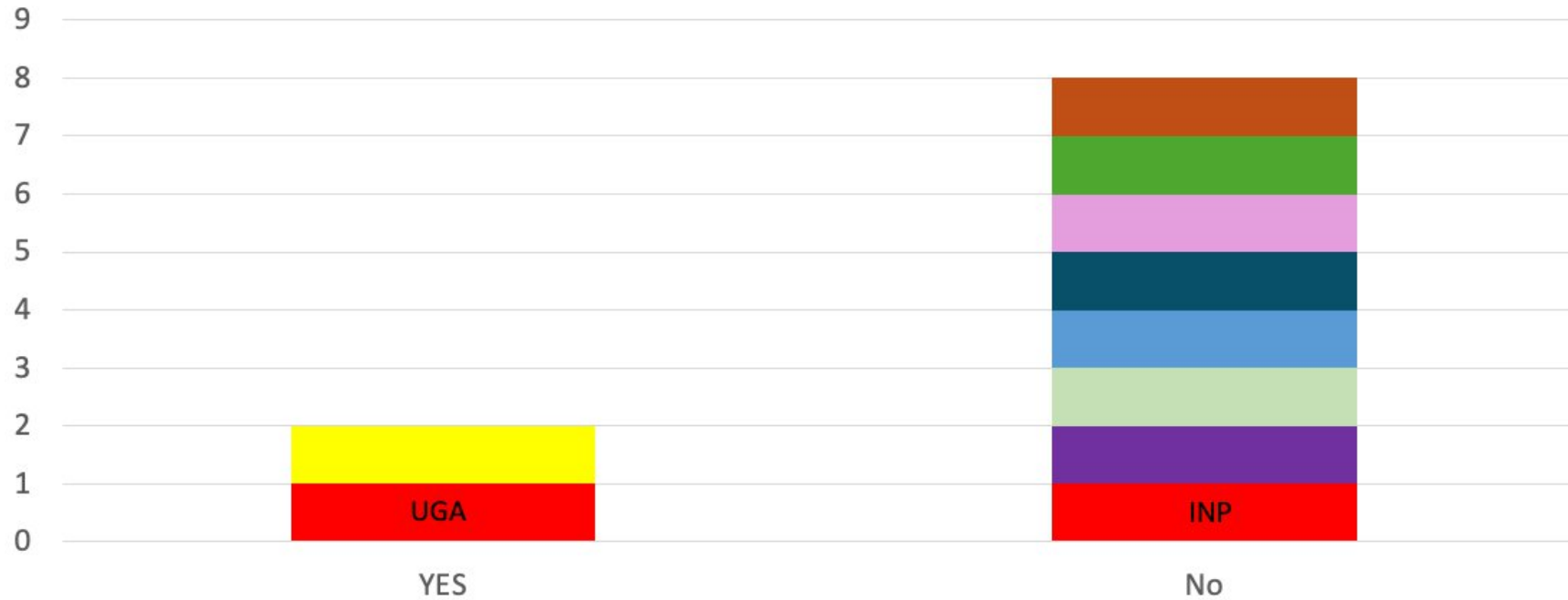
Mobile app



If you want more information: <https://erasmus-plus.ec.europa.eu/european-student-card-initiative>

State of implementation (2025)

Do existing campus cards already integrate ESC standards?



■ INP-UGA ■ PoliTo ■ TU Darmstadt ■ Ulisboa ■ UPC ■ Wroclaw Tech ■ TU Graz ■ KTH ■ Aalto



ESC IMPLEMENTATION STATUS IN OUR PARTNER COUNTRIES

Overview of progress and national approaches
to the European Student Card (ESC)



AALTO UNIVERSITY

HEIs integrating ESC into digital systems. National rollout in progress; solutions vary (e.g., Aalto exploring options).



**KTH ROYAL INSTITUTE
OF TECHNOLOGY**

Implementation led by the Swedish Council for Higher Education. ESI implemented. Student cards issued by national providers based on LADOK data.



WROCLAW TECH

Universities can issue ESCs independently. A national standard is under development and will integrate with the national student ID. Wrocław Tech is joining the programme.



**TECHNICAL UNIVERSITY
OF DARMSTADT**

Gradual implementation with focus on integrating ESC into digital infrastructures and harmonizing diverse institutional systems.



**GRAZ UNIVERSITY
OF TECHNOLOGY**

National solution in development, available to all universities by default. TU Graz will adopt it alongside physical student cards.



GRENOBLE INP-UGA

One of the first to pilot ESC (CNOUS). Now expanding to more HEIs and working on interoperability between national systems.



**POLITECNICO
DI TORINO**

One of the Italian universities issuing ESC (~20% of Italy's total). PoliTO has developed an in-house, fully integrated solution with virtual issuance via app.



**UNIVERSIDADE
DE LISBOA**

Active progress across universities. Focus on administrative efficiency, interoperability and full integration into national student services.



**UNIVERSITAT POLITÈCNICA
DE CATALUNYA · BARCELONATECH**

Participated in the original ESC pilot. No centralized solution; universities integrate ESC individually. National initiatives promote broader adoption.



App Integration at Politecnico di Torino

PoliTO start development in 2023

In 11/2024 release the production version

Router organisation dashboard

[Export as PDF](#)

Politecnico di Torino

Organisation name

May 25, 2026, 11:30 PM

Last synchronisation date

16,855

Students with active cards

Active cards by type

● Digital passive card, with no... 100%

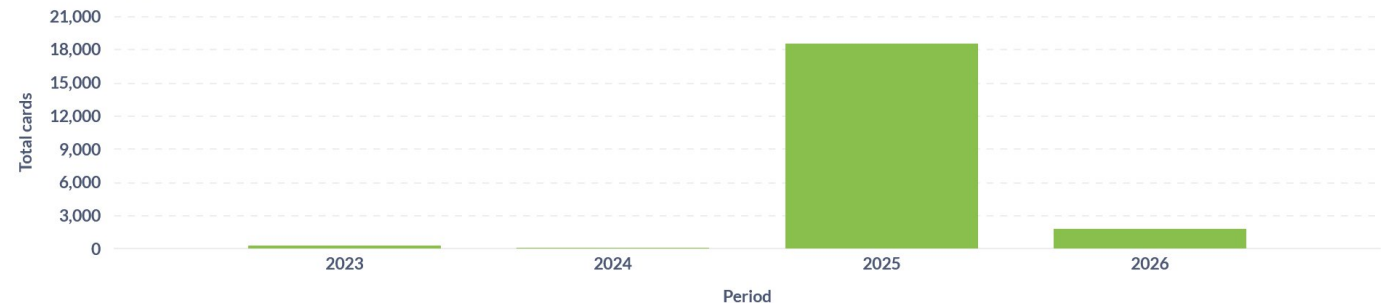
16,855
TOTAL

100%

20,433

Total number of cards

Issued cards by year



 **317,283**
ESC issued to date

 **250,533**
ESC active at the moment

 **101**
Organizations registered with the ESC Register

 **60**
Organizations that have issued ESC

 **30**
Organizations that issue active ESCs*

*May 2026 data

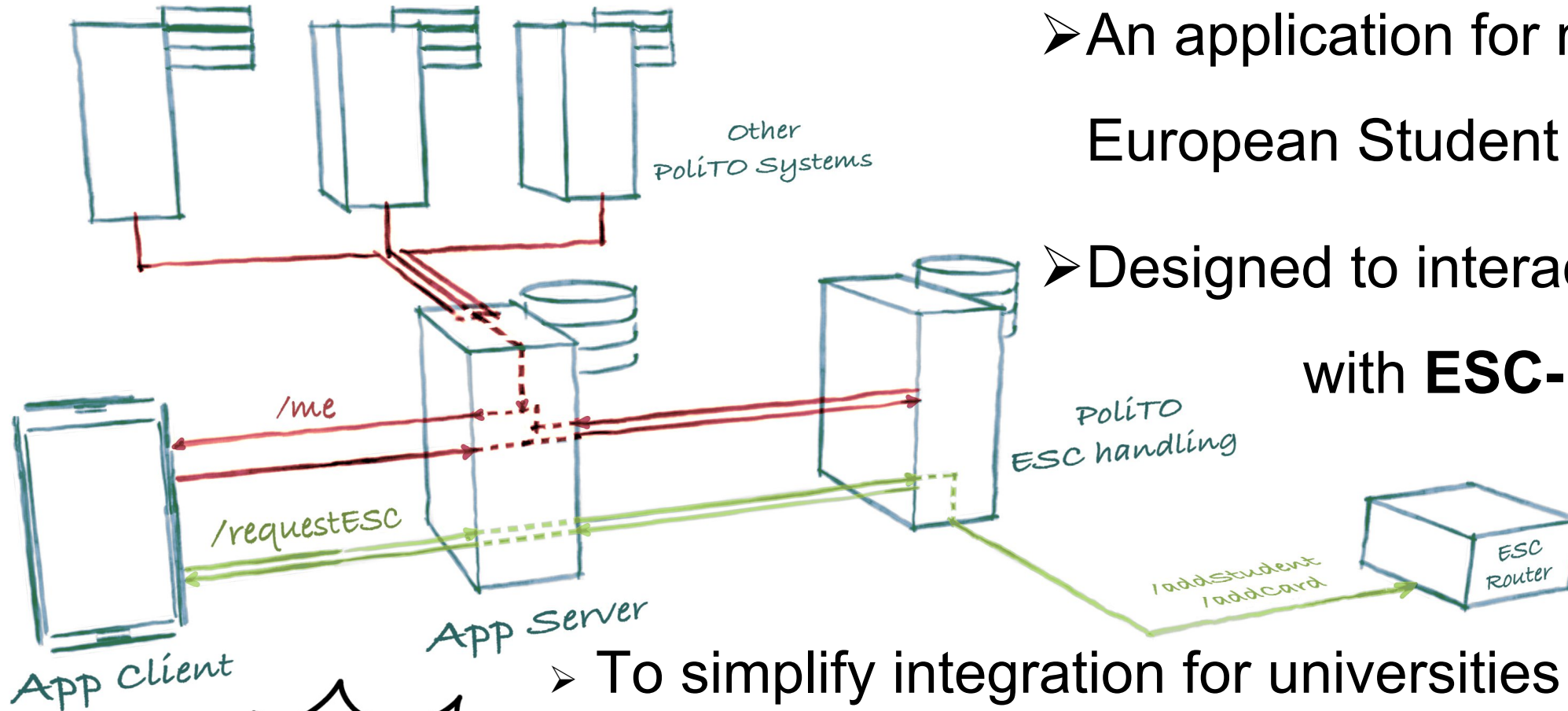
PoliTO Students App

- App released under open-source license on GitHub
<https://github.com/polito/students-app>
- App designed and developed by students, for students
- Focus on the "student" as:
 - End user
 - Developer
 - Maintainer



- Originally intended to be web-only
- Now integrated into the app for easier management
- We made it available to ALL enrolled and active students, ESC request is unavailable just for:
 - Inactive students
 - Students not enrolled in the current academic year
 - Blocked academic careers





- An application for managing European Student Cards
- Designed to interact with **ESC-Router**

Why?

- To simplify integration for universities
- Open-source: available on GitHub for collaboration







<https://github.com/polito/ESC-Adapter>

Standardized REST API structure

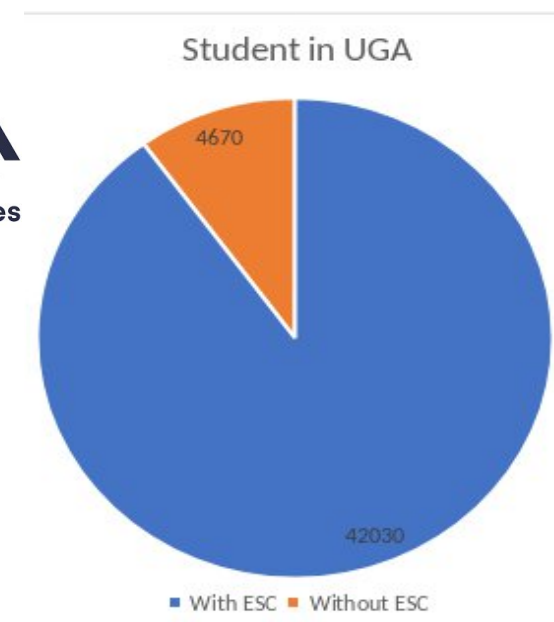
GET → Retrieve card data (if available)

POST → Request ESC (creates student & card on ESC-Router)

DELETE → Revoke consent → Delete all student data & disable all linked cards (e.g., multiple enrollments)

GET	/esc retrieve european student card recupera la european student card	 
DELETE	/esc Delete all Student data on the ESC-Router (and all student's cards) Cancella tutti i dati dello studente sul Router ESC (e tutte le carte dello studente)	 
POST	/esc/create request european student card richiedi la european student card	 

- For Grenoble UGA work in collaboration with Cap Monétique (a French company) which take care about the student card.
- The communication with the ESC-R pass by this company.
- About GPDR, UGA asks for consent from all students concerned before sending their data to the ESC-R router.

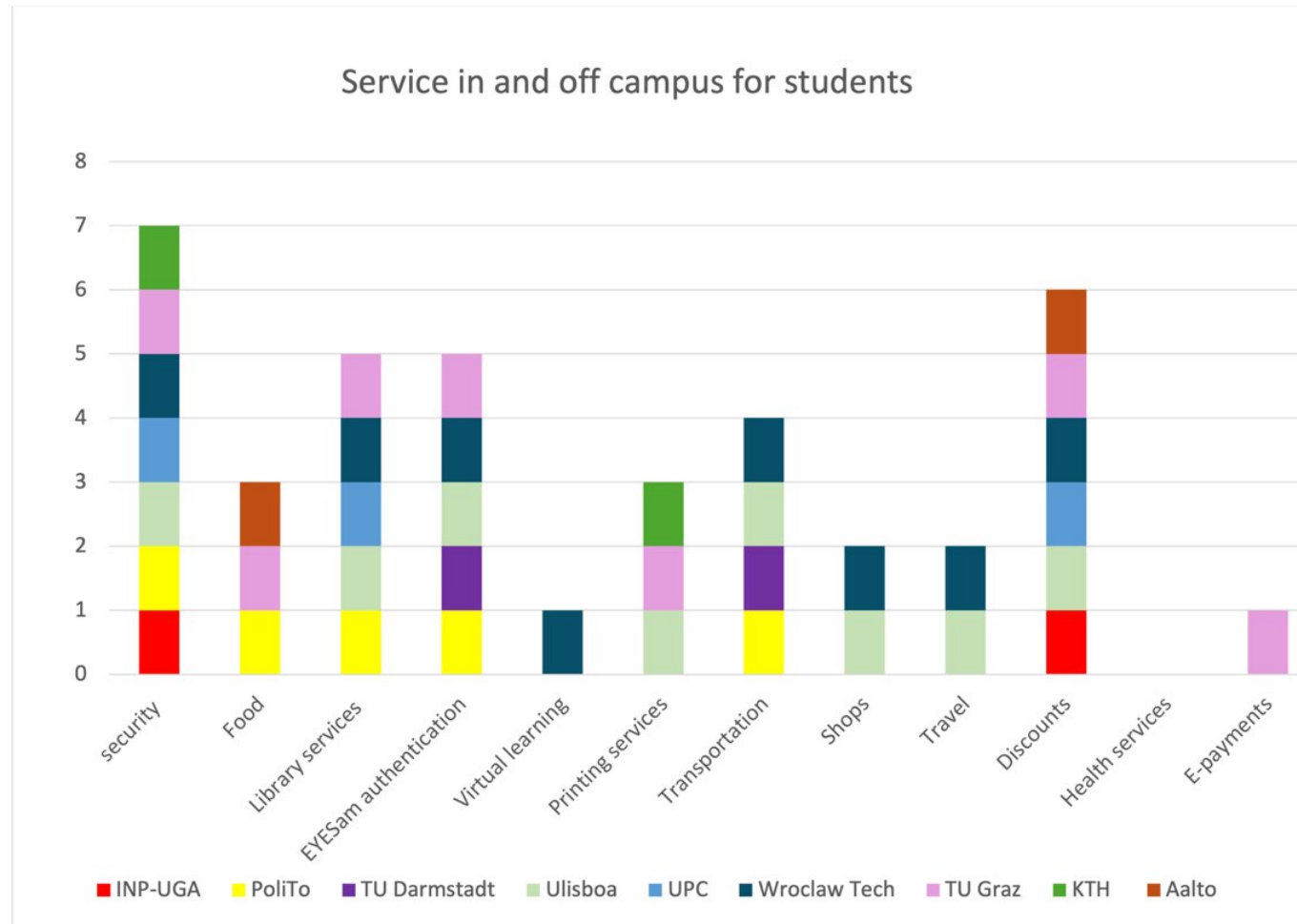


student with ESC card repartition in the 46 700 French student in the UGA

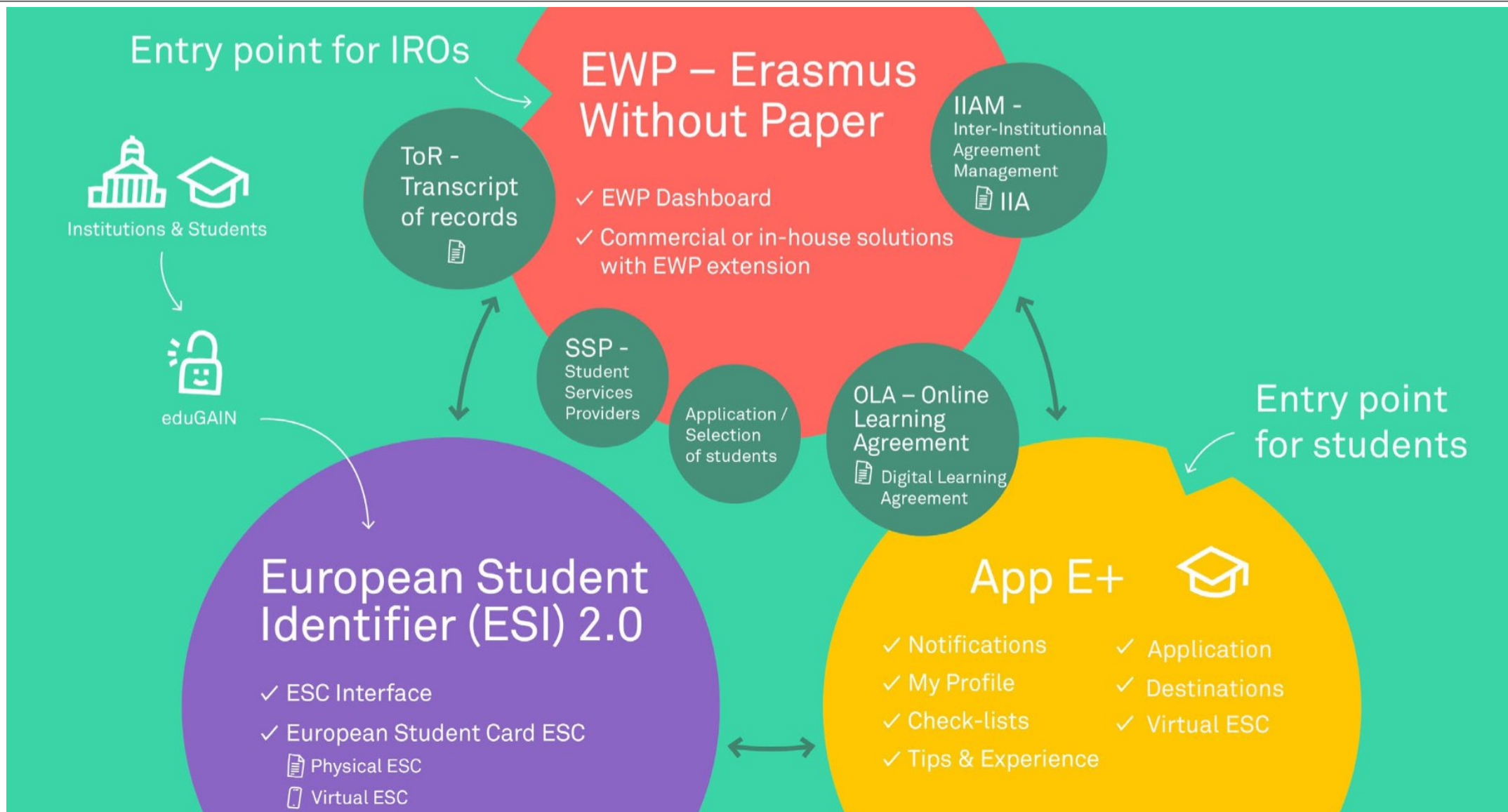
- ESC was intended to grant students universal access to a wide range of services :
 - The service offerings are not the responsibility of the universities
 - Each institution typically utilizes its own access technology for campus services
- Different process in each university :
 - Different card model (paper, Ecard, Vcard, plastic etc.)
 - Different distribution system (by the university or external association)
- ESC's limited value to exchange students :
 - Card from their host university

Challenges and Areas for Improvement

Example : The service offerings



Challenges and Areas for Improvement



The EWP development model has always encouraged participation to foster a collaborative development process.

The key events worth attending as EWP representatives or developers are:

- Infrastructure Forum meetings
One per month, discussions on network progress, emerging issues, and best practices.
- Technical workshops
One or two per year, discussions on major network changes.

European Student Card Initiative: Shaping student mobility beyond 2027 11 Jun 2026

<https://erasmus-plus.ec.europa.eu/european-student-card-initiative/events/shaping-student-mobility-beyond-2027>

REF: <https://esci-sd.atlassian.net/wiki/spaces/ITSC/pages/113999873/Infrastructure+Forum+and+technical+workshops>



Emerging guidelines

- **Stability**
It is essential to preserve the work already done on IIAs and LAs, avoiding architectural changes that would require further investment in systems that are already operational.
- **Cost and benefit**
Future changes must be justified by a cost-benefit analysis, as many universities have invested significant resources in their in-house systems.
- **Transition timelines**
Modifications, such as the transition to IIA API v7, require more time; even a 12-month transition cycle can be challenging for systems with deeply interconnected functionalities.



Emerging guidelines

- **Nomination**
Developers of in-house systems are open to implementing this functionality, but only if a sufficiently long usage period is guaranteed to justify the investment.
- **Governance**
It is crucial to maintain and enhance the multi-stakeholder approach, ensuring the involvement of both process owners and the technical community in shaping future solutions.
- **Infrastructure**
Most participants believe that the current infrastructure is sufficient to support the digitalization of mobility processes, although they remain open to exploring possible improvements.





Thank you for your attention

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