**Agenda Technical preparation bridge OOTS-Emrex**

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Date: May 15th 2023

Time: 15:00 – 17:00

Location: Teams

1. Welcome, opening remarks
2. Purpose and Objectives of the bridge
3. Proposal for Change in loop 1
4. Identity matching
5. Items for next meeting

Ad 2. Purpose and objectives of the bridge

SDG has the objective to facilitate citizen mobility within in EU and Emrex does the same for student mobility. Emrex is operational, SDG has designed a cross-border technical system (OOTS) that must be operational the end of 2023. These systems are based on different philosophies and technical formats. Emrex and SDG have come to an early understanding that a bridge between the two might be beneficial to both.

We would like to discuss shortly within the team the benefits for the field of education. Starting with something like, more digital diplomas lead to more digital demand lead to more effective student mobility. However, two systems competing at educational institutions or their representatives for diplomas, is not be the best idea. Can we prevent schools from getting on the OOTS-train? Should we bring this forward in our next meeting with SDG (May 25 th)? Should Emrex’ role be in the High Level Architecture (HLA) of OOTS?

Ad 3. Proposal for Change in loop 1

The attachment for this item on the agenda describes the likenesses and differences between Emrex and OOTS when retrieving evidence providers and their preview URL (so called loop 1). It is suggested that from the perspective of consumers of multiple type of evidence it would be best to harmonize the protocol. From the perspective of Emrex the preferred protocol is REST-API and probably from the perspective of het regional registries also. It is after all the 2023 way of doing things.

Should Emrex bring this as a proposal for change in our next meeting with SDG (May 25th)? Note: the use of EbMS3/AS4 is a non-negotiable choice for the EU. This proposal aims to restrict this choice to loop 2 where actual evidence is exchanged.

Ad 4. Identity matching

Identity matching has a role in Emrex to make sure (within margins) that a provided diploma is not by accident or on purpose from somebody else. Emrex uses an open source algorithm called Levenstein. It is applied by the evidence consumer (a.k.a. the Higher Education Institute or HEI) as part of the Emrex Client.

The EU does not provide an algorithm but allows for exchanging ‘user attributes’ in de evidence request. Which user attributes so far is unclear. What is clear is that identity matching is supposed to happen by the evidence provider.

So the patterns are opposite to each other. This could be a problem. A requester coming from OOTS passing the bridge to Emrex expects that the identity will be matched by the provider.

What is the opinion of the technical team on this? What is best? Should we address this in our next meeting with the EU?

Ad 5. Items for next meeting

* The bridge pattern suggested by Pim, a first glance, involves physical servers to do things that the Emrex Client is doing within de secure environment of the evidence consumer. One thing is certain, the EU has no intention of operating such a physical server.
* The EU is prepared to organize a ‘Projectathon’ for a kickstart with Emrex. They have one before but so far without preview & consent. This looks like a nice way to put Emrex stronger on the map.
* Others?