

# GRONINGEN DECLARATION NETWORK

Annual Meeting | Melbourne, Australia 2017

## Student Data Portability in Europe: Recent Trends

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Groningen  
Declaration

# Student data portability issues

- Definition
- Data involved
- Privacy
- Security

# Recent initiatives in Europe

- EIDAS (Regulation on electronic identification and signatures)
- European DG EAC Projects:
  - Erasmus without Paper (EWP)
  - EMREX
  - Online Learning Agreement (OLA)
  - European Student Card (ESC)
  - Erasmus App
  - Egracons

# Connecting Europe Facility

- The eIDAS Regulation is central to a number of building blocks, financed by the Connecting Europe Facility (CEF), based on identification and electronic transactions, namely CEF eID, CEF eSignature and CEF eDelivery.
- More than 20 European countries currently have eID systems in place
- The CEF eID building block helps public administrations and private online service providers to easily extend the use of their online services to citizens from other EU Member States

# 2017 CEF Telecom Call - eIdentification & eSignature (CEF-TC-2017-1)

eIDAS enabled Erasmus Student eCard: support the use of nationally issued eID for students' authentication across borders by promoting the uptake and use of the eID DSI amongst public and private sector entities. In addition, the objective is to support the integration of the eID DSI in existing e-service/system/online platforms in higher education sectors (e.g. such as universities) to facilitate the mobility of students in the European Union

# Student achievement data: several kinds

- Data used at the end of study cycle: credentials and diploma's for admission, recognition of qualifications, portfolios
- Exchange and certification of achievement
- Data to be exchanged while studying:
  - In Europe: ECTS see:  
[http://ec.europa.eu/dgs/education\\_culture/repository/education/library/publications/2015/ects-users-guide\\_en.pdf](http://ec.europa.eu/dgs/education_culture/repository/education/library/publications/2015/ects-users-guide_en.pdf)
  - Erasmus+
- Student-initiated versus HEI-initiated

# Additional data

- Course catalogue data
- Study fields (ISCED codes)
- Single institution school (in Europe those holding an ICHE number)
- Personal data
- Institutional data

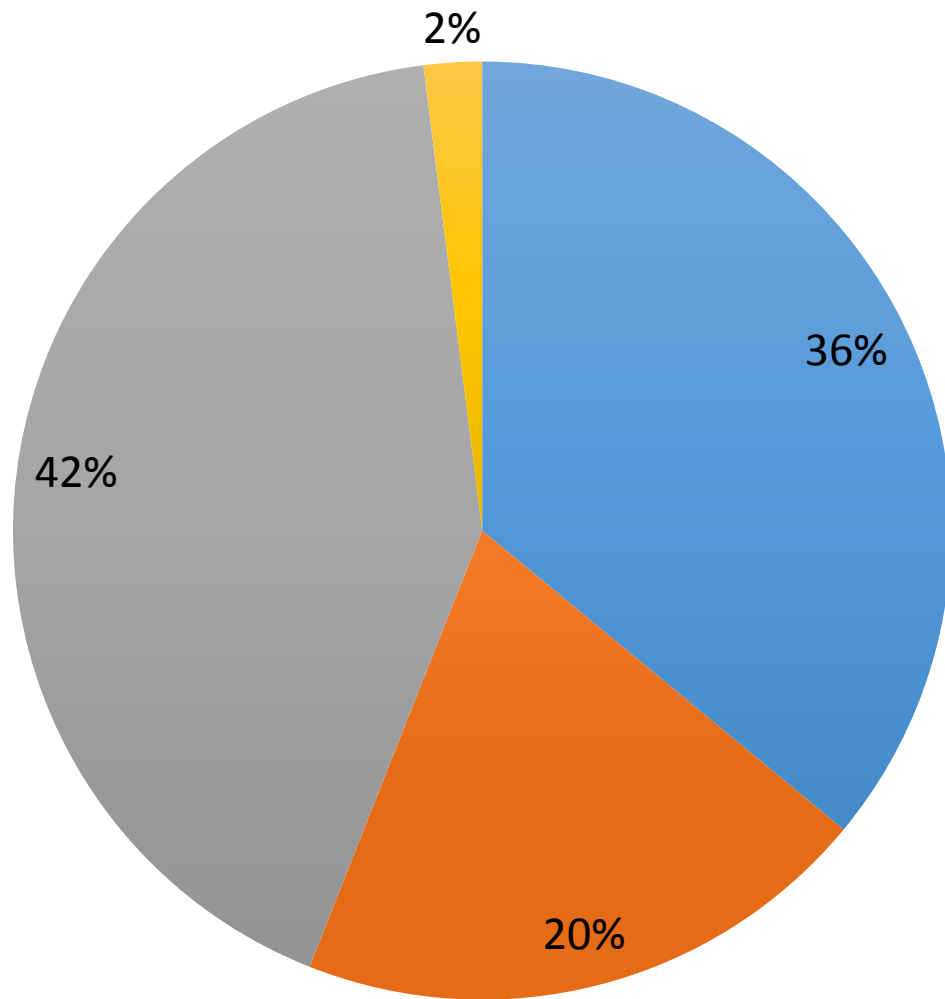
# Erasmus without paper



- Integrated communication network for HEIs
- Machine-readable data
- Connecting modules to SIS or Mobility systems
- Mostly public or semi-public providers
- Federation of trusted users
- Common data models



# Software in use



- SIS developed in-house
- commercial SIS
- no specific IT tools
- other

# What data?

- Data for Interinstitutional Agreements
- Keydata of HEIs
- Nominations
- Agreeing on Learning agreements (includes course catalogues)
- Host Transcripts of Records
- Home Transcripts of Records (including grade conversion)
- Arrival/Departure certificates etc ...
- Reporting Erasmus+ student data (Mobility Tool+)

# APIs: application programming interface

API specifications offer detailed descriptions on how a system can be hooked up to the network

Each HEI decides which APIs to implement in its own system (could be limited or gradual (step by step))

The list of APIs implemented by each HEI are available in the network registry (manifest files)

# APIs: what is already available?

- Echo/Discovery
- Institution
- Organisation
- Courses
- Interinstitutional agreements
- Mobilities (including nominations and Learning Agreements)
- Transcript of Records: in EWP it is HEI administration-initiated.
- Reference connector

# API specifications

API specifications for developers are available publicly:  
<http://developers.erasmuswithoutpaper.eu/>.

This is in essence a guideline for developers

All technical documents are hosted in a constantly updated separate GitHub repository: [github.com/erasmus-without-paper](https://github.com/erasmus-without-paper)

# The future of EWP?

- Follow-up project EWP 2.0 as of 1 November 2017
- Complete tasks currently under way
- Public Launch in December 2018
- EWP competence centre
- EWP Hub
- Open source repository of solutions
- Anticipating a thoroughly modern new architecture for the forthcoming Erasmus+ programme

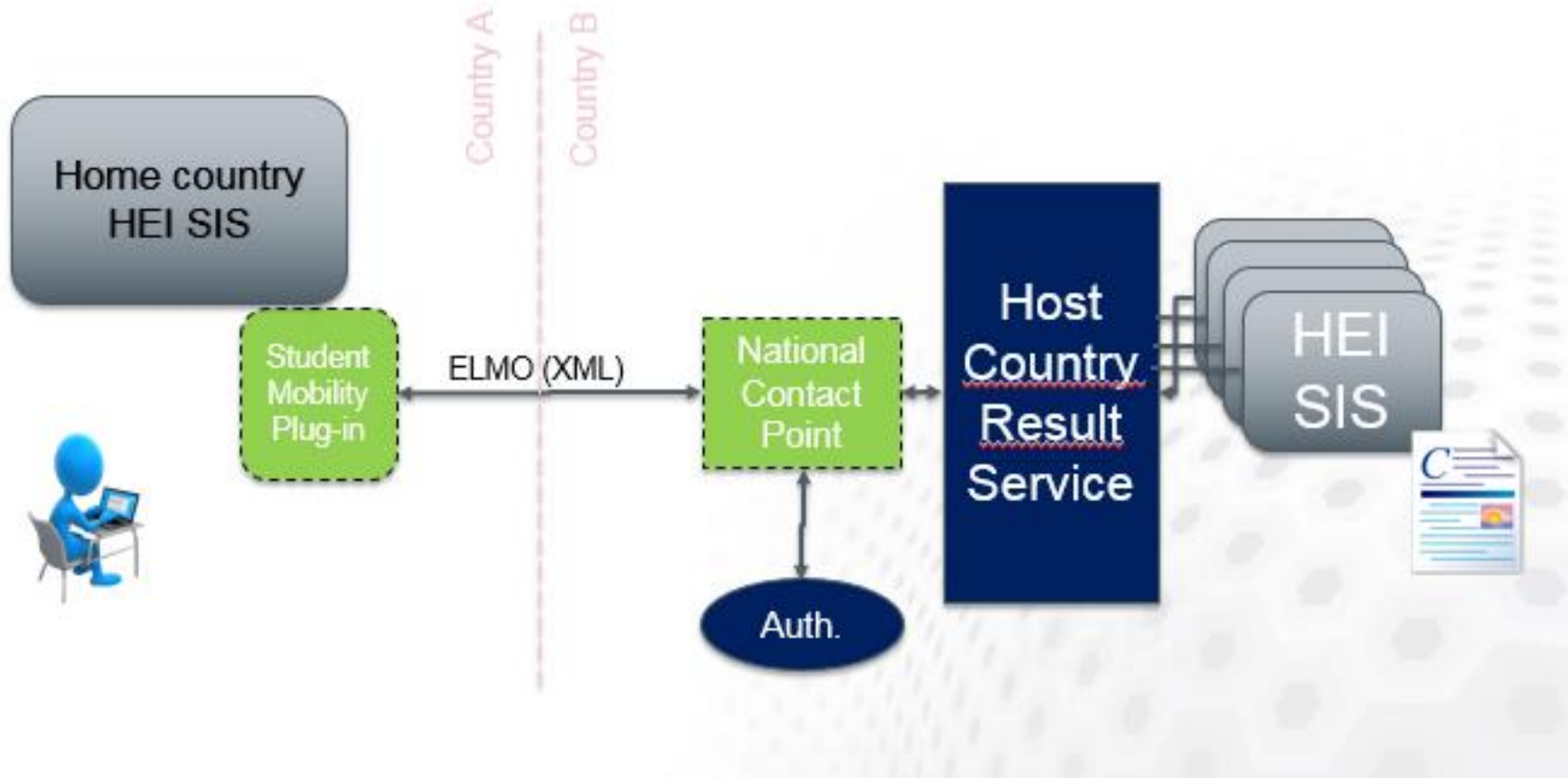


# EMREX



- electronic transfer of student achievement records between higher education institutions in Europe
- Student-initiated
- EU Erasmus+ project (2015-2017) Ministry level initiative
- Recognition of previous studies
- Electronic and secure transfer of student data between HEIs
- Field trial and evaluation of impact
- Partners from Denmark, Finland, Italy, Norway, Poland, Sweden

# EMREX flowchart





# The future of EMREX

- EMREX 2.0 project application
- Admission system in Norway, Sweden to come
- Internal mobility in Poland and Finland
- Collaboration with EWP: registry and data models
- Supporting new processes
  - Admission process
  - Credential evaluation
  - Verification of student status for student loans
  - Degree certification for employers

# Online Learning Agreement



- An online tool that allows mobile students to prep sign their learning agreements online
- Allows students to liaise with the coordinators of sending and receiving higher education institutions to finalise the document, approve and sign it online
- More than 150 HEIs are using it now – 1000+ students tested the beta version



# The future of OLA

- Follow-up project applied for
- Close collaboration with EWP
- Part of EWP Hub
- Integration with Erasmus+ App
- Collaboration with NAs

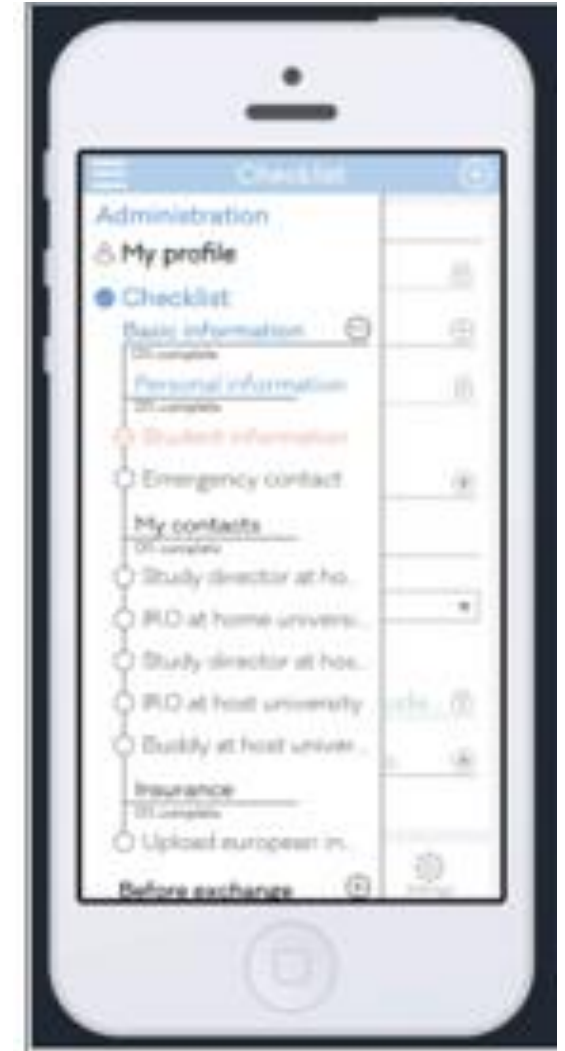


# The European Student Card

- Creation of online platform that allows the validation of existing student IDs (physical or otherwise)
- Uses: give access to services as diverse as library use, student restaurants, copy machines, or local transportation – one card for different services and all this with cross-border functionality
- Use of eIDAS and the exchange of data over the EWP network is being investigated (see 2017 CEF Telecom Call)

# Erasmus+ App

- An app for all Erasmus+ mobility participants to enhance their experience abroad
- Guide mobility participants through mobility process
- To be launched in June by the European Commissioner



# Specifications of Erasmus+ App

- Structured information about Erasmus+ programme and mobility opportunities
- Top tips for living abroad
- Events and activities feed
- Interactive step by step guides and OLA connection
- Emergency notifications/protocol
- OLS connection
- City specific information about living abroad
- Geolocation and multilingual framework
- Advanced functionality for studies (e.g. document upload)

# Egracons grade conversion

Italy	18	19	20	21	22	23	24	25	26	27	28	29	30	30 cum laude
Belgium	10	11	12	13	14	15	16	17	18	19	20			
Netherlands	6	7	8	9	10									
Spain	5,00 - 5,49	5,50 - 5,99	6,00 - 6,49	6,50 - 6,99	7,00 - 7,49	7,50 - 7,99	8,00 - 8,49	8,50 - 8,99	9,00 - 9,49	9,50 - 10,0				
Norway	E	D	C	B	A									
UK	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-100		
Germany	5	6	7	8	9	10	11	12	13	14	15			

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# Use of distribution tables

**Italy** (*Users' Guide ECTS 2009*, p. 43) :

18	19	20	21	22	23	24	25	26	27	28	29	30	30 lode
6.9%	1.9%	5.7%	2.3%	6.0%	2.7%	11.3%	8.2%	9.0%	11.8%	12.3%	0.5%	15.7%	5.7%
100*	93,1	91,2	85,5	83,2	77,2	74,5	63,2	55	46	34,2	21,9	21,4	5,7

**France** (table Université de Rouen, all disciplines, all levels)

10	11	12	13	14	15	16	17	18	19	20
34.79%	18.59%	18.45%	12.05%	9.46%	3.65%	2.30%	0.43%	0.22%	0.06%	0%
100	65,21	46,62	28,17	16,12	6,66	3,01	0,71	0,28	0,06	0

\*Accumulated percentage in red

27 in Italy becomes 12 in France



# Making a query

GRADING TABLE	Grading Scale Number -> If more than 1 scale copy and add this line as needed				4	3,7	3,3	3	2,7	2,3	2	1,7	1,3	1
Row Number	CYCLE (MA or BA)	DEGREE TITLE IN ENGLISH	ISCED	TOTAL_MARKS										
1	BA	Bachelor of Science Business Administration	0413	17024	682	826	1055	1477	1859	2385	2810	2551	2047	1332
2	MA	Master of Science Mannheim Master in Management	0413	11208	197	331	554	765	1027	1408	1693	1946	2058	1229

# Future of Egracons

- To be included in EWP 2.0
- 2 versions: online stand alone and peer-to-peer server exchange

# Conclusions

- The digital single market in Europe is taking shape
- In education this process is somewhat slower but undeniable.
- Now with the 2017 Telmecon call the first step towards Higher Education has been made
- With eIDAS, Security and privacy concerns are reduced, as citizens and businesses can use their own national eIDs to access services on-line

# Websites

- EWP: <https://www.erasmuswithoutpaper.eu/>
- OLA: <https://learning-agreement.eu/>
- EMREX: <http://emrex.eu/>
- ESC : <http://europeanstudentcard.eu/>
- Erasmus+ App: <http://uni-foundation.eu/european-university-foundation/projects/erasmus-app>
- Egracons: <http://egracons.eu>

Q&A

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Thank you for your attention

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