



JORNADAS VIRTUALES SOBRE DIGITALIZACIÓN DE ERASMUS+

SEPIE

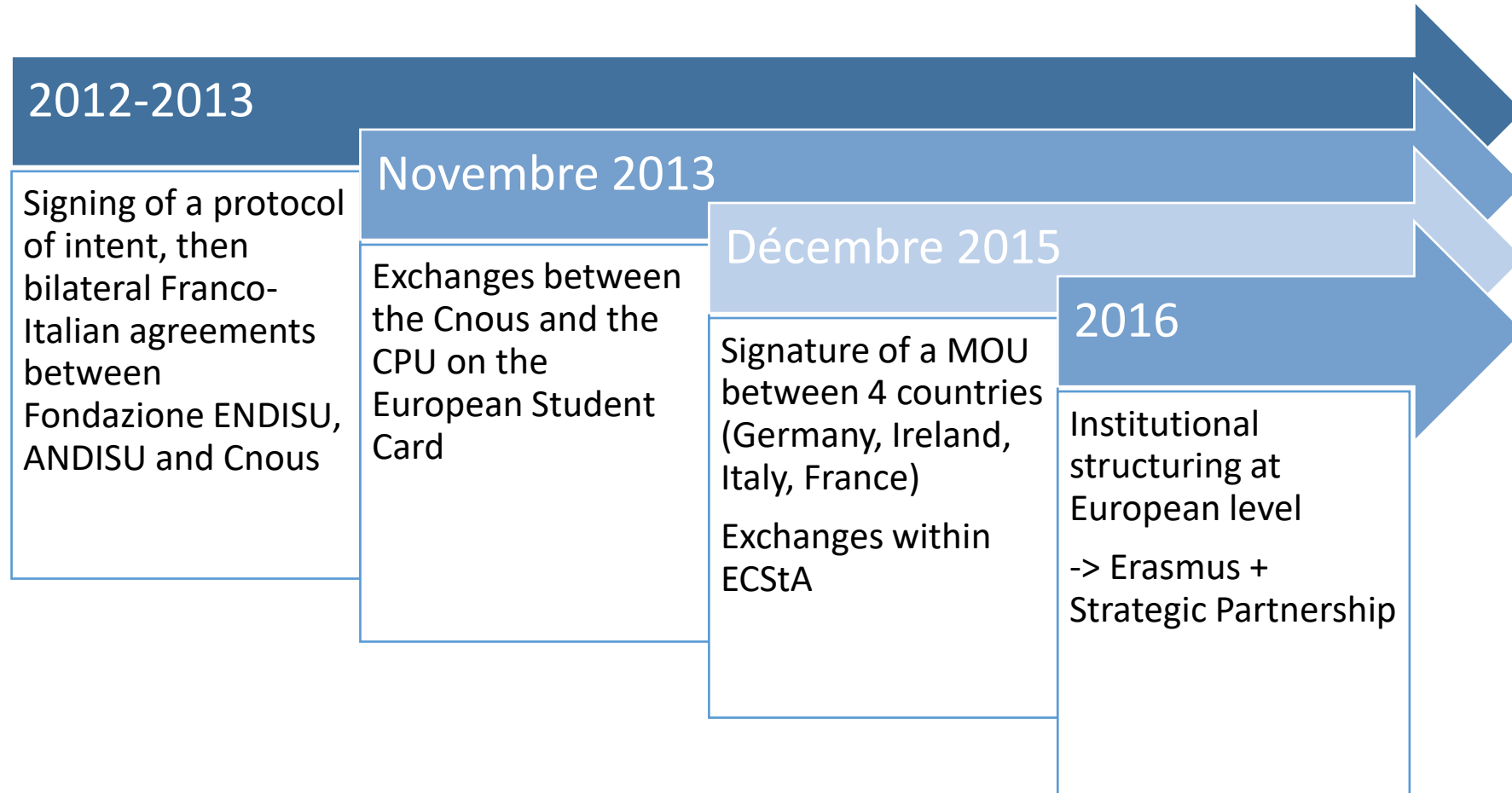
27 noviembre de 2020

The European student card project and the European student card initiative

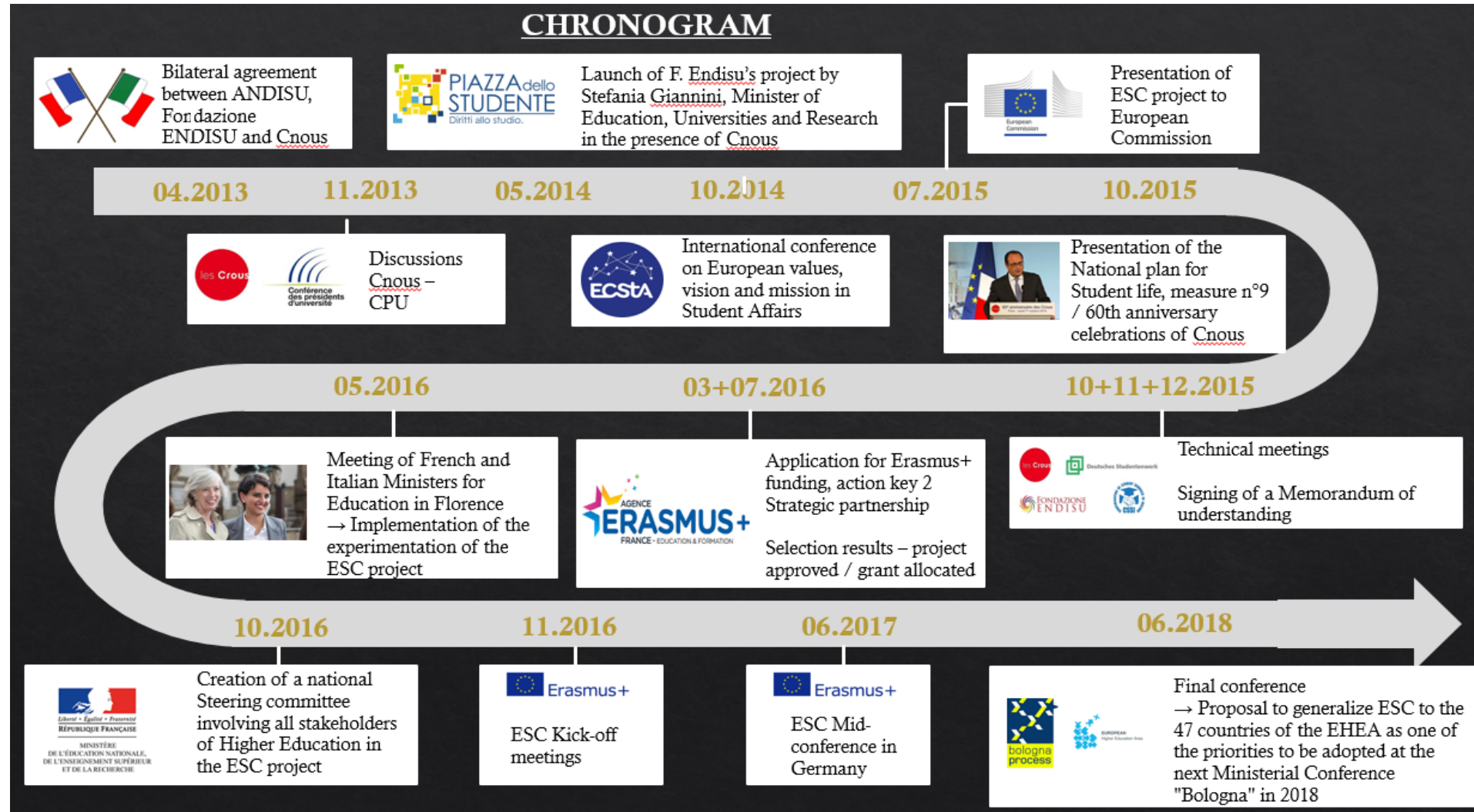
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History of the European student card



CHRONOGRAM





Political successes



A European Area of Education should include:

- [Making mobility a reality for all](#): by building on the positive experiences of the Erasmus+ programme and the European Solidarity Corps and expanding participation in them as well as by creating an **EU Student Card** to offer a new user-friendly way to store information on a person's academic records;

Ensure that all mobile students have an EU student eCard to facilitate their application to any school or university in the EU. ► Double the number of young people in the EU participating in Erasmus+ (from 3.7% to 7.5%), which will require a budget of EUR 29.4 billion for the period 2021-2027.

Strengthening European Identity through Education and Culture The Commission's Contribution to the **Leaders' Working Lunch**
Gothenburg, 17 November 2017
#FutureOfEurope #EURoad2Sibiu

MAKING MOBILITY A REALITY FOR ALL

Political successes



EMPOWERING
EHEA Paris 2018
EUROPE'S YOUTH

Conférence ministérielle européenne
pour l'enseignement supérieur



EUROPEAN
Higher Education Area

**We also note with interest the current “European student card”
EU pilot project,
which could potentially be broadened
to support and facilitate student mobility throughout the entire EHEA.**



Political successes

ROME, 2020: EMPHASIS ON THE SOCIAL DIMENSION AND DIGITAL IN EHEA

november 19, 2020, the Rome communique

WE ASK TO MAP THE EXISTING AND FIND NEW SOLUTIONS TO IMPROVE THE INTEROPERABILITY OF DIGITAL SYSTEMS AND THE EXCHANGE OF STUDENT AND INSTITUTION DATA IN FULL RESPECT OF CONFIDENTIALITY AND SECURITY, TAKING INTO ACCOUNT THE EXPERIENCES OF **THE INITIATIVE OF THE EUROPEAN STUDENT CARD** AND OTHER INITIATIVES ”.



Erasmus 2021-2027

Potential **tripling** of the budget to:

- Foster the European Education Area
- Support **higher volume of mobilities**
- Develop **European Universities**
- Achieve more **inclusion** and bigger impact

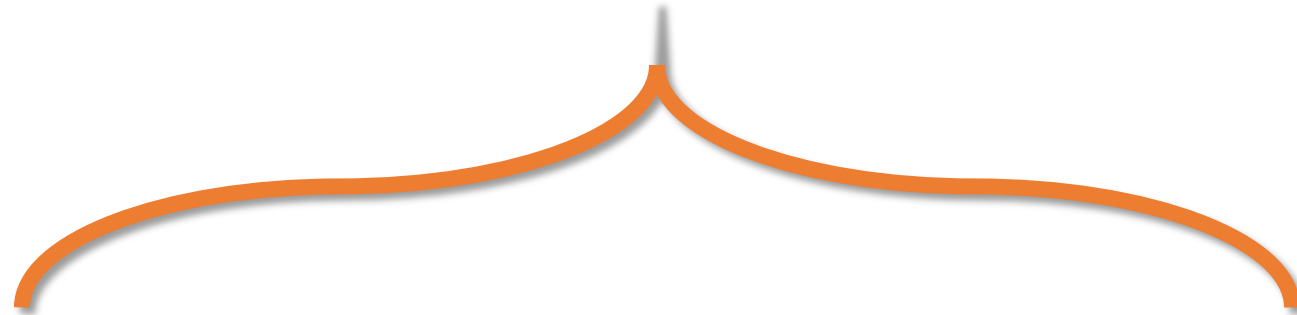


Principles



- By supporting bottom up projects that work together towards achieving the objectives of the initiative:
 - Single online entry point for higher education institutions
 - Single online entry point for students
 - Developing unique European student identifier and secure online authentication services
 - Turning existing student cards into European Student Cards

European Student Card Initiative



Digitalising student mobility administration processes to increase quality and enable more mobilities

Rolling out the “European Student Card” and enabling mobile students to gain access to campus and other services



Supporting bottom-up projects

- *Erasmus Without Paper*
 - Digitising administrative processes, secure data transfer between higher education institutions, and single entry point for administrators
- *Erasmus+ Mobile App*
 - Single entry point for students
- *MyAcademicID*
 - Developing unique student identity numbers and secure online authentication services
- *European Student Card project*
 - Turning existing student cards into European Student Cards



Erasmus+






- Specifying a new standard for unique European Student Identifier (ESI) numbers
- Developing system to enable students to securely identify and authenticate themselves online, linked to EU-wide eIDAS citizen online authentication service
- Enables universities to trust the student data sent from other institutions and by students themselves
- In France, builds on existing national student identifier scheme
- Final specifications due in spring 2020.

Roll out of the European student card initiative

**NO unified tools pack at this point
necessary parallel tools adoption**

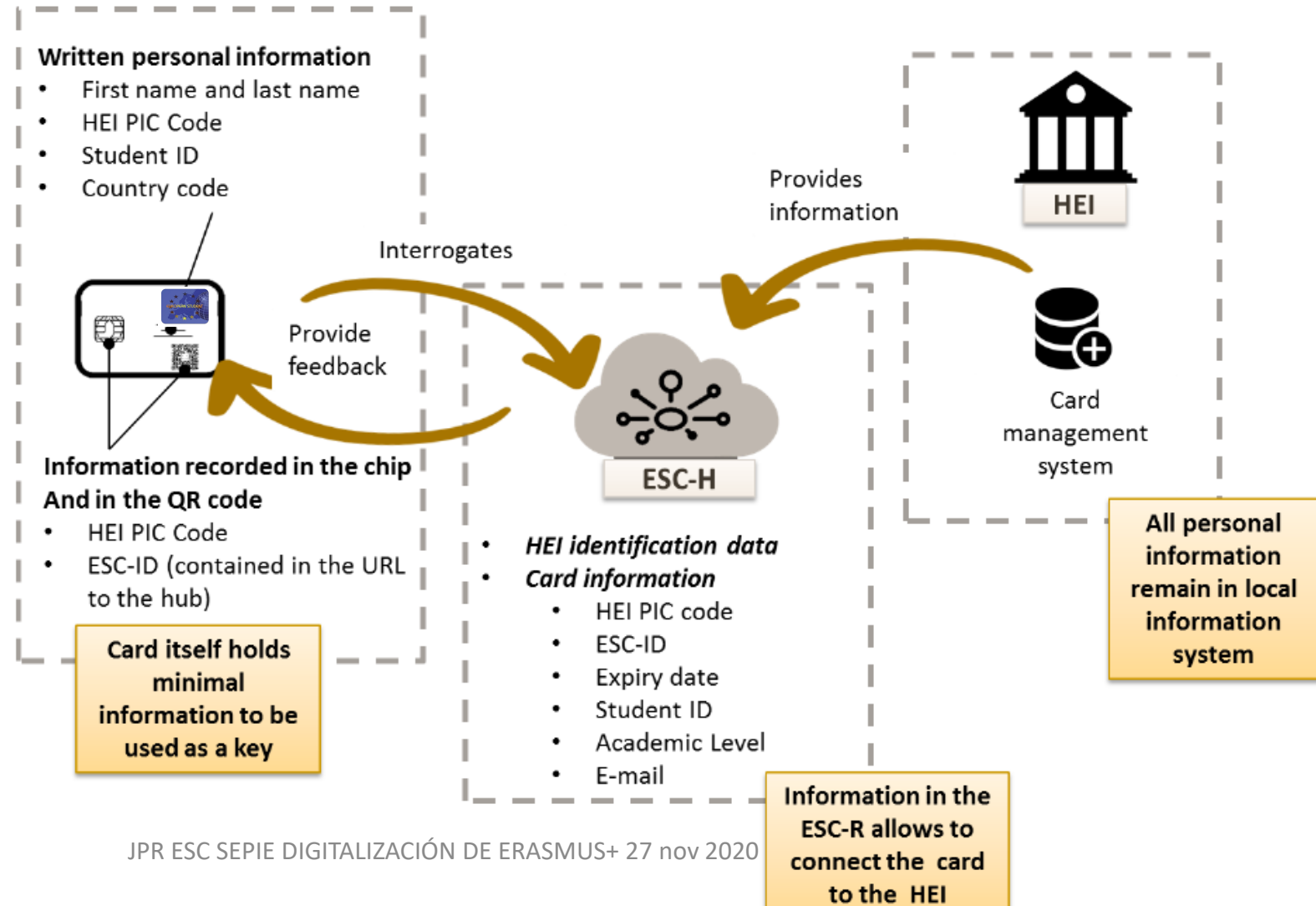


- **Tool box ESC: for information systems directors**
- **Dashboard and Erasmus+ tools: for IROs and IS**
- **My Academic ID, roll out via Identity federation: for information systems directors**

European student card



European Student card





European Student Card identifiers



- **ESI - European Student Identifier**

Country Code (ISO3166-1) + Institution Code + Local student number

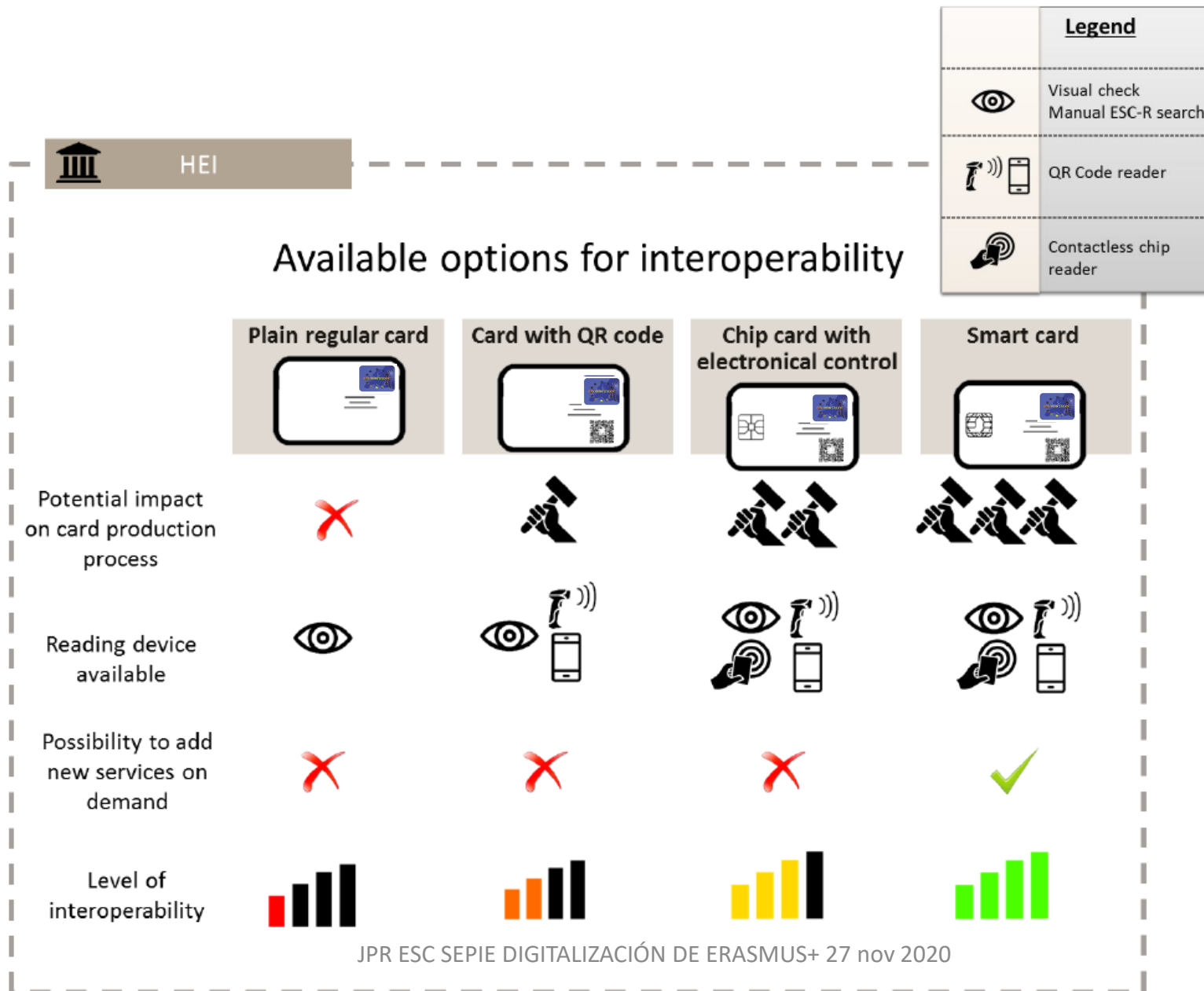
Example: FR-999859608-1234567890GESC�

- **ESCN - European Student Card Number**

- Local generation without connection required
- Uniqueness of algorithm guaranteed number (RFC-4122)
- Library available for .NET and Java
- Example: 6a01dfc0-cb98-1035-a19b-001999859608



Available option for interoperability



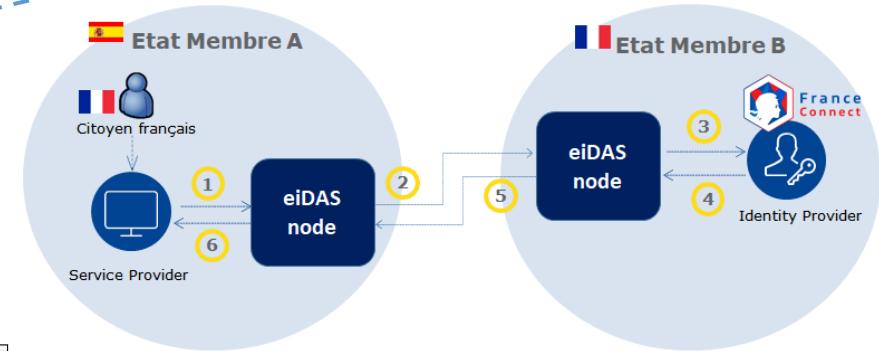
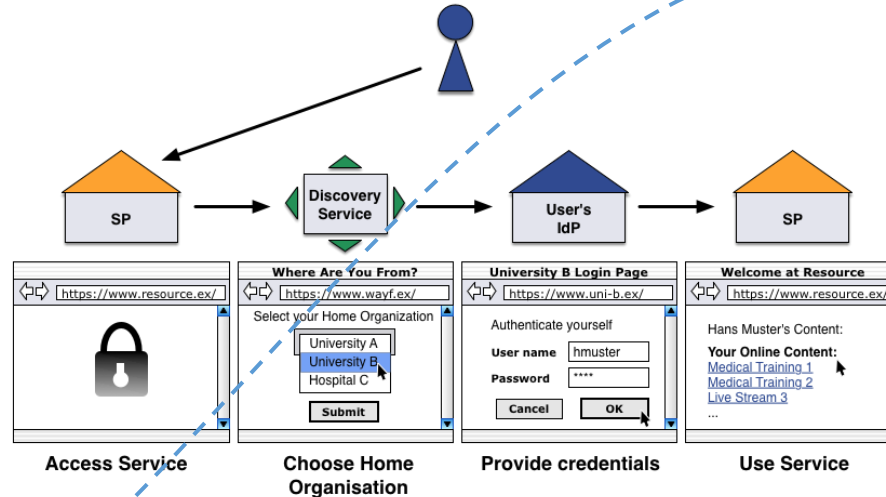
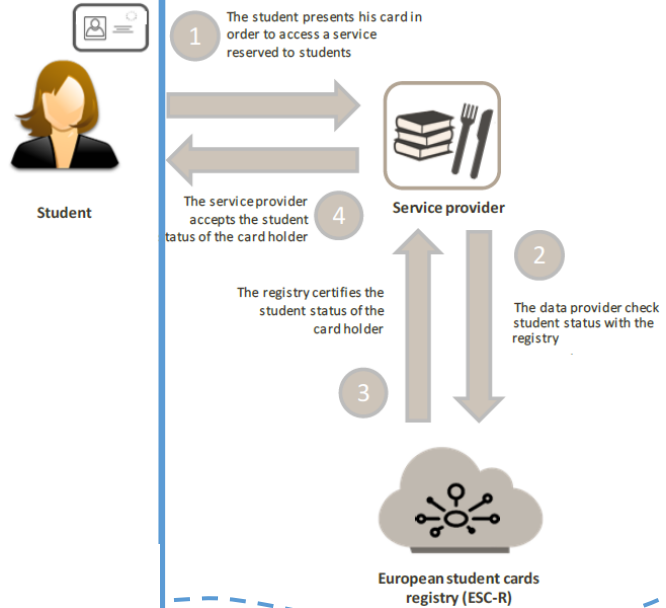
Identification et Authentification

Assurance

Complémentarité

eIDAS

eduGAIN



Identification

Authentication

European Student Identifier (ESI)

Un identifiant étudiant globalement unique :

➔ *En France basé sur l'identifiant national étudiant (INE) :*



European Student Identifier (ESI)

Pour les pays sans identifiant national :

➔ *Basé sur un identifiant local (établissement) :*





Université de Normandie

A large orange graphic with a pattern of white dots. The word 'Teo' is formed by black dots, and 'carte' is in white lowercase letters. The 'izly' logo is in the top left corner.

izly

Teo carte

Toutes les informations sur
www.normandie-univ.fr/teocarte

The logo for 'Crous Normandie' is a red circle with the text 'Crous Normandie' in white.The logo for 'Normandie' is a red shield with a yellow lion rampant and the text 'NORMANDIE' below it.The logo for 'Normandie Université' is a blue shield with a white cross and the text 'NORMANDIE UNIVERSITÉ' below it.The logo for 'EUROPEAN STUDENT' is a blue rectangle with a map of Europe and the text 'EUROPEAN STUDENT' in white.



University College Cork





CARTE D'ÉTUDIANT·E

BOOP

Betty
née le : 11/08/1983
N°Etudiant : 35006817
N°INE : 0JQT0Q00SK8



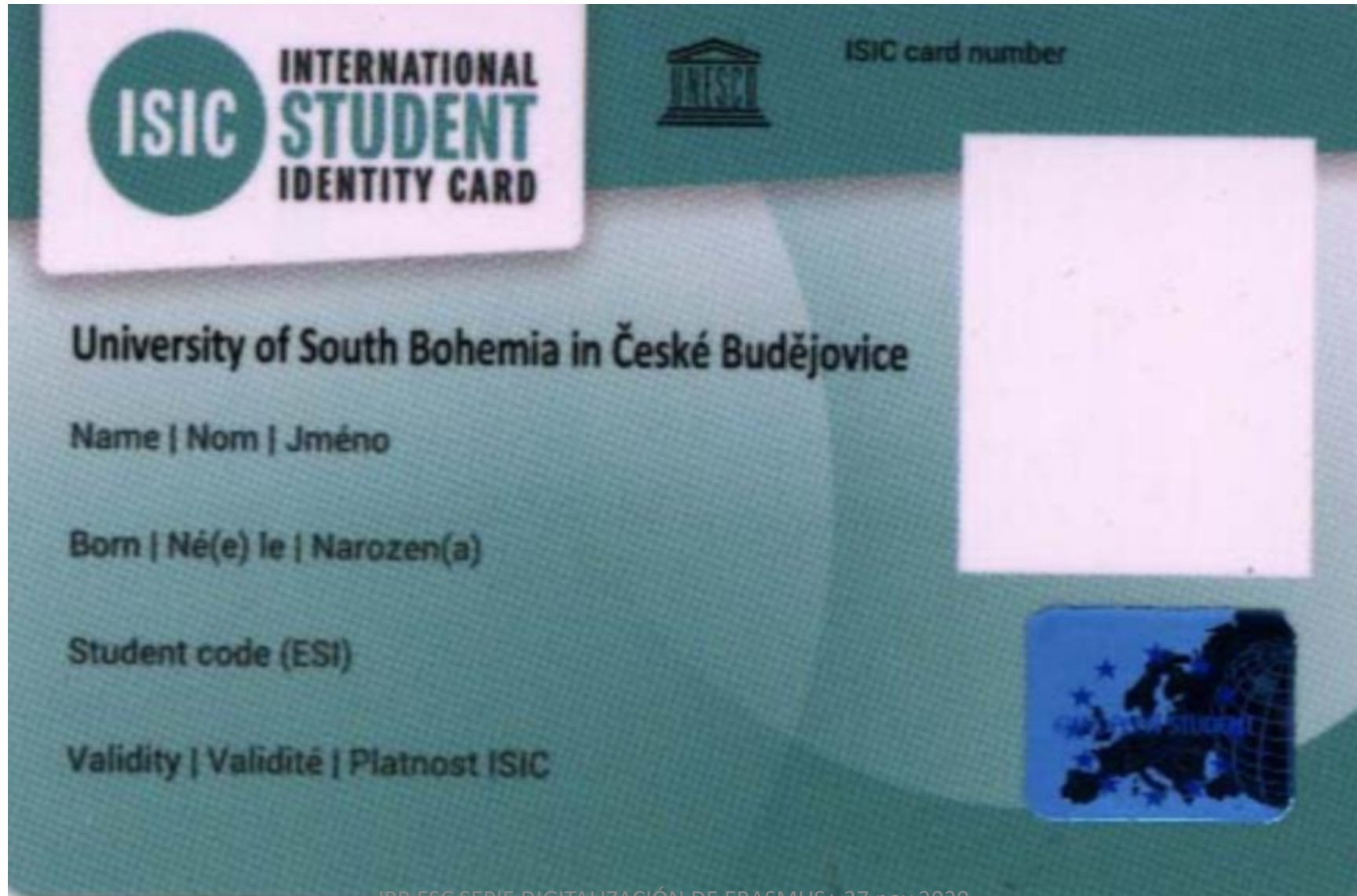
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University of South Bohemia





Karlsruhe Institute of Technology





Campus Card Berlin





Universidad de Malaga




UNIVERSIDAD DE MÁLAGA
Curso 2018/2019


Administración y Servicios



Válido hasta
30/09/2019

18:05:03
13/03/2019







VICTORIANO GIRALT
DNI: 24
NIU: 06



European Student Card





Personal Administración y Servicios

European Student Card simplifie... x European Student Card x +

router.europeanstudentcard.eu/home

ESC-ROUTER English

ESC

Users Management >

Institutions v

- Institutions list
- Add an institution
- Update my institution

Cards >

API >

Documentations v

- API Documentation
- ESCN Generator
- QRCode specifications

Holograms

Services

Write DEUINFO

Services >

Cards

JS chart by amCharts

Country	Institution	Percentage	Count
FRA	ESCN	49,27%	11 453
FRA	ESSE	31,72%	7 211
FRA	ESCT	1,01%	2 270
FRA	ESCP	7,00%	1 565
FRA	ESCE	1,02%	2 291
FRA	ESCA	0,00%	0
FRA	ESCS	0,00%	0
FRA	ESCB	0,00%	0
FRA	ESCD	0,00%	0
FRA	ESCF	0,00%	0
FRA	ESCG	0,00%	0
FRA	ESCH	0,00%	0
FRA	ESCI	0,00%	0
FRA	ESCL	0,00%	0
FRA	ESCM	0,00%	0
FRA	ESCN	0,00%	0
FRA	ESCO	0,00%	0
FRA	ESCP	0,00%	0
FRA	ESCR	0,00%	0
FRA	ESCS	0,00%	0
FRA	ESCT	0,00%	0
FRA	ESCU	0,00%	0
FRA	ESCV	0,00%	0
FRA	ESCW	0,00%	0
FRA	ESCX	0,00%	0
FRA	ESCY	0,00%	0
FRA	ESCZ	0,00%	0
FRA	ESCA	0,00%	0
FRA	ESCB	0,00%	0
FRA	ESCC	0,00%	0
FRA	ESCD	0,00%	0
FRA	ESCE	0,00%	0
FRA	ESCF	0,00%	0
FRA	ESCG	0,00%	0
FRA	ESCH	0,00%	0
FRA	ESCI	0,00%	0
FRA	ESCL	0,00%	0
FRA	ESCM	0,00%	0
FRA	ESCN	0,00%	0
FRA	ESCO	0,00%	0
FRA	ESCP	0,00%	0
FRA	ESCR	0,00%	0
FRA	ESCS	0,00%	0
FRA	ESCT	0,00%	0
FRA	ESCU	0,00%	0
FRA	ESCV	0,00%	0
FRA	ESCW	0,00%	0
FRA	ESCX	0,00%	0
FRA	ESCY	0,00%	0
FRA	ESCZ	0,00%	0
FRA	ESCA	0,00%	0
FRA	ESCB	0,00%	0
FRA	ESCC	0,00%	0
FRA	ESCD	0,00%	0
FRA	ESCE	0,00%	0
FRA	ESCF	0,00%	0
FRA	ESCG	0,00%	0
FRA	ESCH	0,00%	0
FRA	ESCI	0,00%	0
FRA	ESCL	0,00%	0
FRA	ESCM	0,00%	0
FRA	ESCN	0,00%	0
FRA	ESCO	0,00%	0
FRA	ESCP	0,00%	0
FRA	ESCR	0,00%	0
FRA	ESCS	0,00%	0
FRA	ESCT	0,00%	0
FRA	ESCU	0,00%	0
FRA	ESCV	0,00%	0
FRA	ESCW	0,00%	0
FRA	ESCX	0,00%	0
FRA	ESCY	0,00%	0
FRA	ESCZ	0,00%	0

Services

JS chart by amCharts

Service	Percentage	Count
Esigelec	50,00%	1
CNOUS	50,00%	1

Windows taskbar: Taper ici pour rechercher, 16, 72, W, P, 18:11, 14/11/2020, FRA, 25

22 countries – 250 institutions



- Albania 15
- Andorra 1
- Austria 1
- Belgium 10
- Bulgaria 1
- Cyprus 1
- Croatia 1
- Czech Republic 10
- Denmark 1
- Finland 2
- France 144
- Germany 20
- Greece 3
- Hungary 3
- Italy 16
- Ireland 2
- Latvia 1
- Luxemburg 3
- Portugal 10
- Romania 1
- Spain 3
- Sweden 1



National ESCI Users' group



Students cards use cases and services Steering group


Example of an ESC page on the university's website: <https://www.ucc.ie/en/esc/>



European Student Card



- Student Interface
- Convergence : allow to student to access their account with Edugain credential
- Authentication of **federation of identity**

-  **My academic ID**
- Dimension eIDAS : CEF program unded
- Off campus services, link between student eID and Citizen eID

Use cases

- Student centered
 - Seamless access to service with home card
 - Examples
 - ✓ Catering in university restaurants
 - ✓ Culture (contests, ticketing,...)
 - ✓ Izly, e payment system...
 - ✓ Badges access control
 - ✓ Libraries
 - Usages off campus
 - ✓ Public Transport
 - ✓ Pass culture
 - ✓ Sports...



Use cases



Services on lineVs Usage of the cards on site

- My academic ID on line services around Erasmus + use cases
- Data exchange between HEI
- Future: beyond Erasmus any on line service
- Infrastructure (DSI)
 - SSP
 - Students
- Next step: seamless access to services beyond diversity of cards technologies: EDSSI 2

Example : Normandie University

- Facilitate the arrival of international students
- Way to access the their accomodation.
- Link with booking center runned by Cnous-Crous

"Leokey" application

(a generic identifier for all our access control system) to be written on foreign cards.

- Use a solution to manage keys exchange mechanism (such as an extension of the ESC router) with an adapted security level
- Map our informations exchange between booking centres (CROUS), HEI (in Normandy but above all with Europeans partners) ...





Comité National
de la Carte Étudiant
et de ses Usages



National Committee for the Student Card and its Uses

website <https://www.cnceu.fr/>

- created in 2013 to contribute to the deployment of
- multiservice cards in higher education institutions,
 - European student card,
 - nationwide services such as Izly electronic payment
 - National public procurement
 - Opensource tools: CMS
 - Exchange of good practices
 - European cooperation



National ESCI Users' group



2020 October, 28-29 launch meeting

- **Build a shared representation of ESCI**
- **Promote operational implementation and support HEIs**
- **Roadmap**
 - ✓ **governance lobbying: make policy makers understand the issues**
 - ✓ **Internal lobbying: cooperation between university components**
Erasmus Dashboard
 - ✓ **ESI implementation guide**
 - ✓ **Student cards use cases and services**

**5 actions
5 task forces**



National ESCI Users' group



Students cards use cases and services Steering group

- ✓ European Universities Alliances
- ✓ Erasmus+ project of implementation of ESC

- ✓ EDUC EDUCARD
- ✓ EUGLOH work package
- ✓ EC2U
- ✓ UNITE
- ✓ SEA-EU

Multiple
ESC Roll out
initiatives

- ✓ EU Student Card Extension and Adoption - ESC-tension”

ESC TENSION
Capacity, Tools, Resources
and Learning for the
European Student Card

Co-funded by the
Erasmus+ Programme
of the European Union





National ESCI Users' group



Students cards use cases and services Steering group

**Cards /Services
internal groups
HEI**

- ✓ give visibility to the services developed
- ✓ define the priority services useful for reception
- ✓ define the priority services useful for attractiveness
- ✓ Internal dialogue between card management system and users
- ✓ create an ESC page on the university's website
- ✓ share best practices
- ✓ Dialogue with services providers off campus



Comité National
de la Carte Étudiant
et de ses Usages



Institutional structure: France



- Steering committee ESC-Fr



- Cnous : ESC Support
<esc.support@cnous.fr>



- <https://www.cnceu.fr/>



Comité National
de la Carte Étudiant
et de ses Usages

- Users' group, national erasmus + agency



- NREN: Renater



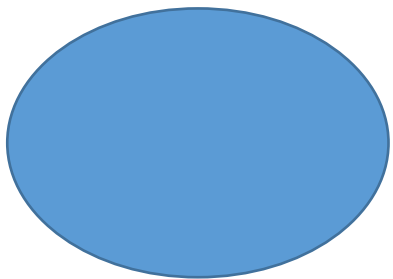


DEVELOPMENT OF SERVICES

My Academic ID

EDSSI

Beyond : e card and more services

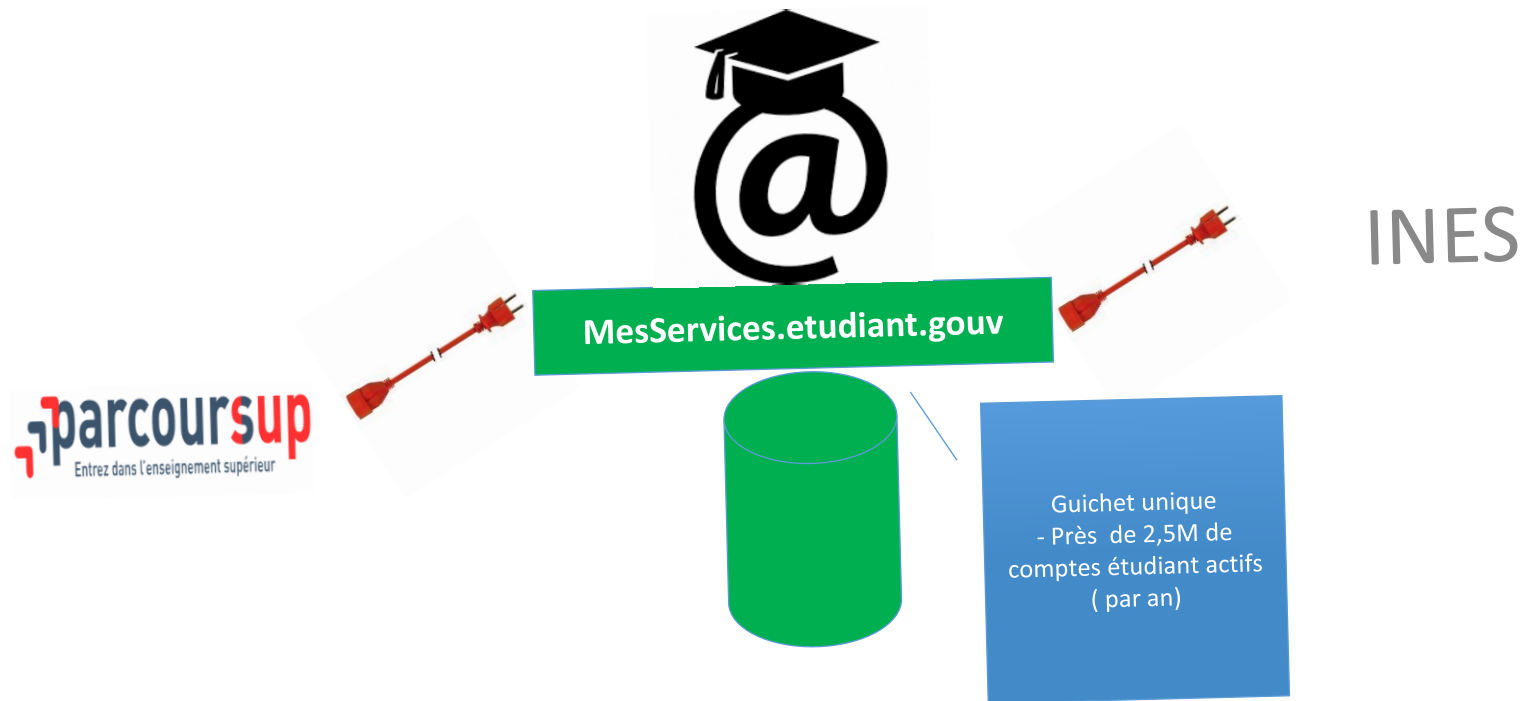




The digital transformation in France ; the essential services



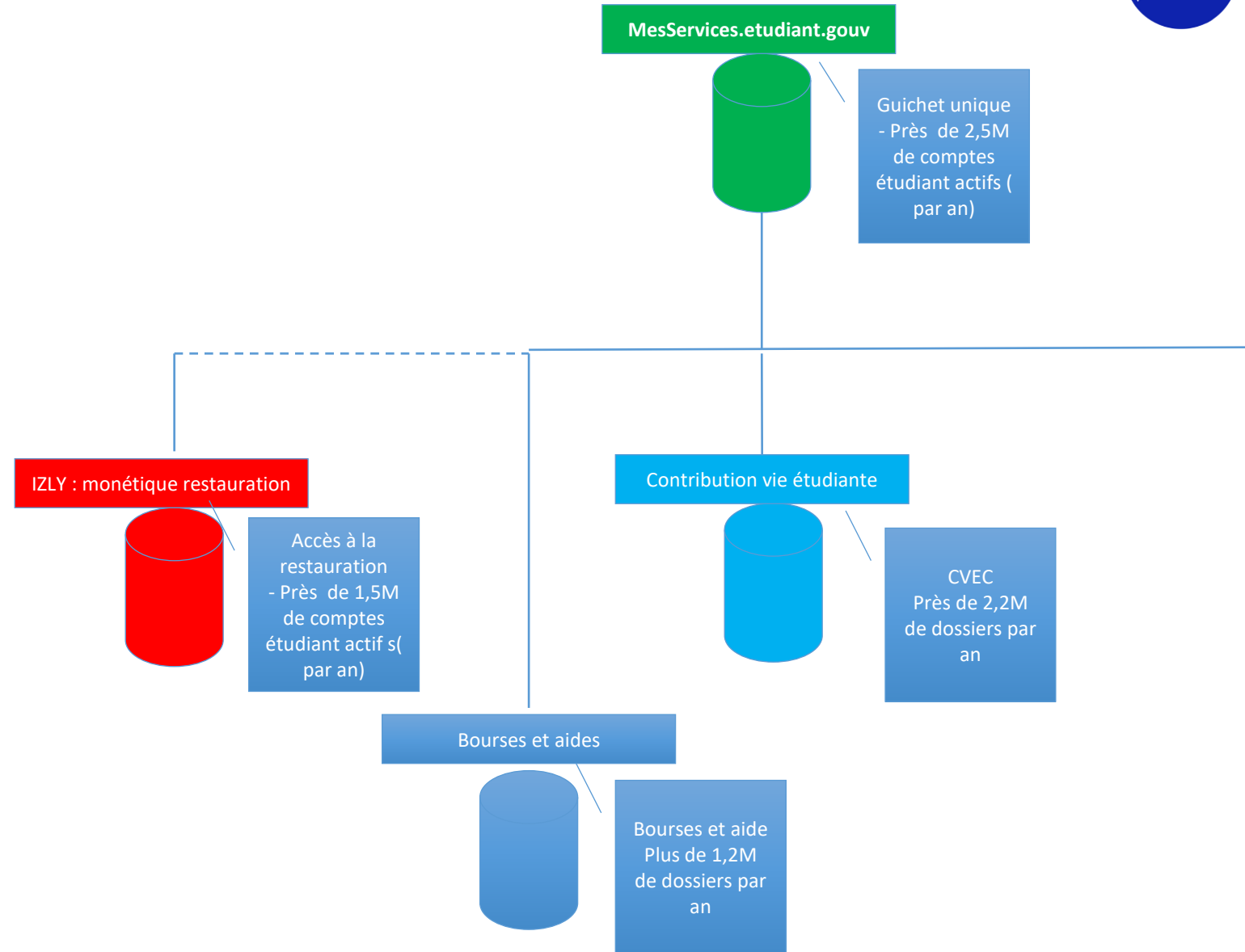
INE long life learning



- **Services integration platform for:**
 - **Recognition of the student along his career from high school to university**
 - **« once only principle » sustainability of informations to assert rights**
 - **integration of any new and its visibility for the students**
 - **Backing onto the portal <http://etudiant.gouv.fr>**



The digital transformation in France ; the essential services





The digital transformation in France ; the essential services



The digital transformation by Les Crous

Social equity

Simplification and efficiency of service

« digital native » users' culture

The single desk principle

mobility

Jobaviz

LoKAviz

Any SP from HE community

The screenshot displays the 'MyServices' portal for students. The main navigation bar includes 'étudiant.gouv.fr' and 'MyServices.etudiant.gouv.fr'. The interface is organized into several functional sections:

- REGISTER IN HIGHER EDUCATION:** Includes 'Parcoursup' (with 'Aide à la mobilité Parcoursup' and 'CVEEC' sub-options) and 'Demande de dossier social étudiant (DSE)'. 'CVEEC' is described as 'Contribution vie étudiante et de campus'.
- REQUEST A SCHOLARSHIP OR AID:** Includes 'Suivi du dossier social étudiant (DSE)', 'Simulateur de bourse', and 'Aide à la mobilité master'.
- TO FIND ACCOMMODATION:** Includes 'En résidence Crous', 'Campus Paris-Saclay', 'Chez un particulier', 'Bed & Crous bouger / voyager', and 'Visite Votre garant'.
- MANAGE YOUR HOUSING:** Includes 'CitéU'.
- ACCESS OTHER SERVICES:** Includes 'Trouver un job étudiant', 'Prendre RDV avec le Crous', 'Payer sur le campus', 'Trouver un resto' ou une résidence', 'Bons plans', 'humanroads Orientation sco & pro', 'La presse gratuite sur smartphone', 'MYTROC.fr Le troc simple, rapide et gratuit', and 'Concours Création étudiante'.

On the right side, there are three informational boxes:

- VIGILANCE ON YOUR PAYMENTS:** Advises users to remain vigilant about online payments, specifically regarding CVEEC payments, which must be made on the secure platform <https://cveec.etudiant.gouv.fr> and by no other channel.
- HOUSING APPLICATIONS 2019-2020:** States that the initial allocation is complete and does not apply to 'Campus Paris-Saclay'. It suggests logging in to find complementary offers.
- CHANGE OF INE:** Explains that if a user has already requested an EHR with an old INE, they must send their new INE and a proof of this identifier to their Crous for file modification.
- UNIQUE EMAIL ADDRESS:** States that one email address is per user (not per family) and explains that some files from Parcoursup cannot be created automatically in MesServices, requiring a unique email address change.
- CVEEC - CONTRIBUTION OF STUDENT LIFE AND CAMPUS:** A header for the CVEEC service.



The digital transformation in France ; the essential services



Booking center for accomodation

Agreement HEI – Crous
Accomodation available
University assigns room to student
Student accepts or refuses

Online process
electronic lease and appointment
setting for keys

The screenshot displays the Crous website interface for finding accommodation. At the top, there's a navigation bar with the Crous logo and the text 'Finding accommodation in a university residence'. Below this, a breadcrumb trail shows the user's path: 'You are here - Home > My accommodation Crous for this year > Find a home > Individual housing - CITE DE CUQUES'. The main content area features a large image of a modern, multi-story apartment building. Below the image, the 'ACCOMMODATION DETAILS' section is presented in a table-like format with a red 'Add to my selection' button. The details include: Area (18 to 19.7 m²), Beds (1 single bed), Type of cohabitation (Alone), Rent (358.5 C, with 100 C advance on royalty), Equipment (Toilets, Shower, Sink, plate, Fridge), Transport / Parking (Bus, Paying Urban Parking), Address (rue de Cuques - 13621 Aix en Provence cedex 01), and a description of the residence (near city center, Faculty of Economics, law school, university restaurant Les Gazelles). A note mentions that the accommodation is reserved for students with disabilities. Below the details, there's a section for 'OTHER ACCOMMODATIONS FROM CITE DE CUQUES' with a thumbnail for another room.

ACCOMMODATION DETAILS		Add to my selection
Area : from 18 to 19.7 m ²	Beds : 1 single bed	
Type of cohabitation : Alone	Rent : Only 358.5 C Advance on royalty : 100 C	
Equipment : Toilets, Shower, Sink + plate, Fridge	Transport / Parking : Bus, Paying Urban Parking	
Address : rue de Cuques - 13621 Aix en Provence cedex 01	Description : Accommodation reserved for students with DISABILITIES: motor, sensory, disabling diseases. The request for accommodation is subject to the return of the handicap file accessible via the Aix-Marseille CROUS website (Housing section, Disability tab).	
Description of the residence : Near the city center, the Faculty of Economics, law school, the university restaurant Les Gazelles		

OTHER ACCOMMODATIONS FROM CITE DE CUQUES

INDIVIDUAL HOUSING
CITE DE CUQUES (rue de Cuques - 13621 Aix en Provence cedex 01)

Area : 10 m ²	Beds : 1 single bed
Type of cohabitation : Alone	

recommendations

- CNCEU cooperation with card managers in other member states**
- Share good practices**
- Users group cooperation**
- Cooperation Erasmus NA with conferences of rectors**
- Share tools, communication kits, training modules**
- Specific webinar for European Universities**



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<https://europeanstudentcard.eu>