Worldclass education? Interoperability is key!
Enhancing education infrastructure and learner mobility through NRENs

Evelien Renders, SURF
Dragana Kupres, CARNET
Why interoperability?
Why map internationally?

The European University Foundation aims to accelerate the modernisation of the European Higher Education Area. The Foundation focuses its action on five pillars and it stands for diversity and social fairness in Higher Education.
European Universities Initiative

European Student ID

Digital Education Action Plan

CEF

EDSSS

Micro credentials

Green education

Digital education

Teachers, trainers and school leaders

European Education Area VISIE

The EEA in the world

Improving quality

European Union

EQUF

ECTS

Groningen Declaration

W3C

European Campus Card Association

ESL

MyAcademicID

Erasmus+ for programmes in education, training, youth and sport

Erasmus without paper

Mext

EUF

ERIC-NARIC.net

ERNIS
EU level adoption example for HEI to the EIF model
Top 3 challenges student mobility

- a student's journey doesn’t stop at the walls of the campus
- we waste public money, brainpower, and expertise by investing in point solutions
- fragmentation hinders a seamless student journey and hinders innovation.
October 2022: Clear to-do list

- Organize all relevant parties and responsibility
- Come up with a clear common vision
- Invest in all aspects of interoperability
Why Europe, why NRENs?

- Europe has shown its strength in collaboration and joint agreements.
- The European educational sector proved to be able to set a common agenda.
- European universities have a strong tradition of collaboration.
- Strong community of education institutions
What are we working on?
Some European interoperability working groups

**Interoperability Group**
- 20 people | EU
- All educational sectors, but focus on higher ed (EUI)

**Think Tank**
- 17 people | EU focus
- Ecosystem focus

**NRENs for Edu-pilot**
- Proposal being discussed right now
- 8 NRENs involved
Workshop Interoperability November 2023 for European Digital Education Hub in Berlin
Gathering feedback

1. Concept
2. Process of gathering feedback
3. Content
4. Follow-up steps
5. Ownership
If necessary, delete the existing icon by using the 'Backspace key'. Go to the tab 'Slidebuilder' and click on the button 'Icons'.

Select the preferred category and icon and click on 'Insert'.

Drag the icon to the preferred position on the slide. To give the icon a different colour, go to the tab 'Drawing Tools' - 'Format' and click on 'Shape Fill'.
GÉANT TF-EDU: edu services 2023 survey findings
**TF EDU surveys 2019-2023**

Edu services =
- services for teaching and learning
- services for administration of education institutions
NRENs offering edu services

Data source: TF-EDU survey 2019-2023
Graph: Jasna Tingle
Edu services maturity level

Data source: TF-EDU survey 2023

Graph: Jasna Tingle
Number of edu services provided and in development / by NREN

Data source: TF-EDU survey 2023

Graph: Daniel Wustenberg
Who is working on what?
EduXS data model

- Work in progress
- see [www.EduXS.eu](http://www.EduXS.eu) for a link to the database and wireframe
Recognition of results

25 more Challenges

Organisations

Projects

Tools

Standards

Reports

Edubadges

EWP+  Project

Traditional management of Erasmus+ mobility can be a cumbersome, complex and costly process for higher education institutions (HEIs). The Erasmus Without... Read more

Compare

Comparing 1 product

EWP+

Compare

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Example: For admission of students - OOAPI, eduAPI, OCCAPI

See overview about OOAPI: [https://airtable.com/shrwuS10Fdxkiih2Z](https://airtable.com/shrwuS10Fdxkiih2Z)
• Sectorwide?
  • Key stakeholders
  • Role of European Commission

• Governance?
  • Technical platform
  • Content maintenance
  • Funding
Timeline EduXS

• April – June 2023:
  • EduXS.eu data model
  • Data solidification
  • Views for Edustandaard, Edu-V and Npuls

• August – September 2023:
  • Public views accessible via www.eduxs.eu
  • Private views shared with specific people
  • September onwards….

• Governance? Funding? Review cycle?
Narrative around interoperability
Why is interoperability key?

SURF programme international interoperability for education. Together with graphic designer, Dirma Janse.

⚠ NOT PUBLIC YET - DO NOT SHARE ⚠

Current iteration, comments in Miro are welcome!

https://miro.com/app/board/uXjVMIto1Sc=/?share_link_id=314293571174

Background - first iteration of sketches:

https://miro.com/app/board/uXjVMLZfmw8=/?share_link_id=602890035855

Visualisatie: Dirma Janse, in opdracht van SURF
Thank you
Any questions?