



EMREX for student data exchange

What is EMREX?

EMREX is a technical solution used to securely exchange educational data between students and third parties, for example between higher education institutions, admission offices or future employers. EMREX is a decentralized network consisting of several components. For consumers of the result data the network is open and the students themselves are in control of the data exchange. The decentralized model also makes it easier to add new providers of student result data to the network.

- Each SIS (*Student Information System*) or institution that wishes to retrieve results from the EMREX network can connect using a standard *Student Mobility plug-in (SMP)*. This then becomes an EMREX client, and enables the student to retrieve her result data from the EMREX network.
- Each country that seeks to provide results to the EMREX network must implement one or more *National Contact Points (NCP)*. The NCP provides the students with a secure login, and enables them to select the results they want to share with the EMREX client.

EMREX uses an open source technical solution through which different kinds of educational data can be transferred, be it transcript of records or entire diplomas. Any organization can be behind the NCP, be it a single Higher Educational Institution (HEI), an organization or a national provider. The requirements on participating data providers or consumers are very low. The only common component is the NCP registry (**EMREG**).

How to join

It is easy join EMREX. After reading the material on the web pages it is recommended to contact the network for a first information on how to proceed. Usually we can let technical experts participate on workshops when designing and building the local system. Information can be found on this web page: <https://emrex.eu/how-to-join/>
More technical information and specifications can be found at <https://emrex.eu/technical/>
<https://github.com/emrex-eu>

Contact with the EMREX network: info@emrex.eu



When should EMREX be used?

In the template for partnership agreements for digital Inter-Institutional Agreements within the key Action 1 – Mobility for learners and staff, there are requirements for the partners.

First the application for Erasmus charter,

[\[https://ec.europa.eu/research/participants/data/ref/other_eu_prog/other/eplu/guide/gfa_eace_a-03-2020_en.pdf\]](https://ec.europa.eu/research/participants/data/ref/other_eu_prog/other/eplu/guide/gfa_eace_a-03-2020_en.pdf) have requirements on use of Learning agreements, automatic recognition and information about grading schemes among other things.

Secondly the template states that “The institutions agree on exchanging their mobility related data in line with the technical standards of the European Student Card Initiative

[\[https://ec.europa.eu/education/education-in-the-eu/european-student-card-initiative_en\]](https://ec.europa.eu/education/education-in-the-eu/european-student-card-initiative_en)

Some of the requirements can be achieved by using EMREX for data transfer. The Web page for the European Student Card Initiative specifically names both EMREX and Erasmus Without Paper (EWP) as solutions to use.

There is an initiative in Europe called “European universities Alliances”

[\[https://ec.europa.eu/commission/presscorner/detail/en/IP_19_3389\]](https://ec.europa.eu/commission/presscorner/detail/en/IP_19_3389) with the purpose of creating strong European partnership universities regardless of geographic location. With a successful partnership you need to be able to share student data. EMREX is the ideal solution for this.