Streamlining Automatic Recognition within a University Alliance
Challenges and Success Factors from the Perspective of ENHANCE

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1. ENHANCE Alliance – Short Introduction

2. The ENHANCE One Campus

3. European Education Pathways Program

4. Improving Recognition in ENHANCE+
1. ENHANCE Alliance – Short Introduction

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1. ENHANCE Alliance – Short Introduction

European UNiversity of TecHnology AlliaNCE

- 2nd generation alliance (funding period: 2020-23 / 2023-27)
- 10 leading European technical universities
1. ENHANCE Alliance – Short Introduction

- Norwegian University of Science and Technology
- Chalmers University of Technology
- TU Delft
- Politechnika Gdańska
- Technische Universität Berlin
- Warsaw University of Technology
- RWTH Aachen
- ETH Zürich
- Politecnico di Milano
- Universitat Politècnica de València
1. ENHANCE Alliance – Short Introduction

- 10 Work Packages (WP), = one per partner
- Divided into three „clusters“
  1. One Campus
  2. Future Knowledge
  3. Innovative Organisation
1. ENHANCE Alliance – Short Introduction

2. The ENHANCE One Campus

3. European Education Pathways Program

4. Improving Recognition in ENHANCE+
2. The ENHANCE One Campus

- **Cluster One Campus:**
  - European Education Pathways (WP7)
  - New Formats & Frameworks (WP8)
  - IT Infrastructure & Services (WP9)

- **Main Goal:**
  Closely connecting all partners towards a „transnational campus“.

- **Measures:**
  - New educational formats
  - Better administrative frameworks
  - Improved IT services
2. The ENHANCE One Campus

Work Package:

- WP7 - European Education Pathways
- WP8 – New Formats & Frameworks
- WP9 – IT Infrastructure & Services

Main Objective:

- Give students the opportunity to **design their study path** based on **curricular courses** offered by several member universities.
- Enrich the One Campus with a diverse catalogue of **short-term educational offers**, including a minimum of 30 joint **micro-credentials**.
- Provide **effective IT solutions** for the European Education Pathways and micro-credential offers, and to **drive the digital transformation** of the European Education Area.
2. The ENHANCE One Campus

Work Package:

- WP7 - European Education Pathways
- WP8 – New Formats & Frameworks
- WP9 – IT Infrastructure & Services

Addresses (automatic) recognition...

- ...of curricular courses.
- ...of extra-curricular courses.
- ...from a digitalization perspective.
2. The ENHANCE One Campus

Work Package:  

WP7 - European Education Pathways  

WP8 – New Formats & Frameworks  

WP9 – IT Infrastructure & Services  

Addresses (automatic) recognition...

...of curricular courses

...of extra-curricular courses

...from a digitalization perspective
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3. European Education Pathways Program – Overview

- 4 pilot study fields
- Common course catalogue with >1,000 courses
- Combination of physical, virtual, and short-term mobility
- Main goal: internationalization of involved pilot degree programs via mutual integration of curricular courses
- Long-term vision: combination with European Degree Label

Computer Science

Mechanical Engineering

Energy Engineering

Urban Planning
3. European Education Pathways Program – Workflow (Original Vision)

Education Dashboard (= Central Node)

Home University

Host University

Student
3. European Education Pathways Program – Workflow (Original Vision)

Education Dashboard (= Central Node)

- Digitalized Course Import
- Digitalized Course Export

Home University

Student

Host University
3. European Education Pathways Program – Workflow (Original Vision)

Education Dashboard (= Central Node)

- Digitalized Course Registration
- Selects Courses in Home Systems
- Student
- Home University
- Host University

Original Vision - Workflow of the European Education Pathways Program, highlighting the central node, Education Dashboard, and the interaction between Home University, Host University, and Student through digitalized course registration and course selection.
3. European Education Pathways Program – Workflow (Original Vision)

Education Dashboard (= Central Node)

- Digitalized Results Transfer
- Updated Student Record
- Student

Home University

Host University
3. European Education Pathways Program – Some Challenges

- A digitalized data exchange is far more challenging than the original vision suggests.

- A short-term mutual full integration of courses fails due to both technical and regulatory restrictions (→ long-term goal).

- Academic recognition of credit mobility is handled quite differently among European HEIs.
3. European Education Pathways Program – Workflow (Current Reality)

Course Catalogue (≠ Central Node)

Home University

Host University

Student
3. European Education Pathways Program – Workflow (Current Reality)

Course Catalogue (≠ Central Node)

Pre-recognizes Courses

Home University

Student

Manual Course Export

Host University
3. European Education Pathways Program – Workflow (Current Reality)

Course Catalogue (≠ Central Node)

Home University

Host University

Student

Sees Courses

Selects Courses

Sees Pre-recognition

Pre-recognition

Course Catalogue (≠ Central Node)
3. European Education Pathways Program – Workflow (Current Reality)

Course Catalogue (≠ Central Node)

Results Communication & (Automatic) Recognition

Home University

Recognition Application

Student

Host University
3. European Education Pathways Program – Course Catalogue
### 3. European Education Pathways Program – Pre-emptive Recognition

<table>
<thead>
<tr>
<th>HOST UNIVERSITY</th>
<th>COURSE NAME</th>
<th>COURSE CODE</th>
<th>ECTS</th>
<th>DEGREE</th>
<th>TEACHING PERIOD</th>
<th>LANGUAGE</th>
<th>STUDY AREA 1</th>
<th>STUDY AREA 2</th>
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<td>Data and Software Engineering</td>
<td>free elective</td>
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</table>
3. European Education Pathways Program – Some Solutions

✓ Make use of already existing tools and follow-up on ongoing EU initiatives. Avoid parallel processes and don’t try to reinvent the wheel!

✓ Pre-emptive and simplified recognition instead of a full mutual integration of courses (long-term goal).

✓ EUNs as a means and tool to improve recognition processes and frameworks through
  a) best-practice sharing, and
  b) driving for internal change.
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4. Improving Recognition in ENHANCE+

Improving automatic recognition on three dimensions:
1) Culture, 2) Regulations, 3) Practice.

1. We will analyze existing attitudes towards recognition and compile information on the implementation of the Lisbon Recognition Convention.

2. We will use the results to inform our campaign on improved recognition and create a network of expertise on the subject.

3. We will provide assessments on how each university can improve automatic recognition within specific rules and regulations. This set of recommendations will be agreed upon by all partners.
4. Improving Recognition in ENHANCE+

Achievements during the first project period:

✓ Partners have started internal discussions on process improvement.
✓ A better understanding of existing differences has been reached.
✓ An initial survey on recognition cultures & practices was compiled.
4. Improving Recognition in ENHANCE+
Some factors that have impact on efficient and student-friendly recognition processes:

- Level of centralization
- Level of approval
- Level of trust
- Level of digitalization
- Level of flexibility of the curriculum design
- Level of flexibility of the recognition process
- Level of competence of the credit evaluator
Thank you for your attention!

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