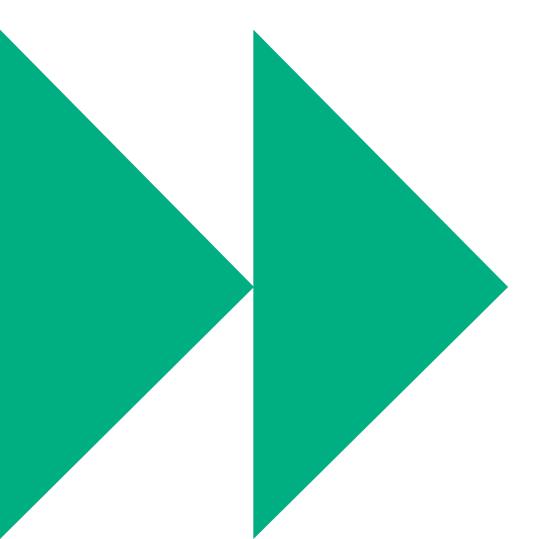


Internationale samenwerking voor standaarden

27 May 2024





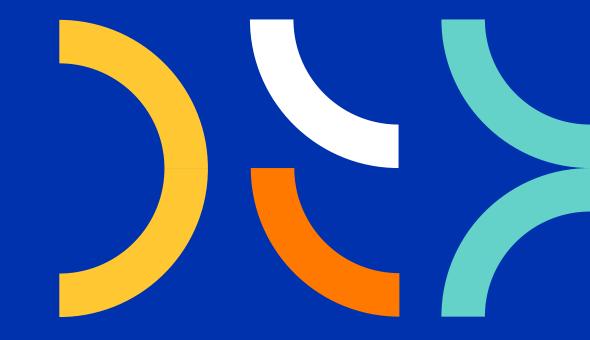
- Update Europese interoperability initiative (EDEH)
- 2. Update EduXS project
- 3. Welke overzichten hebben prioriteit?



Higher Education Interoperability Framework

June 2024

EUROPEAN
DIGITAL
EDUCATION
HUB

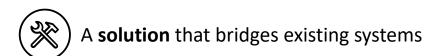


Bridging interoperability





Many **different** standards, systems and technologies



... let's take this to higher education

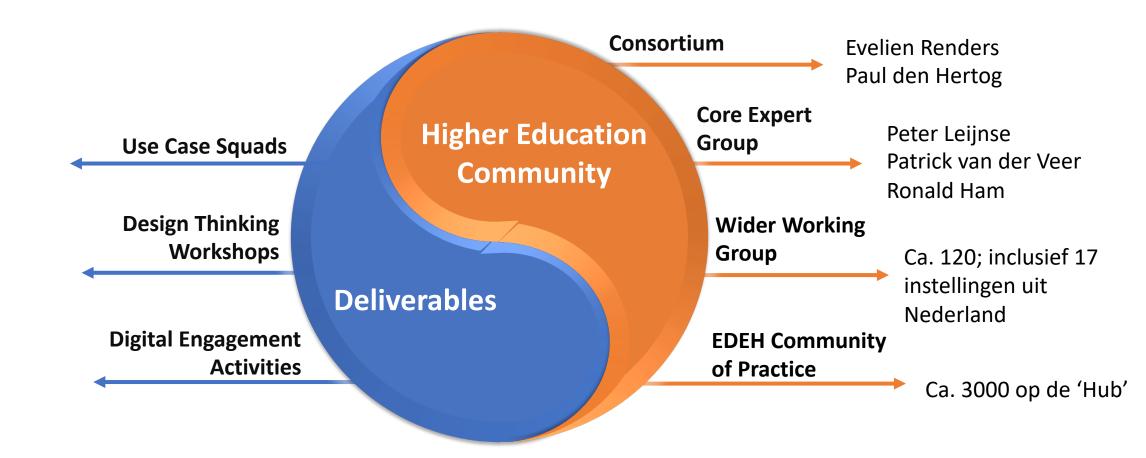


60 EUAs with more than **500** higher education institutions, which use their <u>own</u> or <u>other</u> systems...

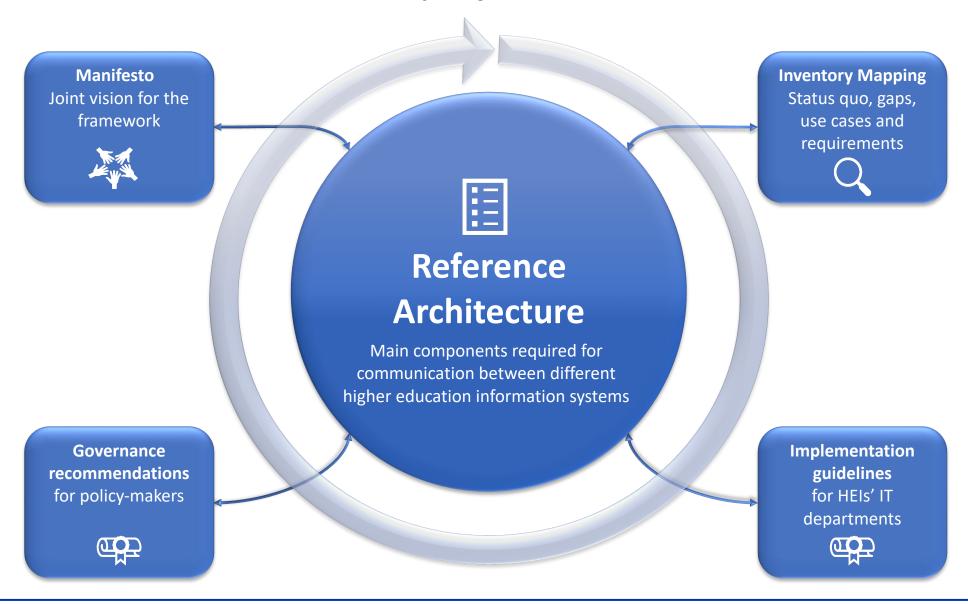
A standardised Framework to create a more interconnected, efficient, and inclusive European higher education landscape



Our approach to design the framework



What the project will deliver



An initiative of

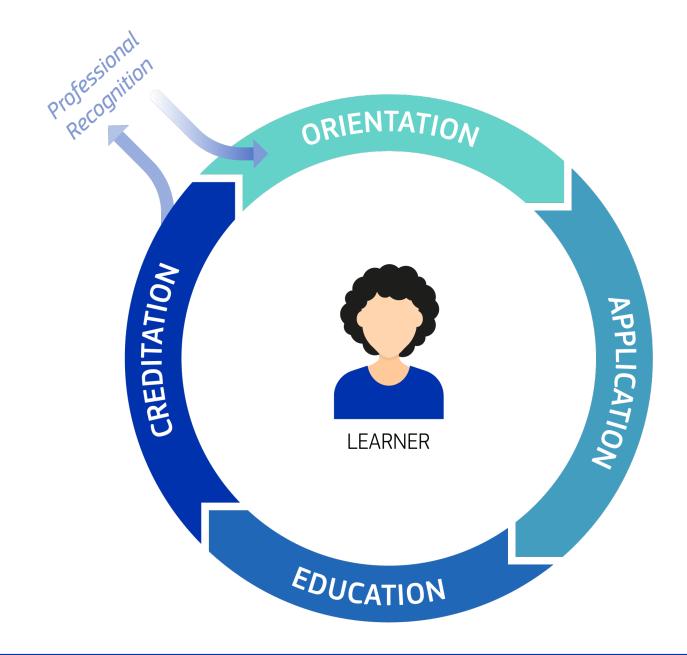
One learner Nine institutions

Meet Sam





Sam's learner's Journey



LEGEND

- Learner journey
- Enabling processes
- Use case (and phase it is associated with)
- Supporting use case (is not associated with a particular phase)
- Institution layer



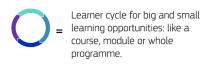
Learner cycle for big and small learning opportunities: like a course, module or whole programme.







- Learner journey
- Enabling processes
- Use case (and phase it is associated with)
- Supporting use case (is not associated with a particular phase)
- Institution layer



USE CASE 1

Discover



Enhancing the visibility and comparability of diverse learning and mobility opportunities across HEIs, emphasising the importance of machine-readable metadata for easy comparison and discovery.

CMS (website)

Course catalogue

Curriculum management

ORIENTATION





LEGEND

- Learner journey
- Enabling processes
- Use case (and phase it is associated with)
- Supporting use case (is not associated with a particular phase)
- Institution layer



USE CASE 2

Apply & get recognition



Simplifying credit recognition and cross-institutional enrolment, emphasising seamless data exchange to support all forms of learner mobility and academic continuity.

Admissions

Recognition

APPLICATION

Gedential assessment

ADMISSION & ENROLMENT

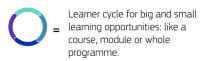
EMORNER

* IT & Admission





- Learner journey
- Enabling processes
- Use case (and phase it is associated with)
- Supporting use case (is not associated with a particular phase)
- Institution layer



EDUCATION

USE CASE 3

Access tools



Streamlining the procurement, management, and governance of shared resources among alliance members, covering both physical and virtual assets.

Laboratory access Library systems

USE CASE **5**

Generate data



Establishing a standardised approach for the exchange of learners' activity data to ensure a seamless integration of various virtual learning environments.

General

Generate educational resources



Promoting the accessibility and mobility of educational materials, fostering a collaborative and accessible educational environment.

Content generation Sharing

HUB

Produce data

Access tools

LEARNING

& TEACHING

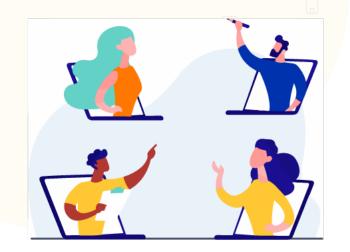
EDUCATION

Access tools

LEARNING & TEACHING

USE CASE 3

Access tools



Streamlining the procurement, management, and governance of shared resources among alliance members, covering both physical and virtual assets.

Laboratory access

Library systems

Research tool registry

EUROPEAN
DIGITAL
EDUCATION
HUB





General Servers



Generate educational resources



Promoting the accessibility and mobility of educational materials, fostering a collaborative and accessible educational environment.

Content generation

Sharing

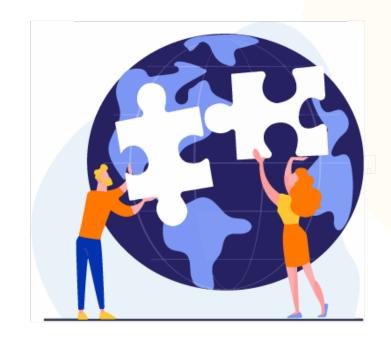
Use and re-use



EDUCATION

USE CASE **5**

Generate data



Establishing a standardised approach for the exchange of learners' activity data to ensure a seamless integration of various virtual learning environments.

Learning Analytics

Student Analytics



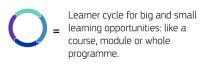






LEGEND

- Learner journey
- Enabling processes
- Use case (and phase it is associated with)
- Supporting use case (is not associated with a particular phase)
- Institution layer



USE CASE 6

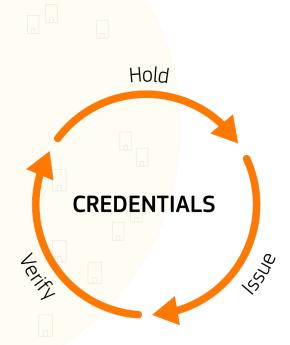
Earn credential



The digital management of educational credentials (issuance, verification, revocation), affirming the achievements from diverse learning experiences.

Micro-credentials

Portable credentials







LEGEND

- Learner journey
- Enabling processes
- Use case (and phase it is associated with)
- Supporting use case (is not associated with a particular phase)
- Institution layer
- Learner cycle for big and small learning opportunities: like a course, module or whole programme.

Learner's Perspective | 5 ····

As a student or as an educator I wish to discover learning and mobility opportunities (joint degrees, double degrees, open micro-credentials, apprenticeships, mobility opportunities) in Europe. In addition, as a learner i want to be able to

As a student I want to know if I meet the requirements to enroll a learning opportunity offered by any HEI.

As a student I want to know the skills / competences aquired upon completing a learning opportunity.

As a student I want to know if the learning opportunities take place at a suitable time (weekday, exact time) for me to combine them with my degree programme at my home

As I student, I would like to know what I can do with extra/ extracurricula classes I attended. Educator's Perspective | 2 ····

As an educator I wish to make use of skills frameworks in building my courses, and to publish/augment my

As an educator I want to update the contents of the catalog offered by my institution

+

Admin staff's perspective | 2 ···

As an admin staff, I want to know which learning opportunities I should make available to students from this

As an administrator I want to collect the requirements for each learning opportunity.

-

Other perspective | 3 ···

As an ENIC-NARIC/employer I wish to check information about historical courses in Europe.

As an institution I want to make my course catalog available to search engines in an standarised way.

As a policy maker I want data on courses skills supplied by "HEI"

+

User Stories

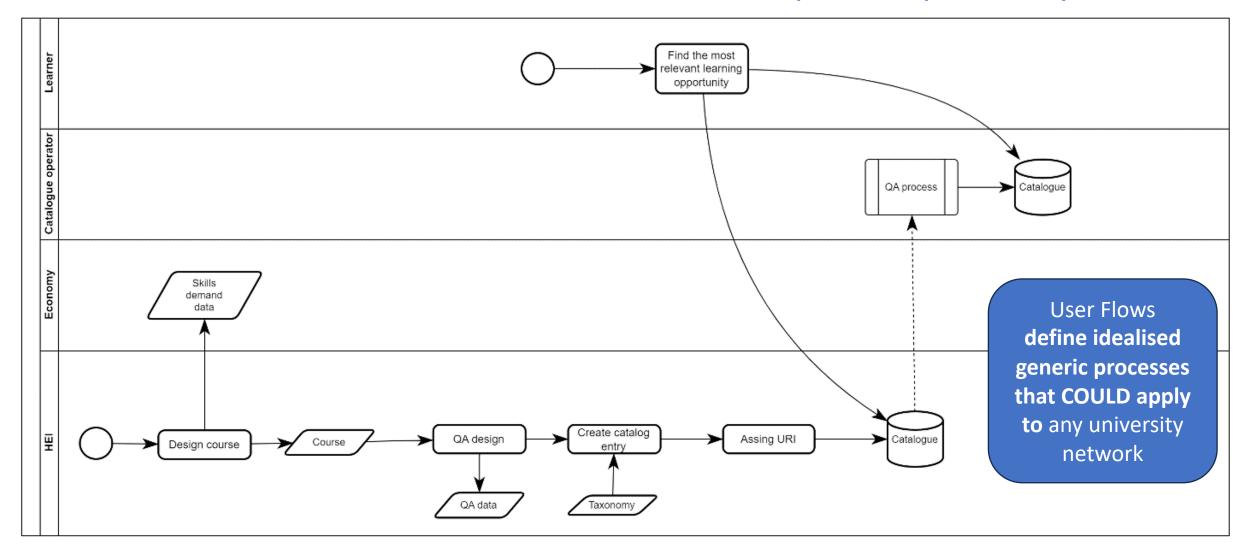
define the needs

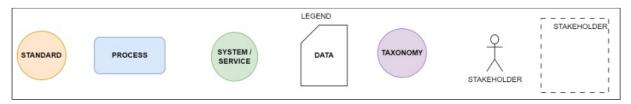
of learners,

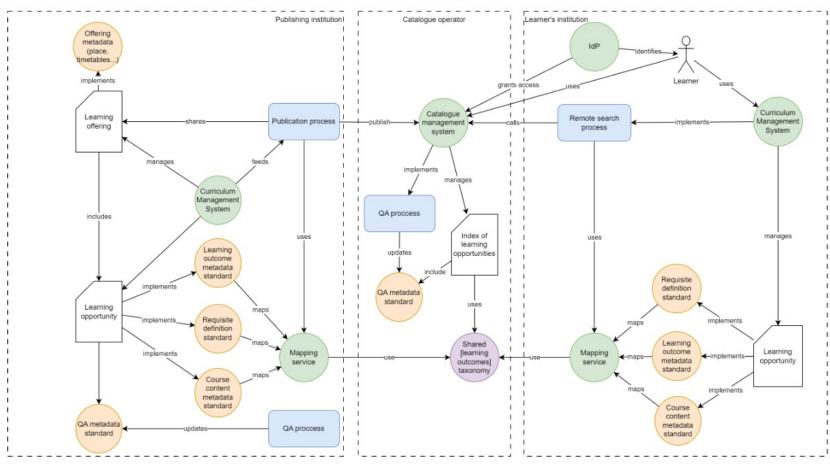
educators and
administrative staff

European

Commission







Architectural
Diagrams identify
the standards,
services and
systems required
to make the use
case work.

11 Annex I – Inventory of tools

Name	Link	Description	Draft architecture systems covered
Bestr	External link	Digital credentialing platform to valorise competencies growing in the higher education system and connect them with employers	Credentials management system Claim management system
A+ (in house developed platform, mostly for CS)	External link	An interoperable and extendable Learning Management System (A+ LMS, apluslms) that uses a combination of services to enable teachers to fully customize their elearning materials and to combine different kinds of materials flexibly. Today, several web services and build tools are included in the A+ software family	Learning Management system Educational resources management system Tool
Aalto.fi (for Open University)	External link	Course catalogue with the list of courses open to everyone regardless of background or age. Open University offers individual courses in Business, Technology, Languages, and Art and Design.	Catalogue management system
Aaltodoc	External link	Institutional repository of Aalto University.	Educational resources management system
Biblioteca do conhecimento online	External link	Educational resources repository. Makes unlimited and permanent access available, within the research and higher education institutions, to full texts from over 16,750 scientific international publications from 16 publishers, through subscriptions negotiated on a national basis with these publishers.	Educational resources management system
Academic Directory	External link	Registry of academics and researchers, can be publicly shown, interconnecting them and they can send emails.	
EC2U - Internal tool - Semantic Search engine		EC2U is developing a Developing a semantic search engine supporting automatic classification and structural search of the large document corpora	Educational resources management system - search service

The **inventory**gives an overview
of tools and
services used by
alliances

An initiative of

EduXS

Het in kaart brengen Europese digitale onderwijslandschap

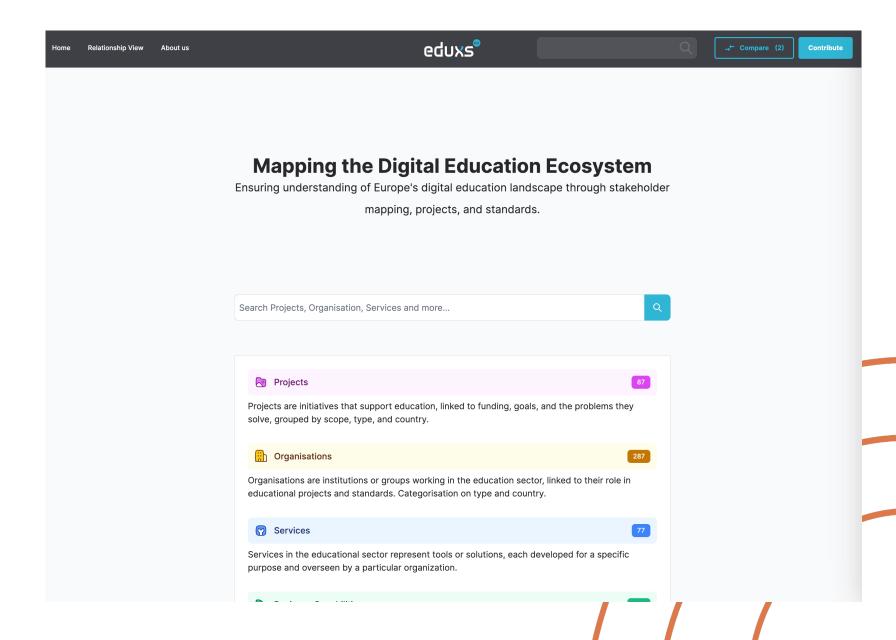
2023:

www.eduxs.eu

pilot.eduxs.eu

2024:

Werken naar MVP



Doel	EU - publiek	NL – Npuls & SURF	
1. Storylines en views met stakeholders	Europese alliantiesESCiIT Rolling plan	EduIDOO-APIOB3.0NGF	
2. Data-input	 Uiteindelijk voorschrijvend mogelijk maken? E.g. ELM KPI's erbij meenemen 	 Gerealiseerd voor 3 vraagstukken (NGF, allian ties,) 	
3. Data governance en processen	Gedragen processen voor review van data	Up to date houden van NL input	
4. Tooling en techniek	 Datamodel en architectuur Gebruikersinterface/frontend Beheersinterface/backend (informatie)-architectuur EduXS 		
5.Plan voor vervolg	Europese NGO, losse governance via bijv. Commons Conservancy	 Pro-actief gebruik binnen standaardisatieraad & edustandaard 	

Tijdlijn internationale afstemming

- EUNIS conferentie 7 juni
- TNC samenwerking binnen GÉANT 12 juni
- Duitse CIO conferentie op 17 juni
- THE digital universities in september
- 1EdTech conferentie in oktober



