World's Smoothest Cross-Border Mobility and Daily Life Through Digitalisation

Seminar 12-13 October 2022, Helsinki



WORKSHOP

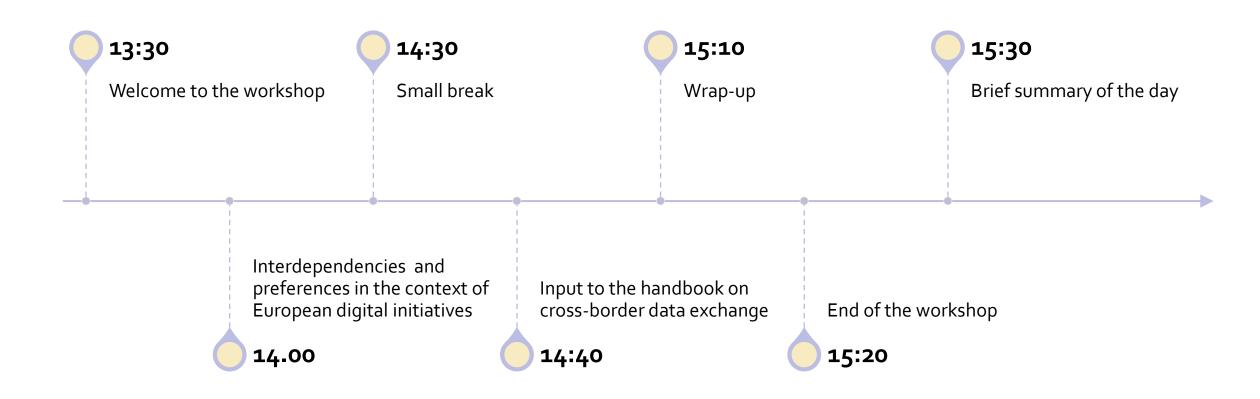
WP1: Studying in another Nordic-Baltic Country (CBDS-Study)

13 October 2022





Workshop agenda 13.30–15.30 (WP1)



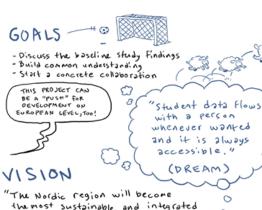


Workshop Goals

- Discuss interdependencies and preferences in the context of European digital initiatives, e.g. SDG, EUDI Wallet, DC4EU
- 2. Give input to the handbook on crossborder data exchange
- 3. Enable cooperation at a deeper level between Nordic and Baltic partners



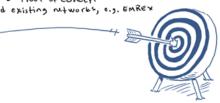




the most sustainable and integrated region in the world in 2030."

2021-24 PROJECT AIMS

- . Identify obstacels and create recommendations
- . Build a Proof of concept
- · Expand existing retworks, e.g. EMREX



STUDY DATA AVAILABLE (Upper Secondary)

- + Machine readable
- Pescriptive information in English

FMREX TRANSFERS



EMREX.eu &

Finland

EMREX Service

- -> WHAT? Decentralized system used for transferring study credits internationally
- -> Utilizes the ELMO XML schema
- -> 2 (+1) system components:
 - . EMREX client EMC
 - · Data access point EMP (EMREG)

EXAMPLE : EMREX EMP IN FINIDAD

- uses notional VIRTA student information database
- Student is in control of data
- Most data is Finnish HEI's

COMMENTS & QUESTIONS

- . what about countries that are not in the system? - we would need data converters
- · In Norway we use EMREX for job recruitment (200 million NOK saved yearly) (20 million €)



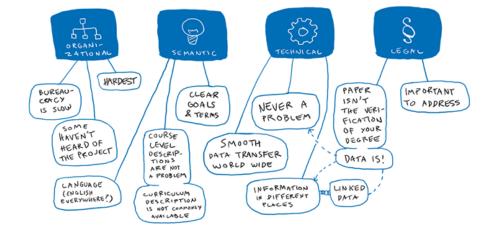
USE CASE SCENARIO

- 1. Learner applies for studies through the application system
- 2. Learner shares their previous study record data by using an electronic data exchange solution
- -> The youth is three times more capable of using these services -> They are also impatient and need to be motivated

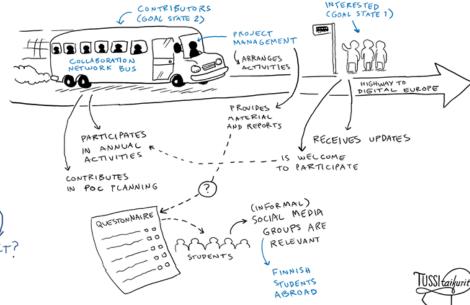


ROUND TABLE DISCUSSION

WHICH SECTION OF THE EIF SHOULD WE PUT THE MOST EFFORT TO 2



EXPECTATIONS FOR FUTURE COLLABORATION





THE GOOD EXPERIENCES WITH EMREX IN NORWAY." EU - WIDE TOOLS AFE COLLABORATION. NEEDED . GERMANY IS A BIG USER OF EMREX

EVERY NEW MEMBER COUNTRY "LOTS OF ADDED TO EMREX ADD VALUE PROJECTS TO THE SYSTEM." ESTONIA IS

GOING ON . TRIPLE! EXIST? STU PENT e.s. IDENTO-EDSSI FIER (Frasmus without Utalian extended) SEVERAL ID'S

HOW TO ATTRACT?

A VERY POTENTIAL

≯(ALSO ⊅ENMARK)

ADDITION TO

EMREX !

CLARIFY THE ANOMALIES - -

ME KNOW WHAT WE DON'T J KNOW!

"STATISTICS WERE INTERESTING. "



Studying in another Nordic-Baltic country (CBDS-Study) in a nutshell

Name: The project is called Studying in another Nordic-Baltic country (CBDS-Study). It's also a part of Finland's presidency project of the Nordic Council of Ministers.

Goal: The project aims to fluent student record data exchange between the Nordic and Baltic countries by improving interoperability of existing digital systems and data.

Use case example: For example, when a person moves from Estonia to Sweden, she/he can transfer her/his study records electronically and in machine-readable format from an Estonian HEI to a Swedish HEI.

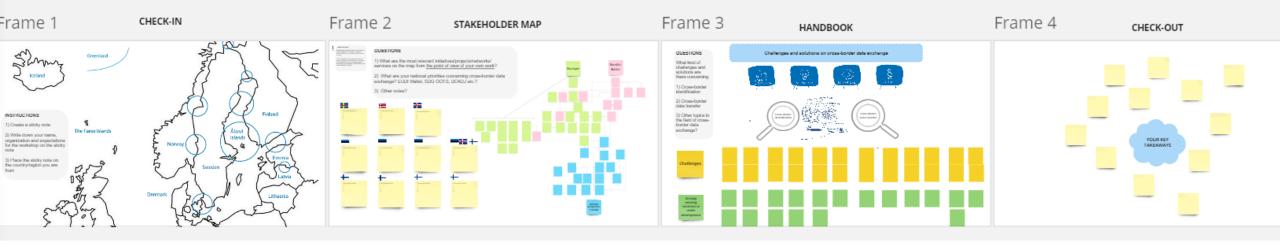
Currently in progress:

- Working on interdependencies e.g. SDG, EUDI Wallet, DC4EU
- Creating a handbook on cross-border data exchange
- Expanding a good practice called EMREX data exchange solution.
- Investigating machine translation possibilities in descriptive student record data e.g. learning outcomes/objectives.
- Cost-benefit analysis



An overview of working with the MIRO board





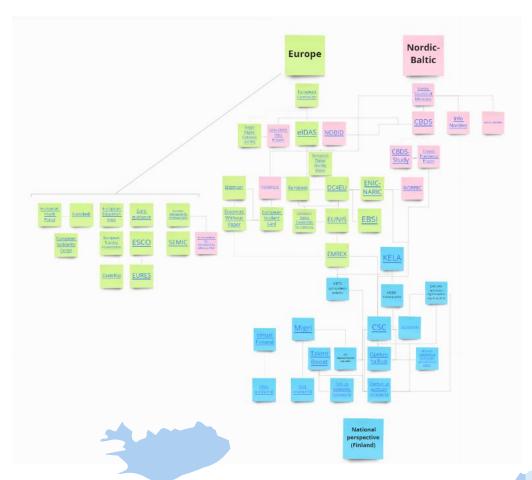


Interdependencies and preferences in the context of European digital initiatives





Stakeholders Map (Miro)



- 1) What are the most relevant initiatives/ projects/ networks/services on the map from the point of view of your own work?
- 2) What are your national priorities concerning cross-border data exchange? EUDI Wallet, SDG OOTS, DC4EU etc.?
- 3) Other notes?



Input to the handbook on cross-border data exchange









Organizational interoperability refers to the way in which public administrations align their business processes, responsibilities and expectations to achieve commonly agreed and mutually beneficial goals



Technical interoperability factors cover the applications and infrastructures linking systems and services



Semantic interoperability ensures that the precise format and meaning of exchanged data and information is preserved and understood throughout exchanges between parties



Legal

Legal interoperability is about ensuring that organizations operating under different legal frameworks, policies and strategies are able to work together

Factors slowing, constraining, or preventing cross-border data access and exchange

- Differences in school systems between countries
- Motivation for change and willingness to put money and effort into joint solutions varies between countries
- Existing and outdated organizational processes and structures in countries do not support automated solutions cross-border data exchange
- Autonomous information management inside countries, responsibility is spread and uncertain

- Different levels of digital maturity
- Different systems, data models, formats, solutions, database structures
- Digital data does not exist or is not in machine-readable format
- No technical knowledge

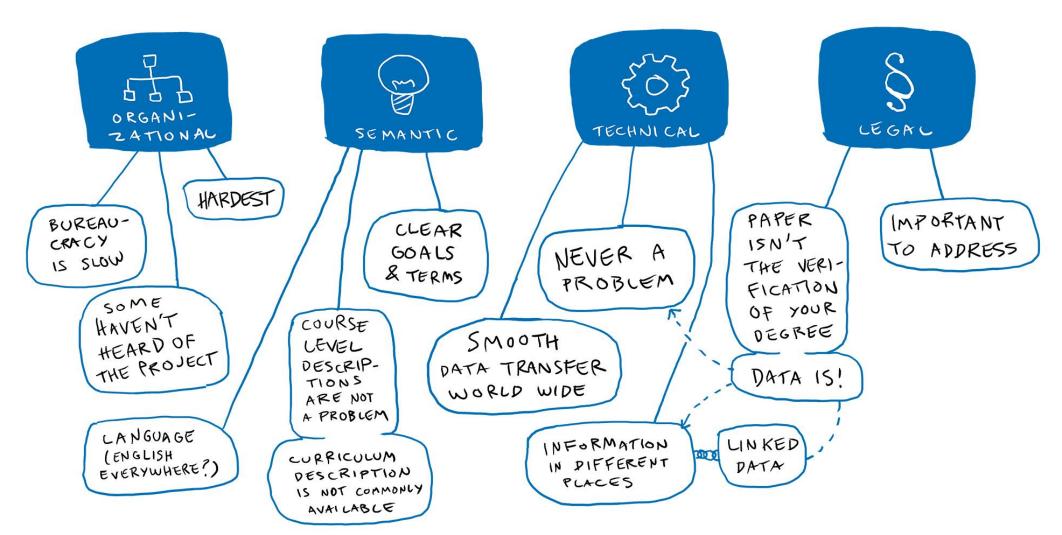
- Lack of understanding other Nordic and Baltic languages
- Lack of translations
- Lack of shared vocabulary
- Lack of agreed formats and standards
- Lack of descriptive data
- Different concepts and meanings

- Regulations that limit data transfer
- Regulations that define ownership of the data
- Need for changes in legislations
- Different recognition of qualifications



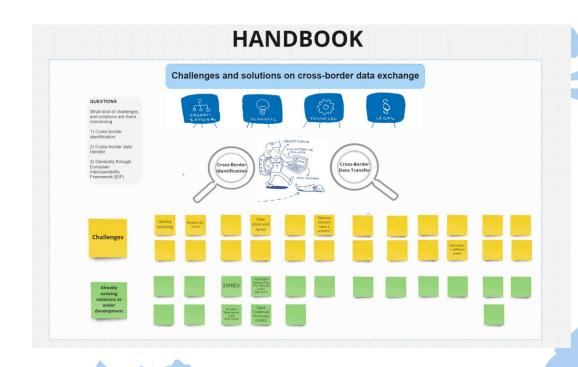
ROUND TABLE DISCUSSION

WHICH SECTION OF THE EIF SHOULD WE PUT THE MOST EFFORT TO ?





Handbook on Cross-Border Data Exchange (Miro)



What kind of challenges and solutions are there concerning

- 1) Cross-border identification
- 2) Cross-border data transfer
- 3) Other topics in the field of cross-border data exchange?



Achieving the World's Smoothest Cross-Border Mobility and Daily Life Through Digitalisation

WP 1/13.10.2022



- snaring status updates & info

- identify common copabilities

- create clear goals





Next Steps

- We will continue investigating the expansion of already existing networks e.g. EMREX
- The feasibility of machine translation will be studied in 2022, and it will also be examined which machine translation tools could be useful in the translation of study record data e.g. learning outcomes (<u>read more here</u>).
- Cost-benefit analysis





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Thank you!

