# MyAcademicID – ESI - Wallets

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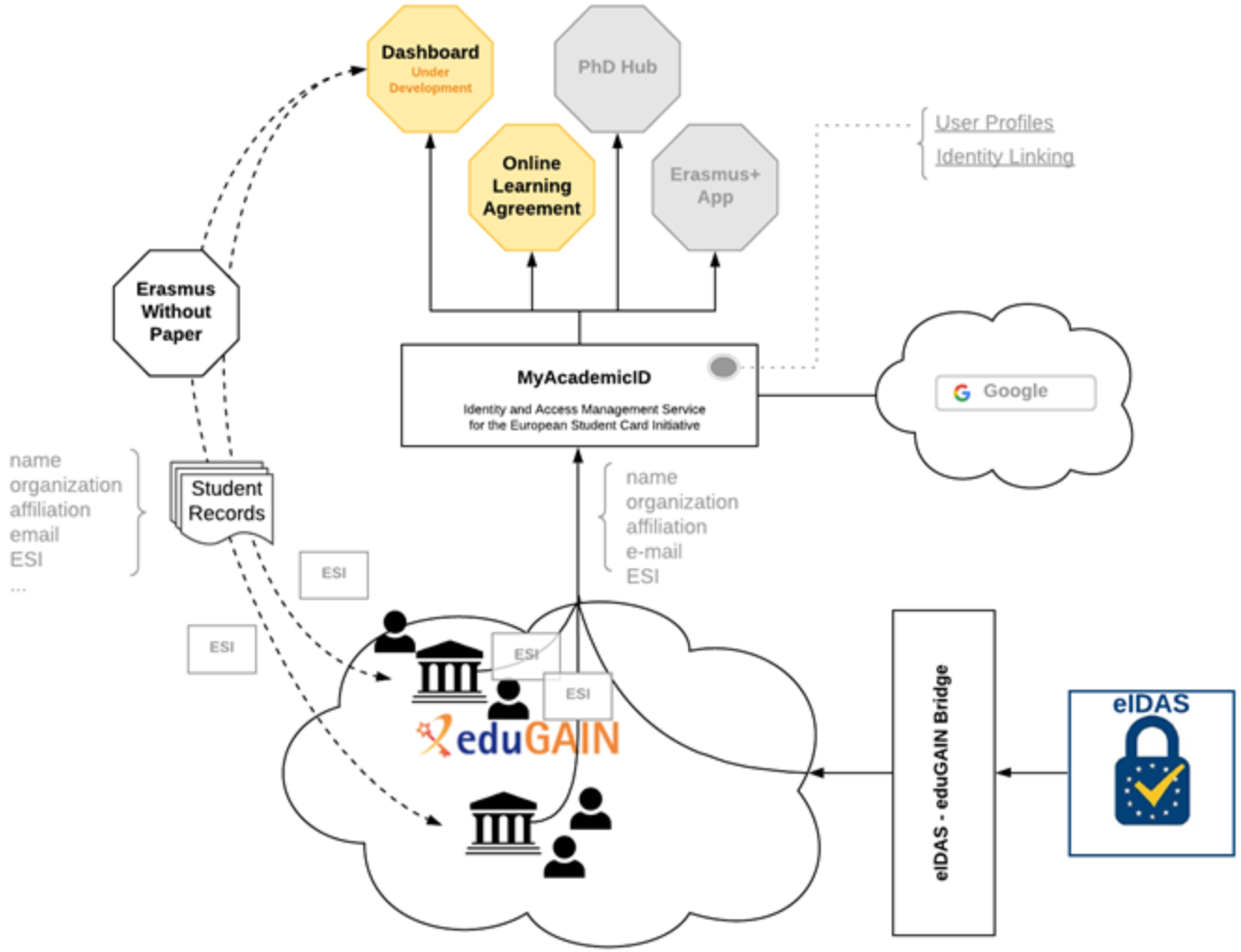
# MyAcademicID for Erasmus without Paper (EWP):

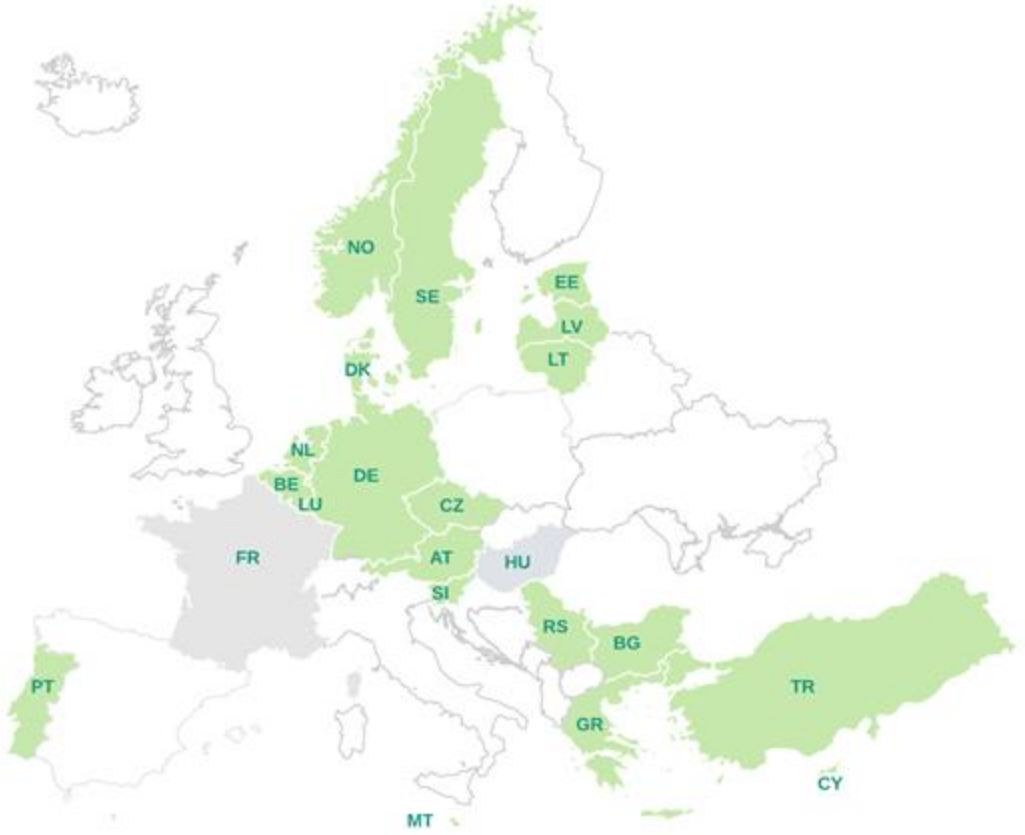
- The MyAcademicID Service was **launched in November 2020**
- Provides the **Identity Layer** core Erasmus+ and University Alliances
- Supports authentication via **eduGAIN, eIDAS** and Google (Legacy)
- Provides a **catch-all IdP of Last Resort**
- Runs on top of the **GEANT Core AAI Platform**



## National IdPs of Last Resort

FR, HU, IT, PL, ES

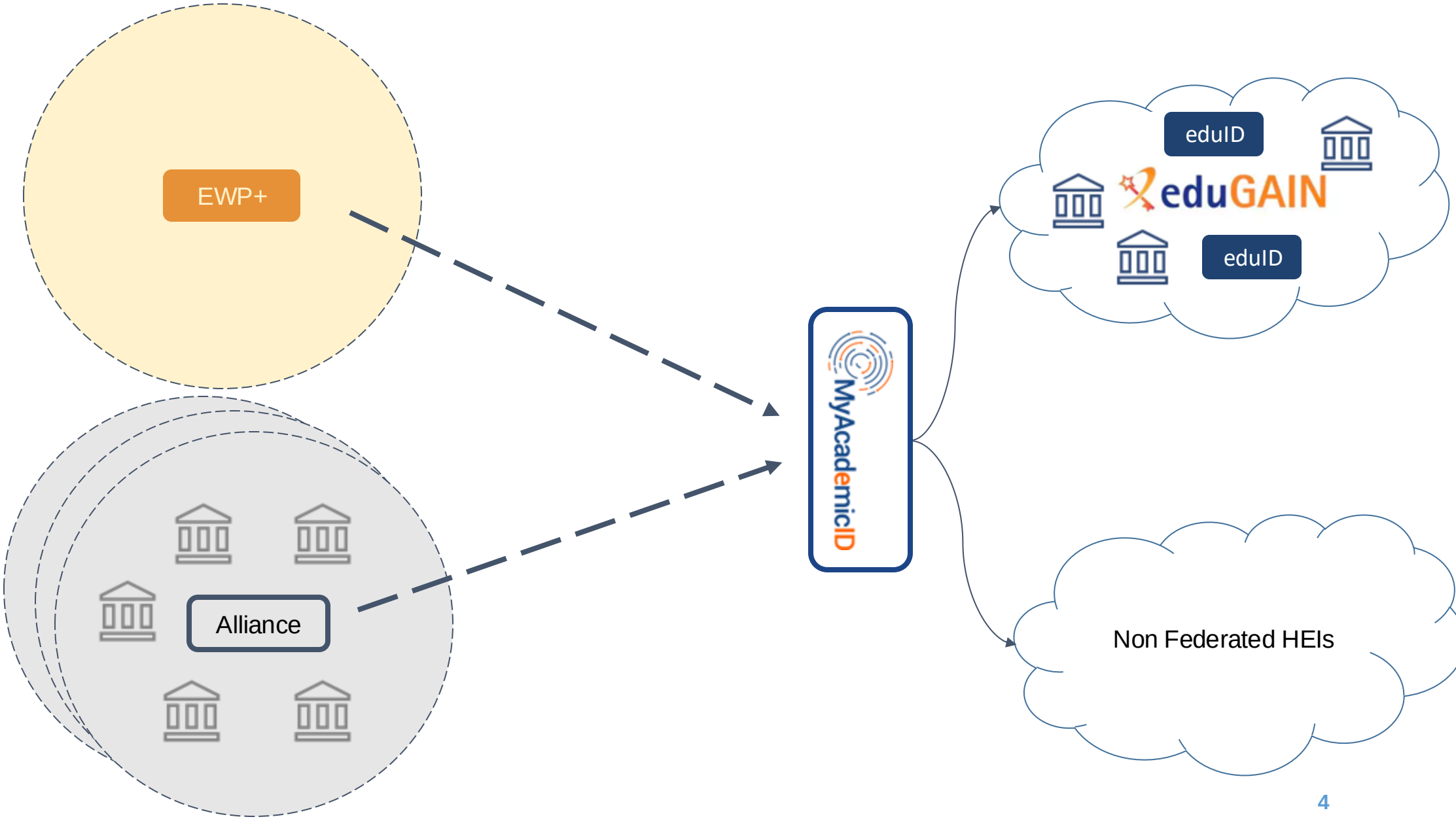
## MyAcademicID of Last Resort




AT, BE, BG, CY, CZ, DE, DK, EE, GR, HU, LT, LU, LV, MT, NL, NO, PT, RS, SE, SI, TR

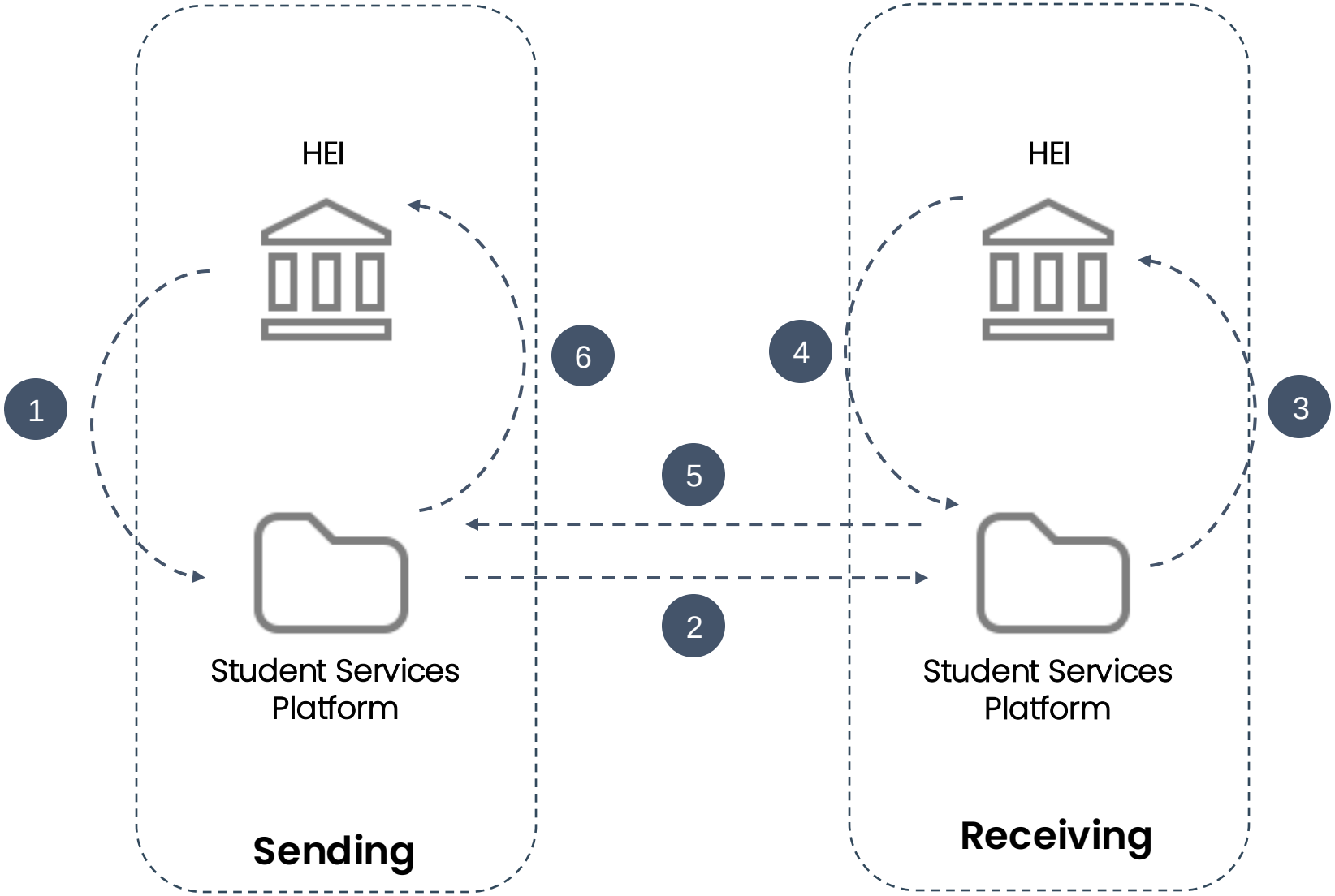
# MyAcademicID (and eduID)





# Student Mobility: Data Exchange





# What is the ESI and what does it look like?



The ESI is generated by the HEI. There are 2 main ‘ingredients’ needed

| Something to identify the HEI: | Something to identify the student: |
| --- | --- |
| schacHomeOrganization value (sHO) | the student number (code) |

urn:schac:personalUniqueCode:int:esi: <sHO>:<code>

This is the case in which the student number is managed by the HEI (otherwise the ISO cc)

Ex: **urn:schac:personalUniqueCode:int:esi:hei.edu:23490G**

# Attribute Requirements

## Student Basic Attributes

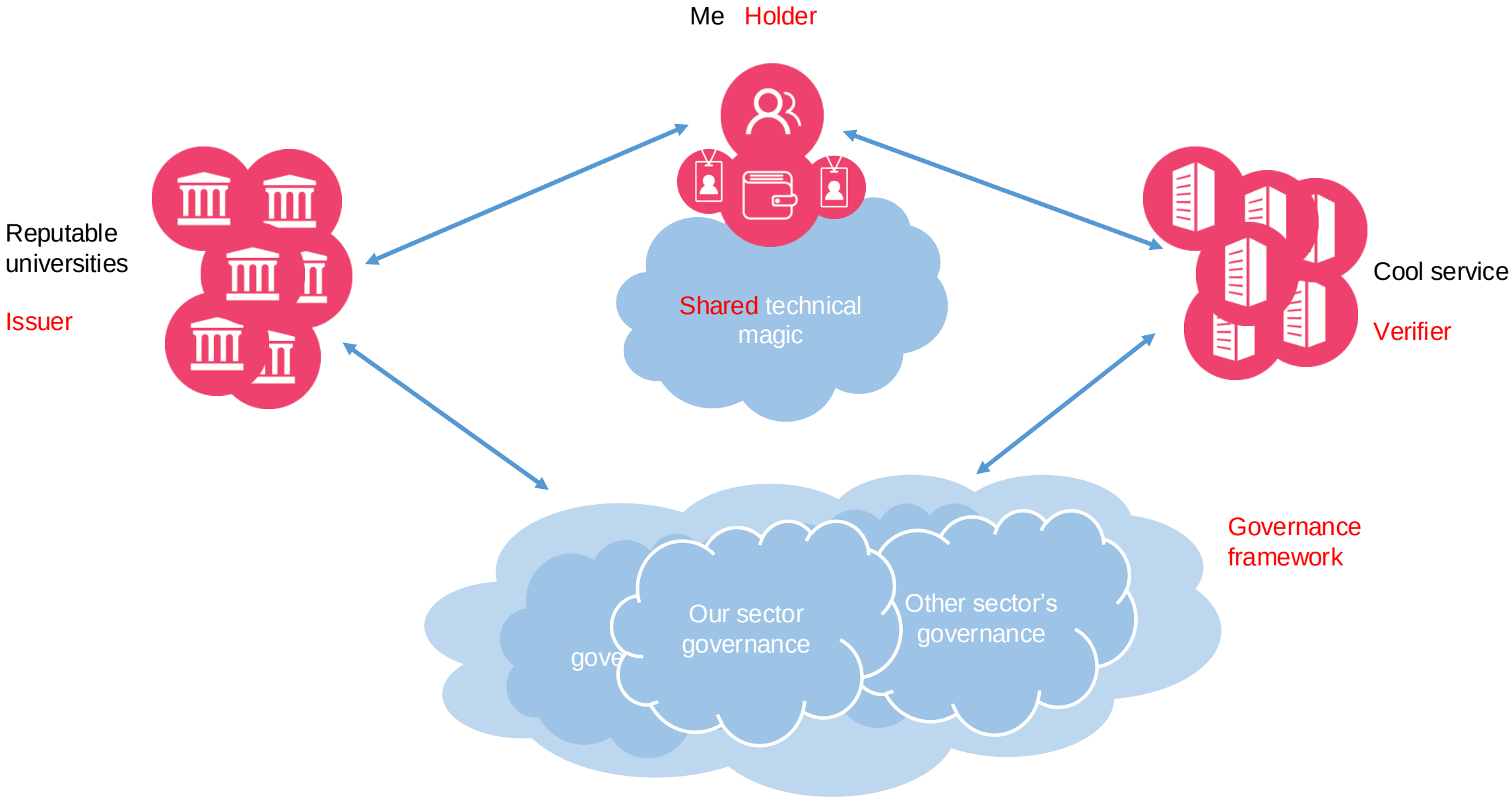
1. General purpose identifier
2. First Name
3. Last Name
4. Full Name
5. Email address
6. Affiliation
7. Organisation
8. European Student Identifier

| Attribute | Explanation |
|---|---|
| Any of:<br>• Persistent NameID<br>• eduPersonPrincipalName*<br>• eduPersonTargetedID<br>• eduPersonUniqueId<br>• eduPersonOrcid<br>• subject-id<br>• pairwise-id | The services requires to uniquely identify users throughout the student mobility process. Without some kind of unique identifier, it is not possible to distinguish between two different users.<br>*: *The eduPersonPrincipalName can be used only if one of the following conditions are met: i) the IdP supports the R&S Enitity Category, ii) the eduPersonAssurance attribute is also released and it has a value of https://refeds.org/assurance/ID/eppn-unique-no-reassign, iii) the federation in which the IdP has registered has a policy that prohibits the reassignment of the value of the eduPersonPrincipalName attribute* |
| eduPersonAssurance | The eduPersonAssurance attribute is required in the case an IdP releases only eduPersonPrincipalName as an identifier and the IdP does not support the Research and Scholarship entity category. In this case, if eduPersonArrusance has a value of value of https://refeds.org/assurance/ID/eppn-unique-no-reassign, in order to be able to use eduPersonPrincipalName as an identifier. |
| Any of:<br>• cn<br>• displayName<br>• sn + givenName | The Erasmus process needs to know the name of the person participating in the student mobility process. |
| mail | The service needs to be able to contact the user regarding the status of student mobility process. |
| schacPersonalUniqueCode | The student mobility processes require the use of a number of services, all of which are involved in different stages of the pipeline and which will need to be able to exchange data about the students who are in mobility. The European Student Identifier (ESI) is globally unique, persistent, non-targeted, protocol neutral and data transport neutral. In SAML, the ESI is transported in the schacPersonalUniqueCode attribute (as defined in the SCHema for Academia). Currently support for the ESI is being rolled out in Higher Education Institutions around Europe. If your HEI, already supports the ESI, you can release it to the ERASMUS SP Proxy using this attribute. **Relevant only for students** |
| schacHomeOrganization | The student mobility processes need the to identify the Home Institution from which the user is coming from. |
| eduPersonScopedAffiliation | The student mobility processes rely on authorising access to users based on the affiliation of their members in their home organisation. |
| eduPersonEntitlment | The service relies on this attribute to authorise users as EWP Administrators. The expected value for the EWP Admin role is:<br>**urn:geant:erasmuswithoutpaper.eu:ewp:admin**<br>For more information read EWP Admin Role |

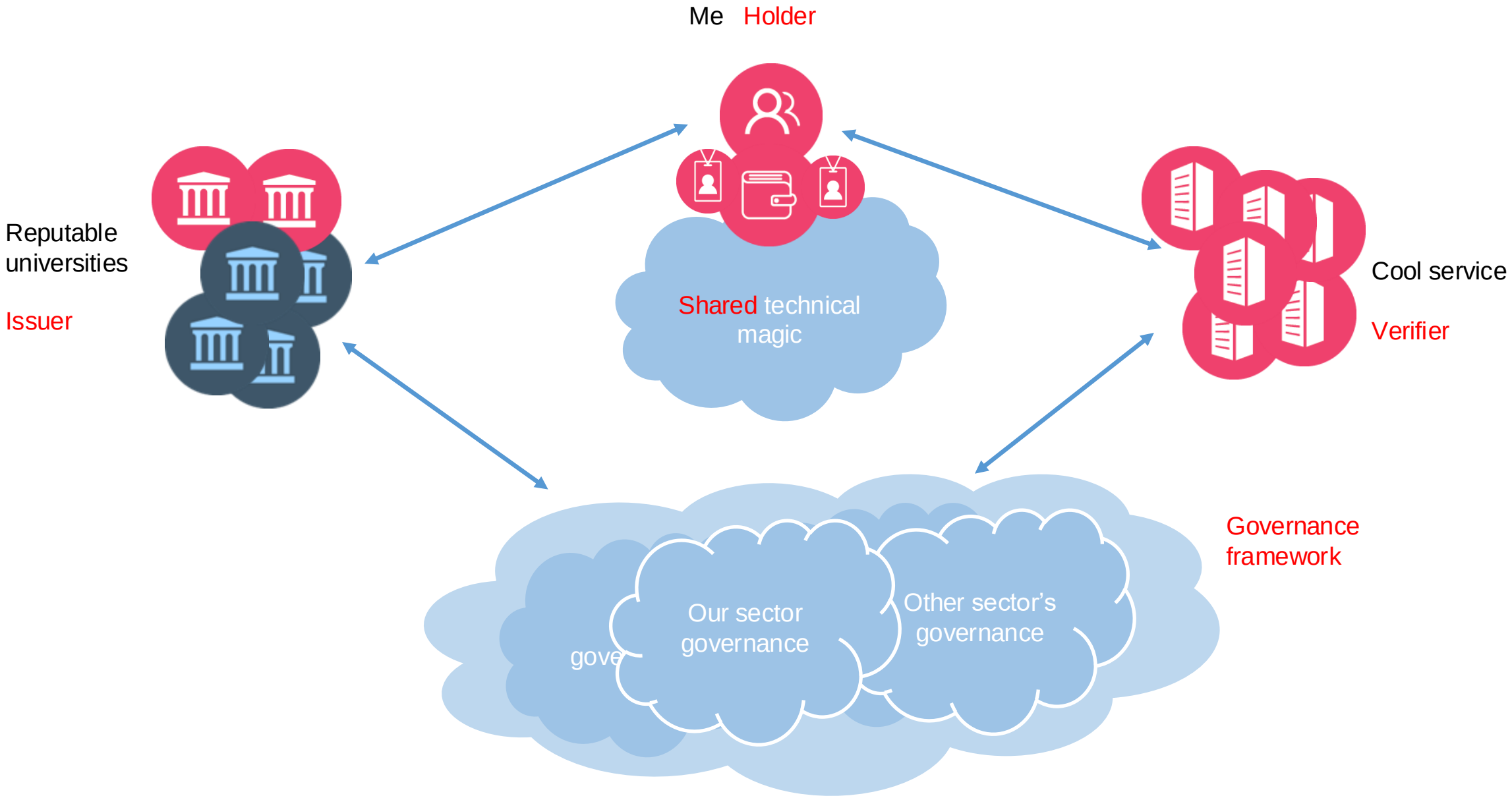
https://wiki.geant.org/x/DQDgCQ

# *Let's talk now about data and the wallets*

# Scale-out with wallets



# Challenges: Adoption of Technology



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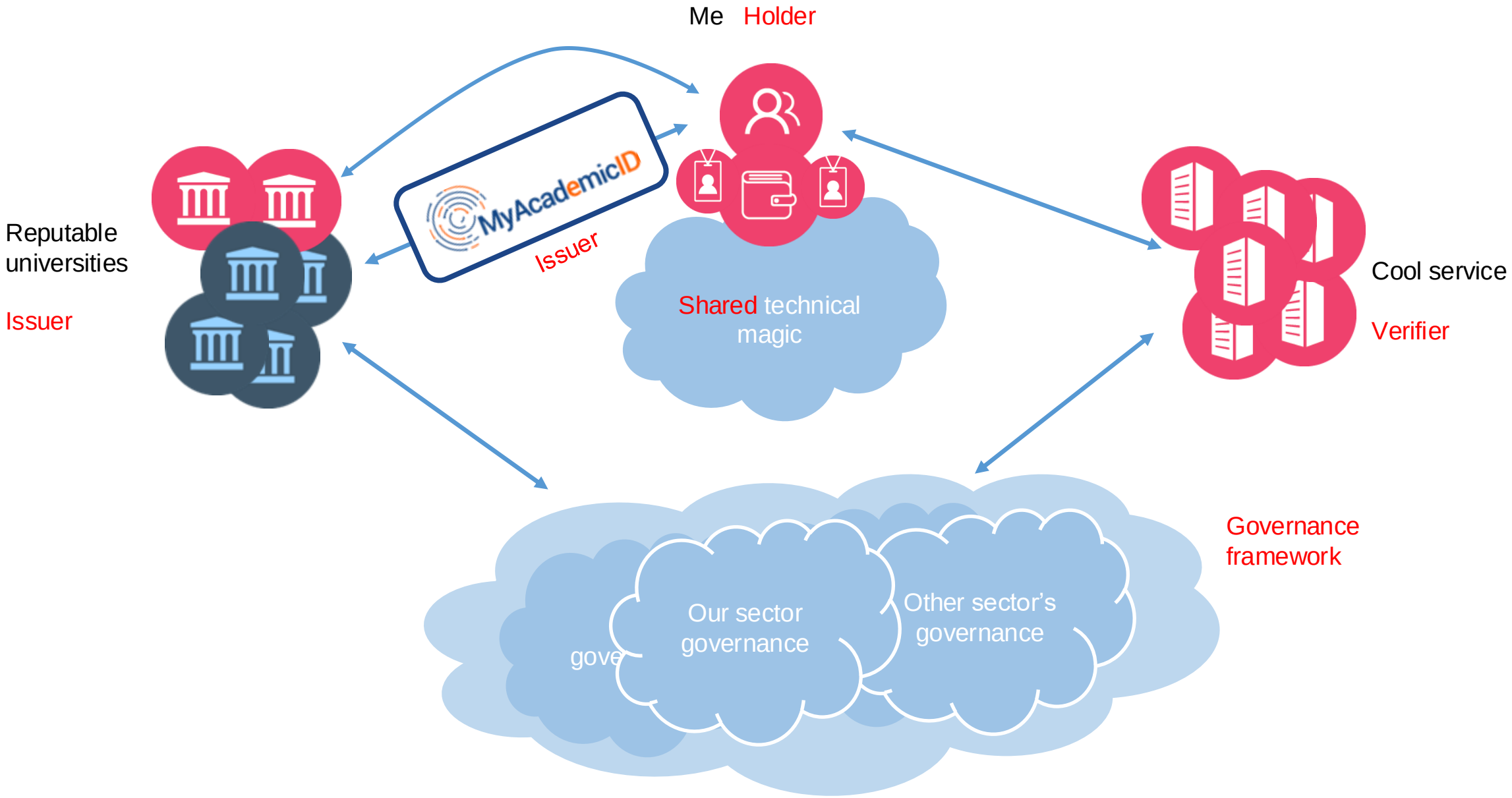

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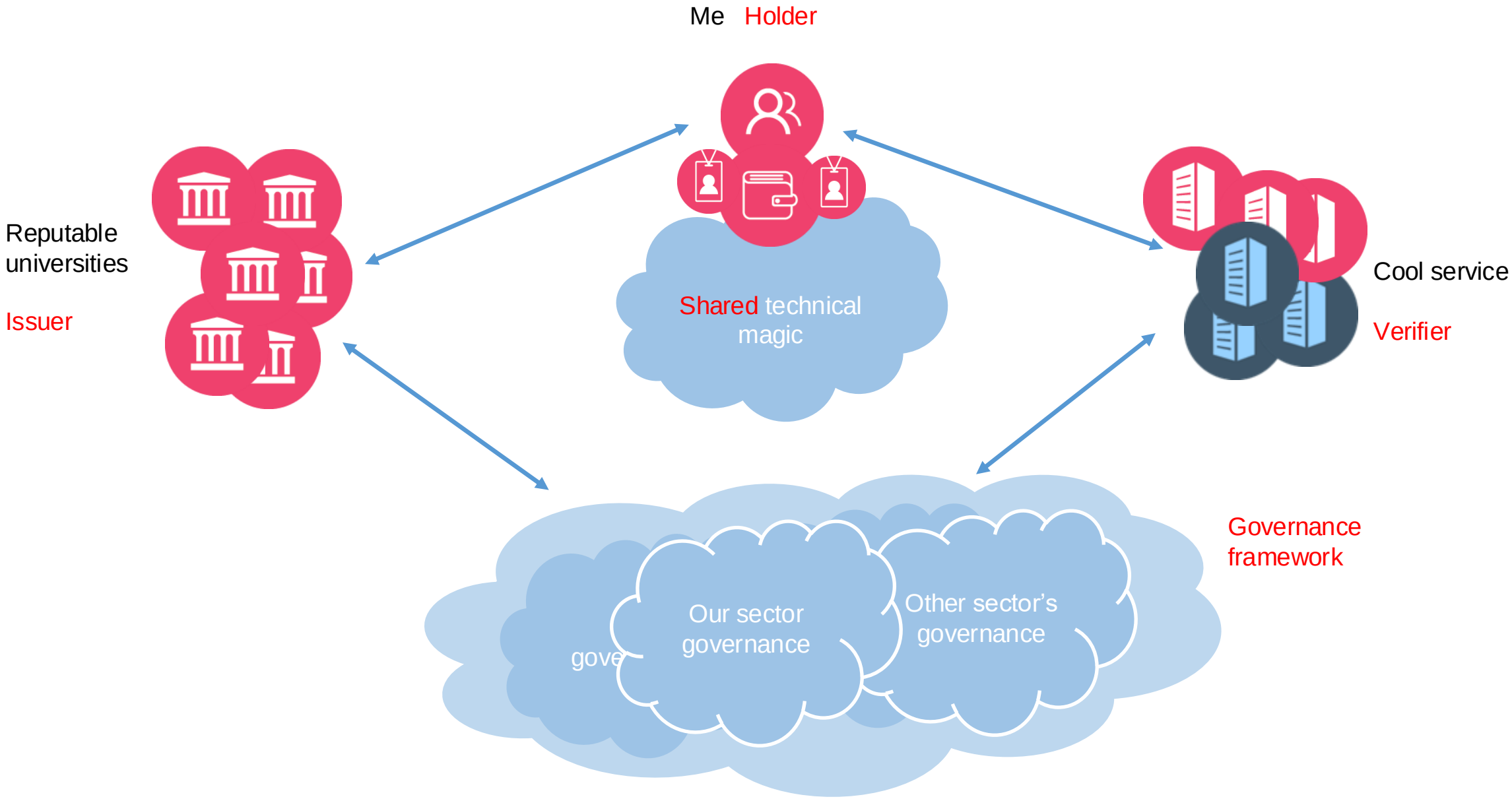

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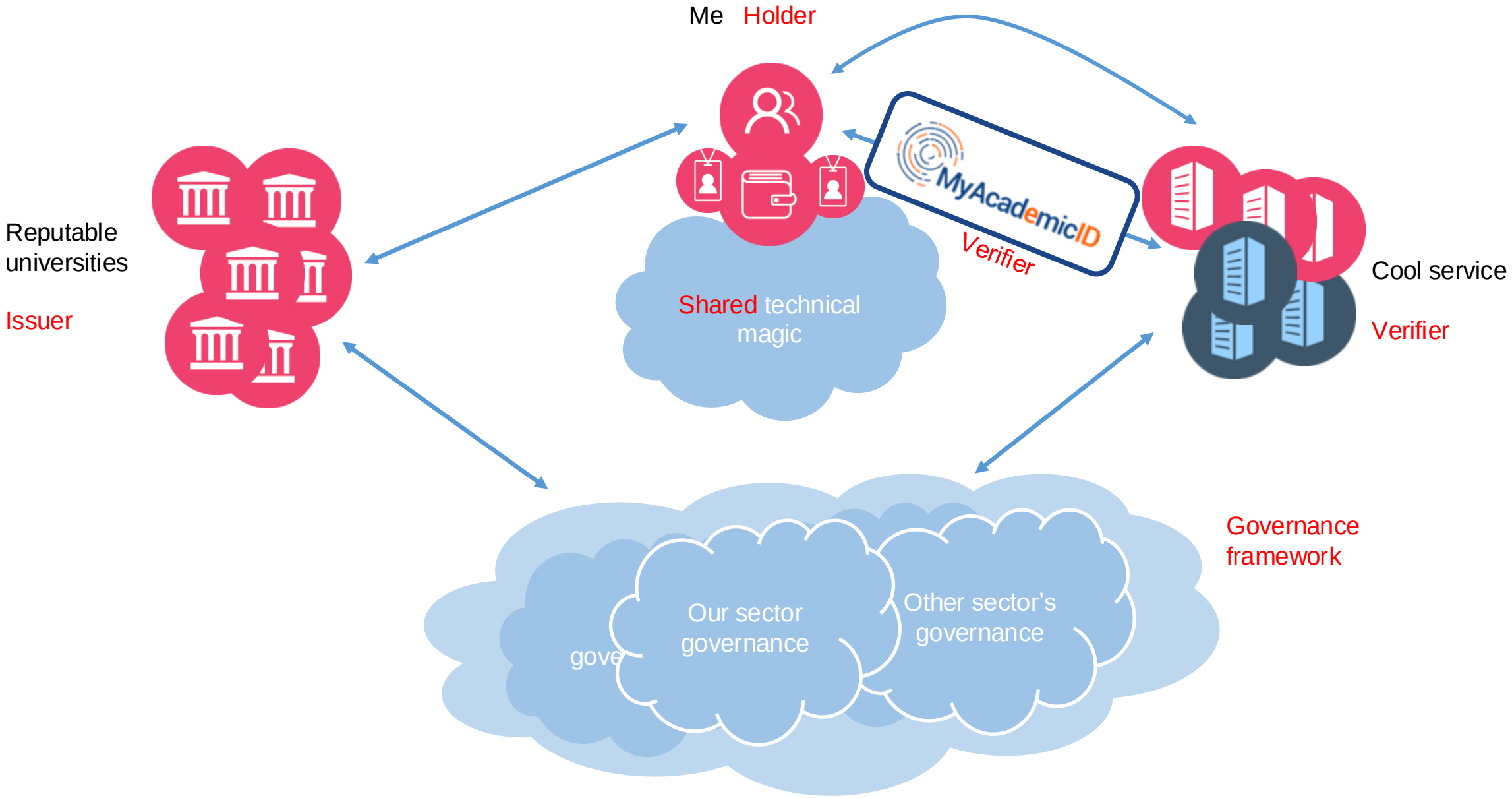
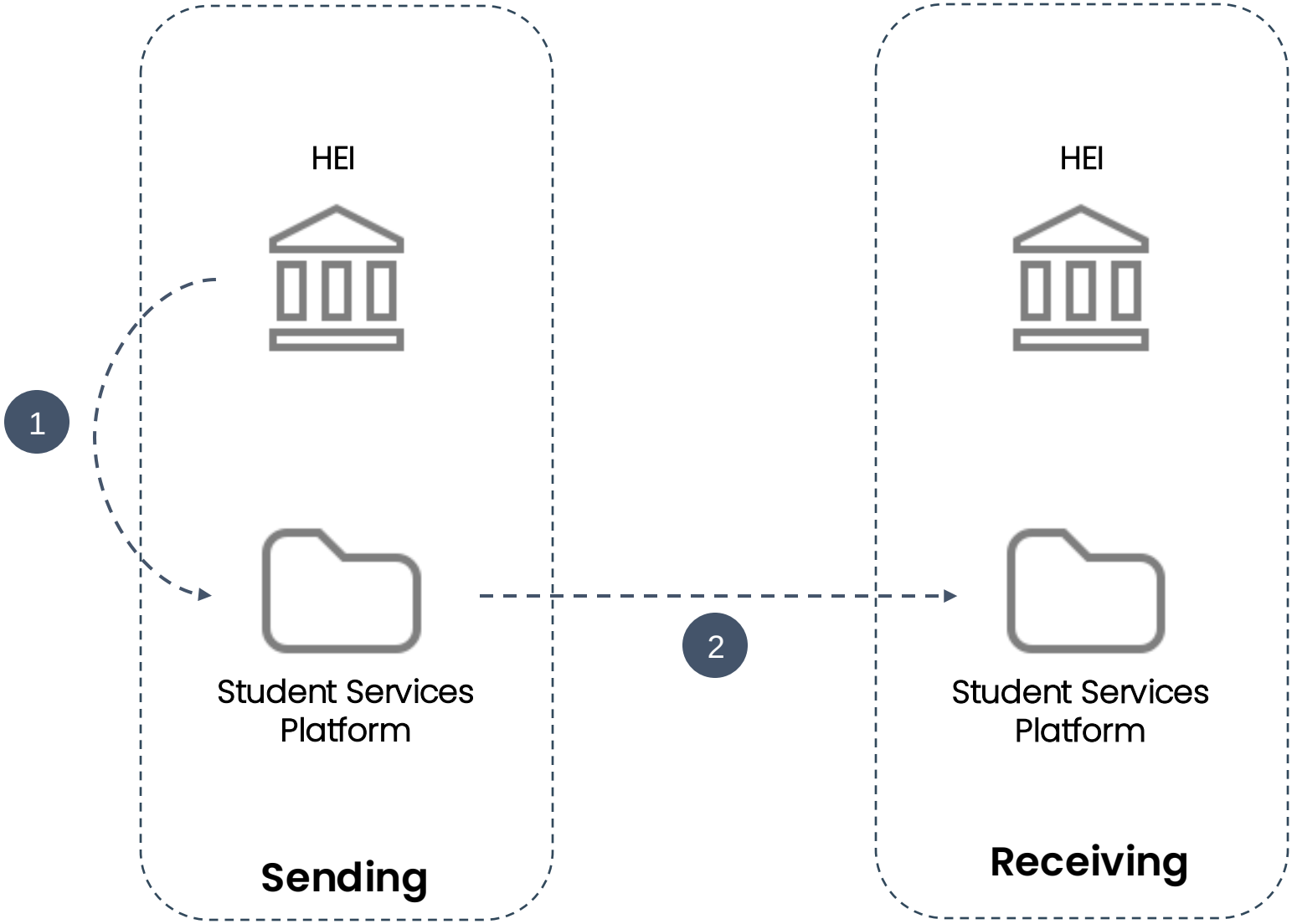


# *And what does this mean for Erasmus without Paper?*

# ESI in EWP






The student does not need to know the ESI.

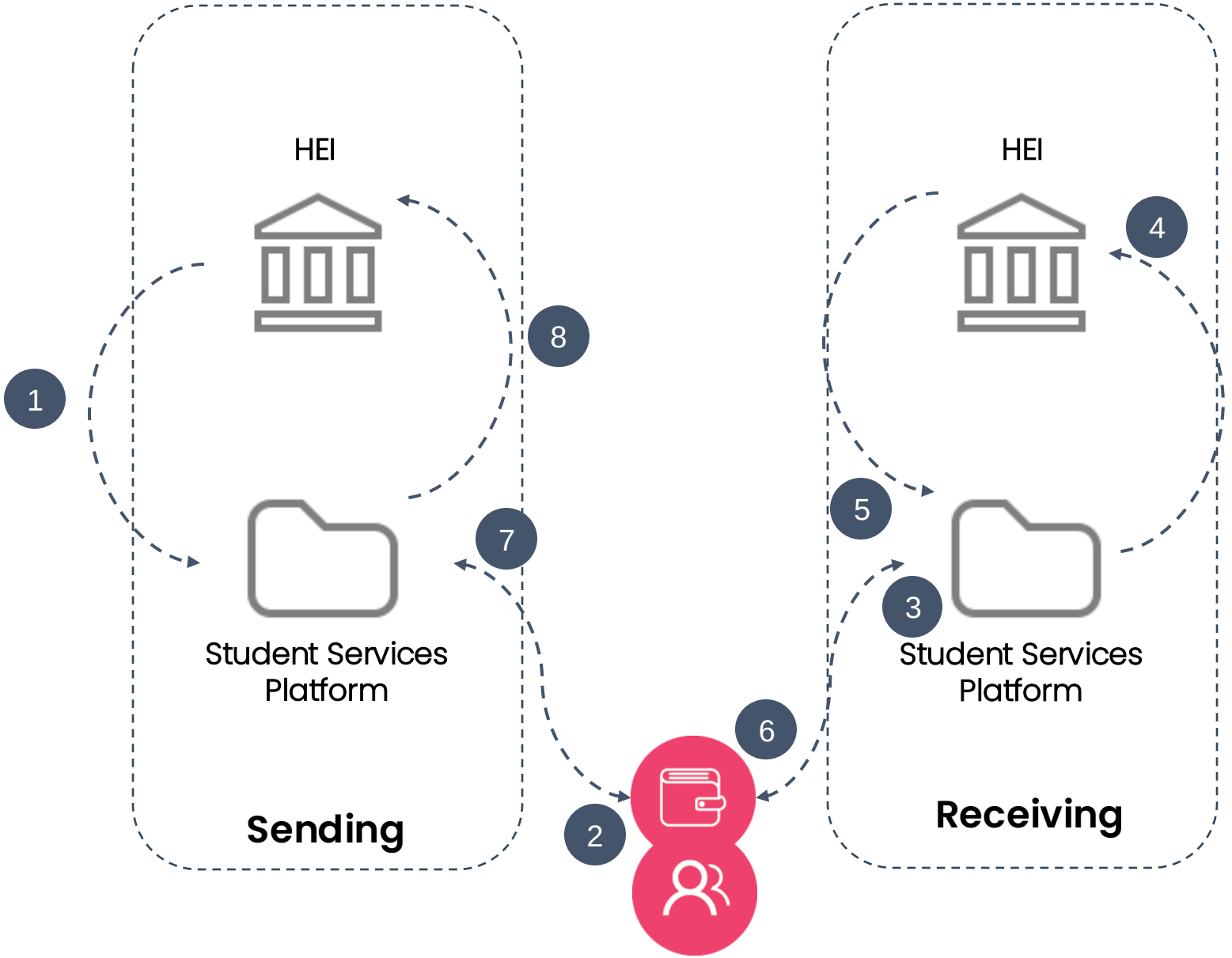
1 ESI via the student authentication mechanism - SSO * (Front-channel).

2 ESI transported via the EWP APIs (Back-channel)

[*] Requirements for service providers to get the ESI via the academic federations: https://wiki.geant.org/x/QwKCFQ

# Student Mobility: How things are imagined with the Wallet





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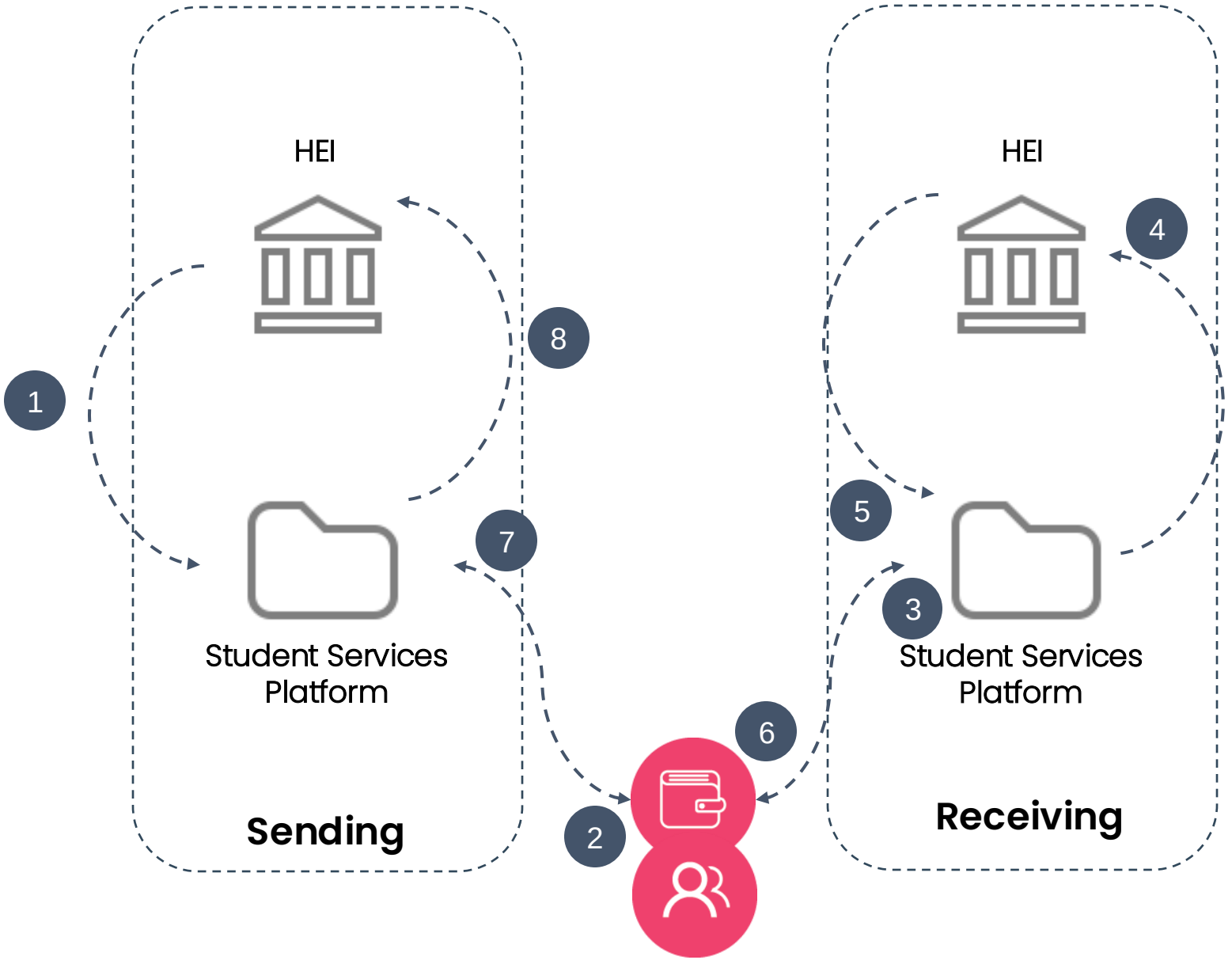


Hmm, is it true that all data need to be transfer between sending and receiving university will be transferred in the student's wallet??

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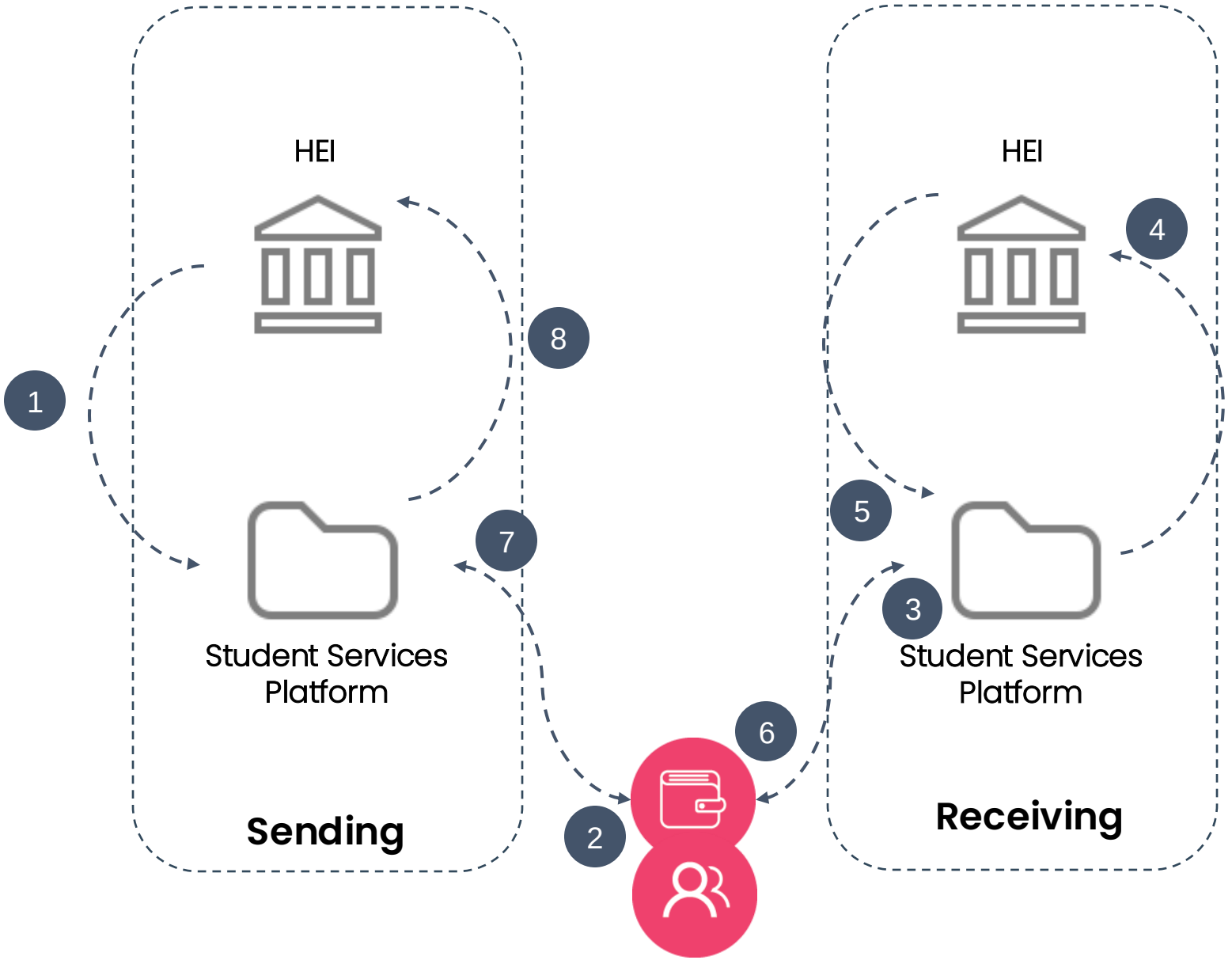


*Hmm, is it true that all data need to be transfer between sending and receiving university will be transferred in the student's wallet??*

*Probably not! The student's wallet will hold the academic identity of the student that can be used in order to get access to the student's data relevant for the mobility.*

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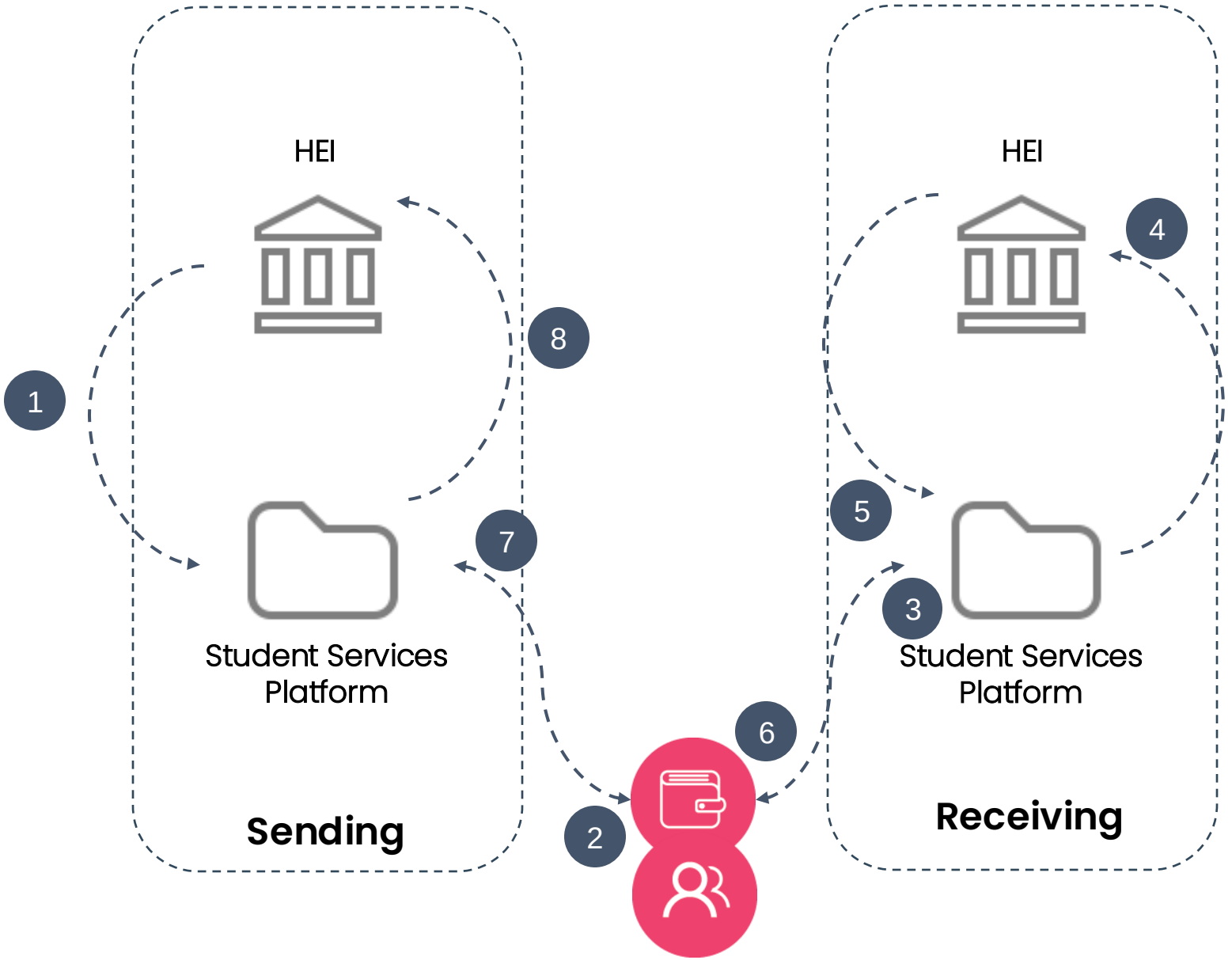


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Further, most probably we should get rid of the existing PUSH model from HEI to HEI and adopt a PULL model, where the student authorizes the Data Exchange between HEIs

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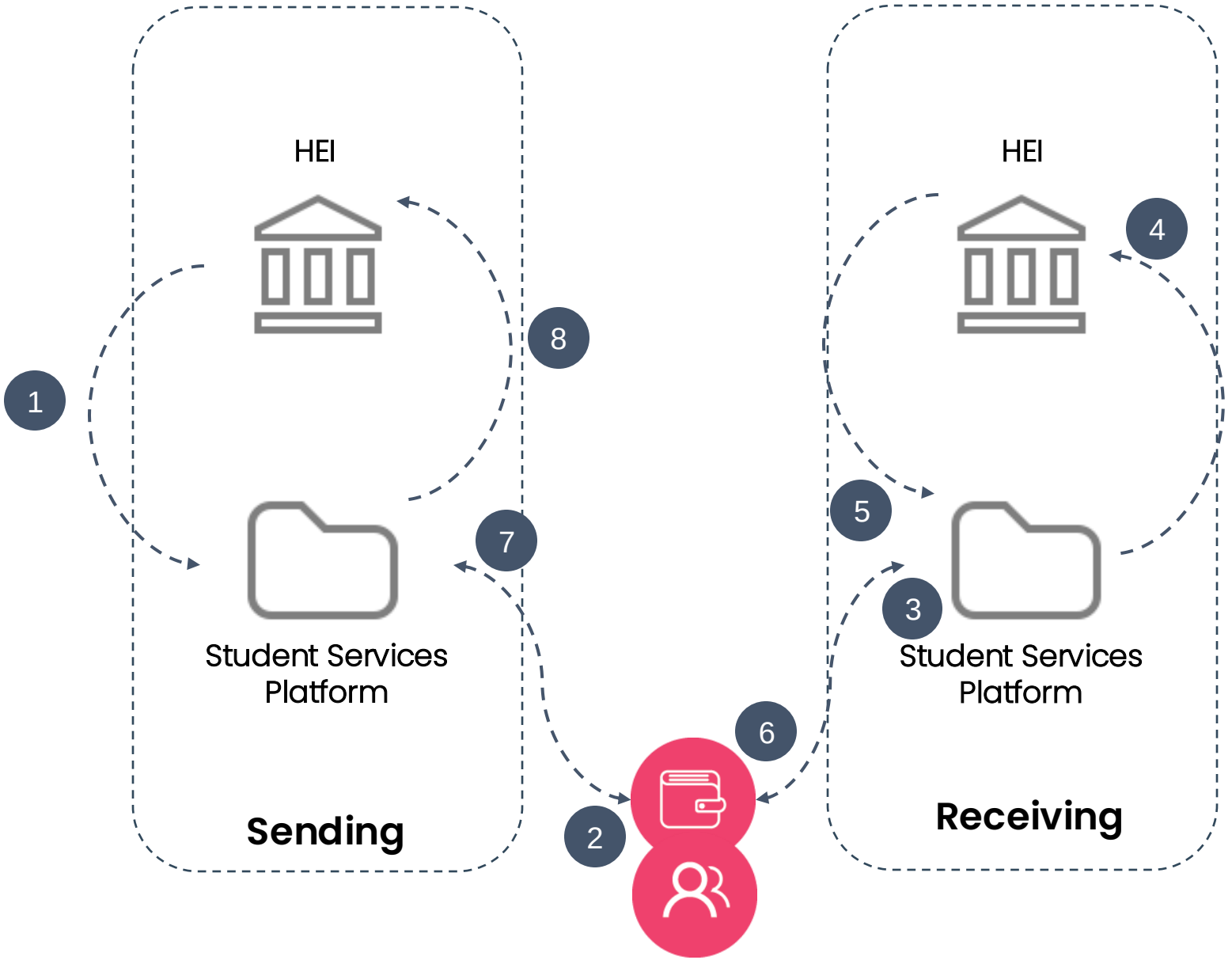


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Transition to OAuth2 Protected API full backed by a functioning OpenID Connect Federation (see Davide's talk for more)

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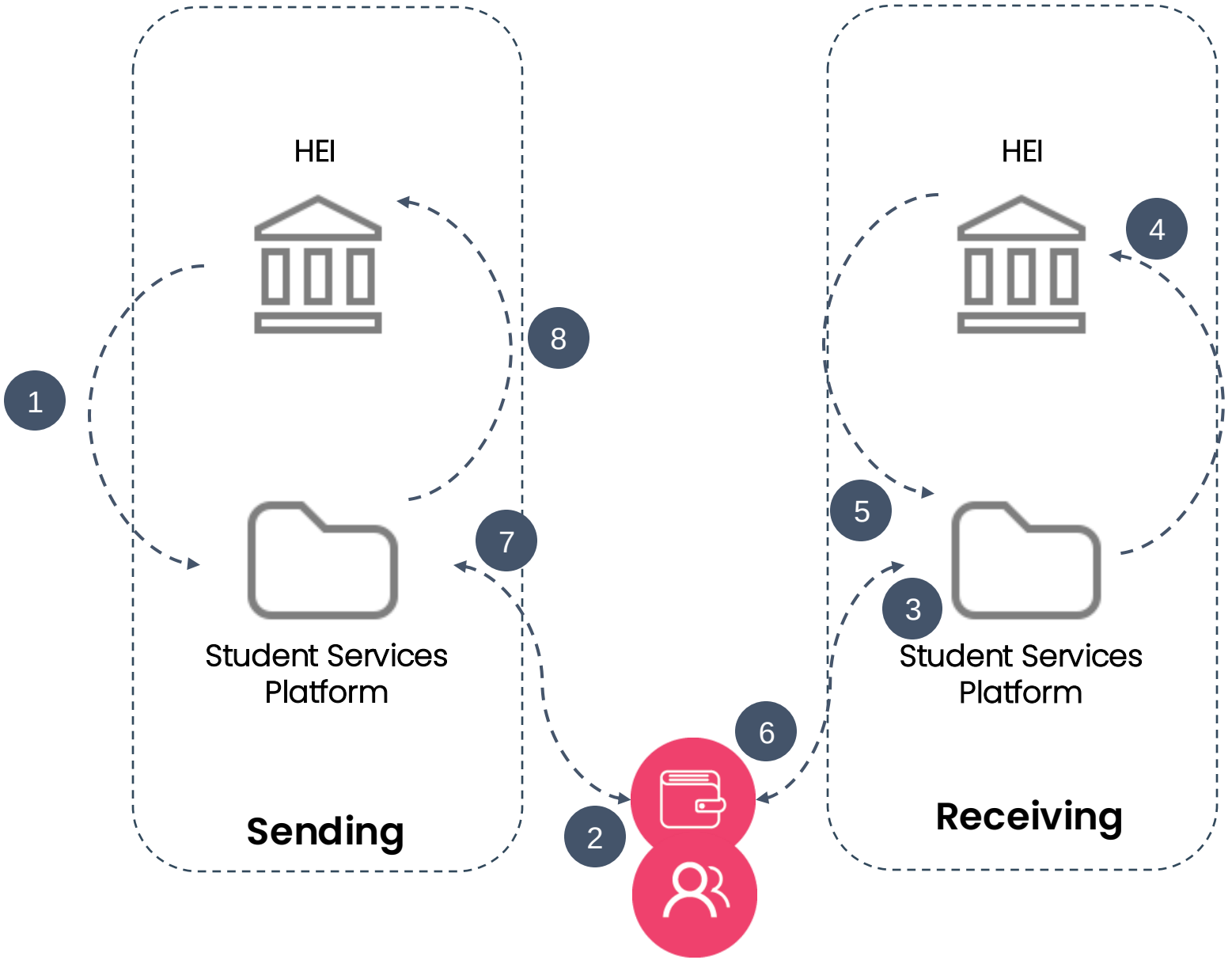


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Given these developments, do we still need the European Student Identifier?

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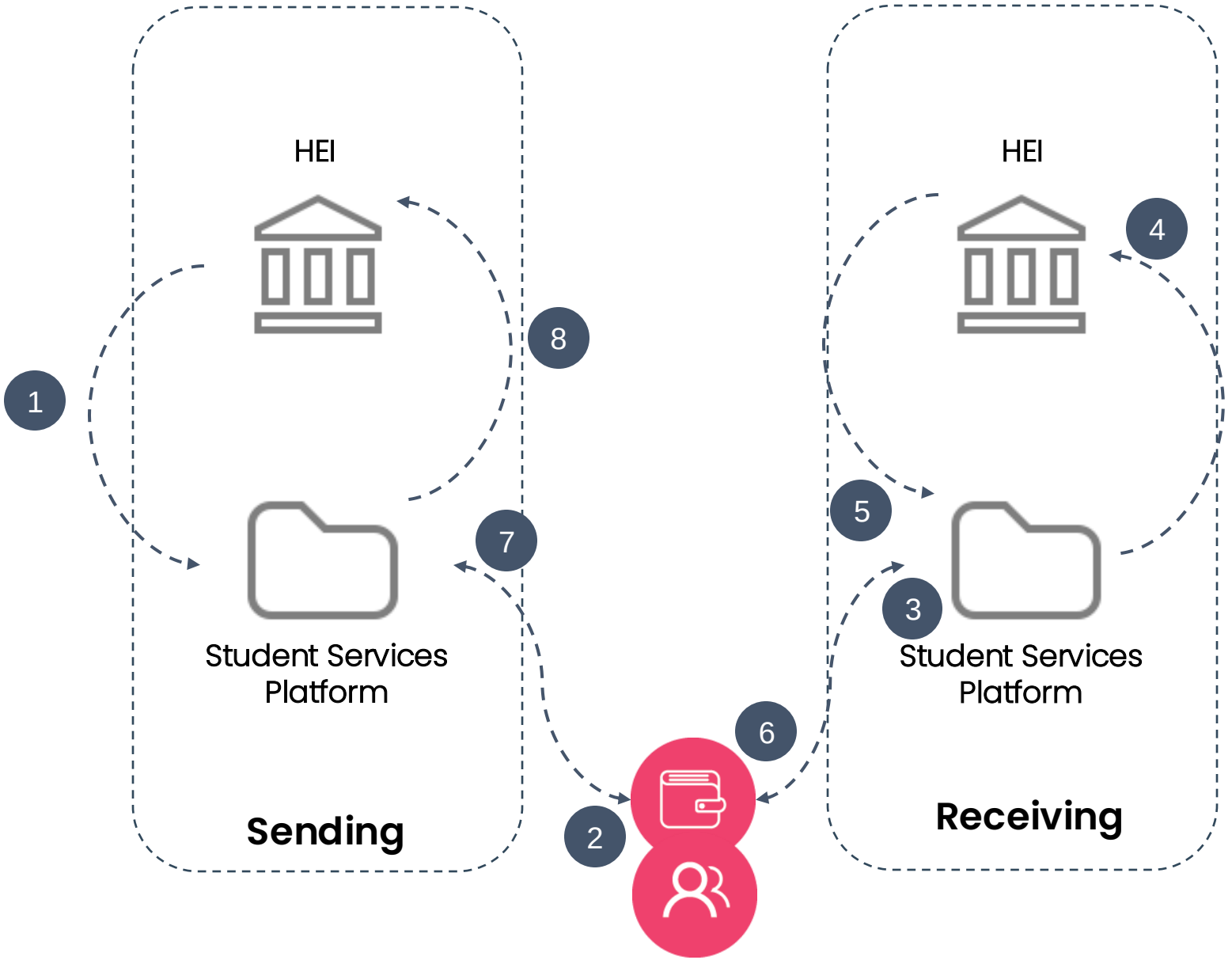


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This is a call for the ESI working group to revisit the topic and provide guidance on the way forward.

# Thank you!

May tanong?

Pitanja?

Questions?

Вопросы?

¿Preguntas?

سوالات

კითხვები?

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Vragen?

Questões?

Ebibuuzo?

Maswali?

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有問題嗎？

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Ερωτήσεις?

Fragen?

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