Supporting Student Mobility with EMREX — a field trial on exchanging student achievement records
Students react to EMREX

- Second video, also the animation video
- EMREX videos -> www.emrex.eu
- (a Swedish one to come)
Collaboration between the Nordic countries (Finland, Sweden, Norway and Denmark) began more than 10 years ago.

A couple of earlier attempts at creating a solution for electronic transfer

(EMREX) Prestudy done by Nordforum and afterwards decision to start a common project

Preproposal submitted to EACEA in May 2014

Project started 1.1.2015
Facts about the project

- EU Erasmus+ project (2015-2017)
- Ministry level initiative
- Increase student mobility (20%)
- Recognition of previous studies
- Electronic and secure transfer of student data between HEIs
- Field trial and evaluation of impact
- Denmark, Finland, Italy, Norway, Poland, Sweden
Timeline

2015
- Planning
- Specification
- Developing

2016
- Field Trial
- Surveys

2017
- Evaluation
- Upscaling
- Production
  (Field trial)

We are here
Supporting student mobility

Student returning home can retrieve his achievement data electronically
Field trial ongoing

- Finland, Italy, Norway, Sweden in production
- Difficult to find suitable students
- Italian SMP hopefully soon
- Denmark delayed, no firm dates

<table>
<thead>
<tr>
<th>Country</th>
<th>HEIs</th>
<th>Students</th>
<th>Short surveys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denmark</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Finland</td>
<td>4</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>Italy</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Norway</td>
<td>9</td>
<td>28</td>
<td>14</td>
</tr>
<tr>
<td>Sweden</td>
<td>3</td>
<td>3</td>
<td>7</td>
</tr>
</tbody>
</table>
EMREX is the solution for electronic transfer of student records between higher education institutions in Europe. Students can use online tool to transfer their records from their host institution to their home institution. If EMREX was available for you, would you be willing to use it?

- Yes: 61%
- No: 6%
- I don't know: 33%
Expanding the network

- Polish "secret" field trial progressing
- DUO testing EMREX
- VTAC, Australia asking about testing, will be part of the EMREX proposal to EAIE
- ECE, USA
- CHESICCC, China looking into EMREX
- Spain, Germany, France....
- ...and of course EWP, DS study, eIDas
Future – other scenarios

Other use scenarios – EMREX a building block
- Internal national mobility
- Admission to educational institutions
- Recruitment for jobs
- Validation of degrees and diplomas
- Informal learning

Further steps
- Expand to other countries
- More automatization of recognition, admission, recruitment, certification etc.

Issues to be worked out in a broader perspective
- Long-lived authentication services for students leaving academia
- Common eID for EU
EMREX 2.0

First meeting held, next consortium meeting 2.12

New call opening soon, deadline Feb-Mar
  – Add new EU members to the EMREX network
  – Collaborate with non-EU members to join the network
  – Improve the solution and add new functionality (e.g. for admission)
Other ideas

- automatic recognition; in co-operation with FAIR, could be finding a minimum set of data needed for recognition
- capacity building together with "developing regions", case study and guidelines
- credentials verification together with employers, or recruitment providers
- course catalogues and descriptions electronically available
- 2nd level studies, how to apply EMREX there
- EU eIDAs or other identification solution
- student loans/aids providers, how to verify exchange studies
- sharing of recognition results across countries, e.g. if a foreign (non-EU) degree has been recognized in Sweden, the same work should not be done in Finland. Case: refugees
- From Commission: DS Study, Enic network, eIDAS
Additional information

- EMREX website: [www.emrex.eu](http://www.emrex.eu)
- EMREX-info mailing list, e.g. monthly reports
- GitHub: [https://github.com/emrex-eu/](https://github.com/emrex-eu/)
- Survey for mobile students on recognition
Questions?

No thanks!

We are too busy
Backup
Logging in to home SMP

Haka Test-Idp login page

Username

Password

Clear prior granting of permission for release of your information to this service.

Login

Login to EMREXtest SMP

Service: EMREXtest SMP
Description: EMREX testserver SMP
Privacy Policy: Privacy Policy Service
Hi and welcome to Emrex!

Welcome! With this service you can retrieve your achievement records from studies at another university or college. Importing your records is a quick and easy process.

1. Select the country from which you want to retrieve your achievement records
2. Use the credentials from the host university where you studied to log into the system where your results are stored.
   -- You will be able to import results from all the universities you studied at in that country (if part of EMREX)
3. Select the achievement records you want to import
4. Review and confirm the selection. The records will be sent to your home university and you will be sent a copy if you’d like.
5. Afterwards you will be asked to answer a few questions about the tool to help us develop it further.

So let’s get started by selecting a country!
Host NCP – host login

EMREX test-IdP
Login to the NCP using the buttons below.

User name
kaisaswe

Password

Login

Kaisa K
### Select courses to import

<table>
<thead>
<tr>
<th>Title</th>
<th>Credits</th>
<th>Code</th>
<th>Grade</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Real Estate and Finance</td>
<td>1.5</td>
<td>AI1124</td>
<td>P</td>
<td>2009-08-17</td>
</tr>
<tr>
<td>Introduction to the Planning and Building Process in Real Estate and Finance</td>
<td>7.5</td>
<td>AI1122</td>
<td>C</td>
<td>2009-12-17</td>
</tr>
<tr>
<td>Introduction to Swedish Law, Basic Course</td>
<td>7.5</td>
<td>AI1510</td>
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<td>2010-03-09</td>
</tr>
<tr>
<td>Introduction to Swedish Law, Continuation Course</td>
<td>7.5</td>
<td>AI1511</td>
<td>E</td>
<td>2010-03-17</td>
</tr>
<tr>
<td>Economics</td>
<td>7.5</td>
<td>AI1107</td>
<td>D</td>
<td>2010-05-26</td>
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<tr>
<td>Organization and Management</td>
<td>7.5</td>
<td>AI1123</td>
<td>C</td>
<td>2010-05-31</td>
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<tr>
<td>Database Technology and Information systems</td>
<td>7.5</td>
<td>DD1370</td>
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<tr>
<td>Basic Statistics and Probability Theory for Economists</td>
<td>7.5</td>
<td>SF1902</td>
<td>E</td>
<td>2010-06-09</td>
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<tr>
<td>Investment Analysis</td>
<td>7.5</td>
<td>AI1108</td>
<td>E</td>
<td>2010-10-18</td>
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<tr>
<td>Fundamentals of Residential Real Estate Finance</td>
<td>7.5</td>
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<td>Planning, Building and Environmental Law for Real Estate and Finance</td>
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<td>AI1513</td>
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<td>Real Estate Management I</td>
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<td>AI1143</td>
<td>D</td>
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</table>
Host NCP – confirm

Kaisa Keränen 1966-07-18


Review and approve your selected courses

Review your selected courses below. If something is incorrect, you can go back to previous steps and change it.

Bachelor’s Programme in Real Estate and Finance - 180 credits | TFOFK | Ict services, Umeå

<table>
<thead>
<tr>
<th>Title</th>
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<tr>
<td>Economics</td>
<td>7.5</td>
<td>AI1107</td>
<td>D</td>
<td>2010-05-26</td>
</tr>
</tbody>
</table>

[Buttons: Back, Cancel without import, Approve and import]
### Review and approve import

You have selected to import 11 courses.
Due to mismatch between your birthday information from Haka and in course report your identity is not verified.
You will still be able to import your results but not use them until they have been reviewed.
Please review your selection below and approve it to import the courses to your home university results.

If you'd like a copy of the imported results, please open and save the PDF to your own device.

---

### ICT Services, Umeå

<table>
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<th>D</th>
<th>Code</th>
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<th>Level</th>
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<td>Class</td>
<td>D</td>
<td></td>
<td></td>
<td>2010-05-26</td>
</tr>
</tbody>
</table>
EMREX - user experience evaluation

Now we would like to ask your opinion about EMREX. Please fill in the questionnaire below. This should take no more than 3 minutes of your time. Your responses are very important and will help us improve our software. Your answers will be completely anonymous.

Please rate how much you agree or disagree with the following statements:

<table>
<thead>
<tr>
<th></th>
<th>1 - Strongly disagree</th>
<th>2 - Disagree</th>
<th>3 - Neutral</th>
<th>4 - Agree</th>
<th>5 - Strongly agree</th>
<th>No opinion</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMREX is easy to use.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The instructions are clear and understandable.</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMREX works fast.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I was able to import all relevant data (courses, grades) using EMREX.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The EMREX interface is visually appealing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I am satisfied with how EMREX works.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>I would recommend EMREX to other mobile students.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Do you have any other comments about EMREX?