

AAI/Federated Identity application

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<http://cyberleninka.ru/article/n/udostoveryayu-schie-federatsii-nauchno-obrazovatelnyh-setey.pdf>

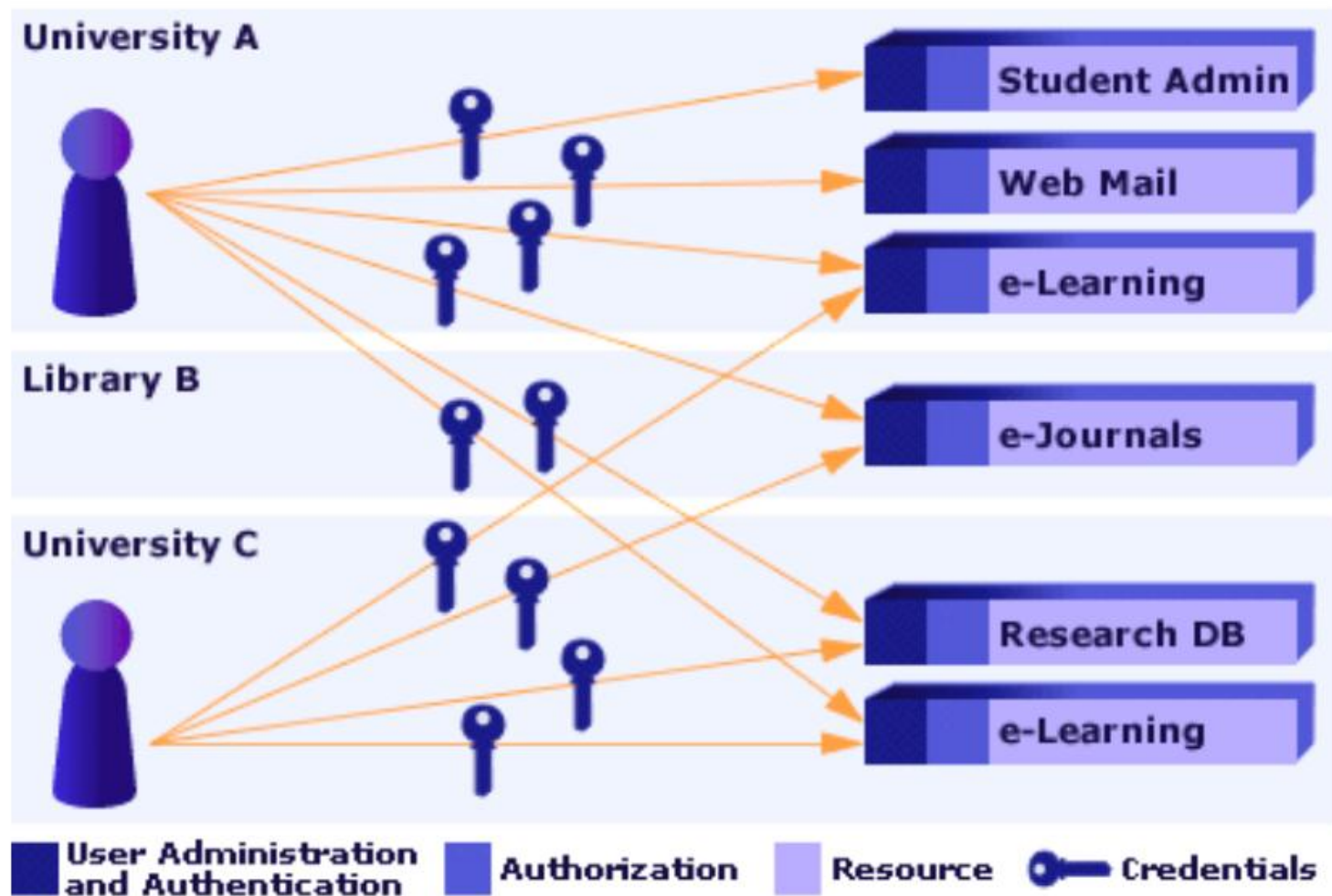
- Identity federation
- Удостоверяющая федерация – объединение институтов в научно-образовательных сетях, предоставляющих так называемую технологию «единого входа» (Single Sign On) для доступа к своим ресурсам.

Key terms

- Authentication – Verification (via a user ID and password) that a subject is associated with an electronic identifier. This is the responsibility of the identity provider
- Authorization – Determining whether a subject is eligible to gain access to a resource or service. The authorization decision is made by the service provider and is based on the attributes provided by the identity provider
- Attribute – A single piece of information associated with an electronic identity database record, such as name, phone number, group affiliation, email address, major

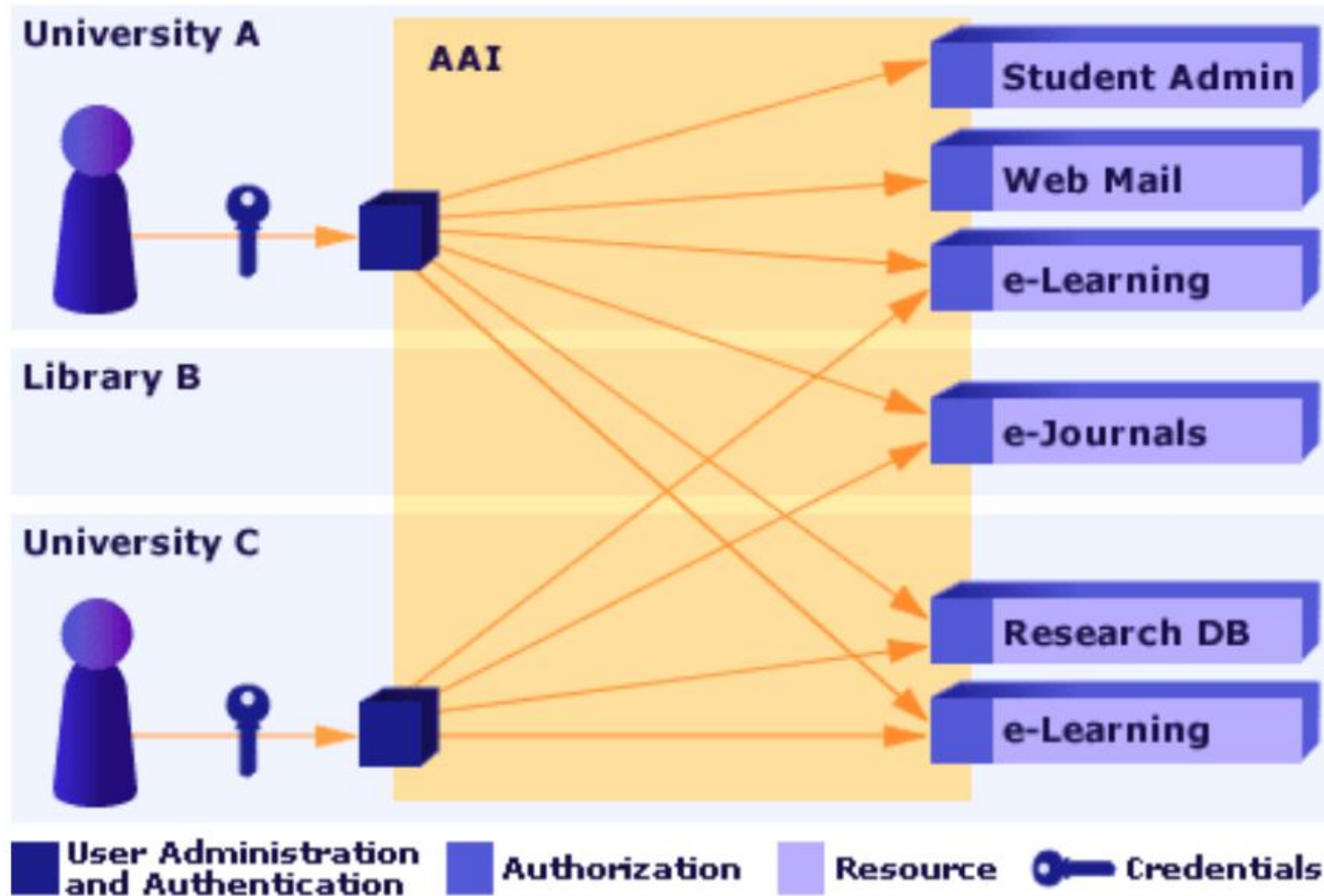
Federated authentication and authorization infrastructure

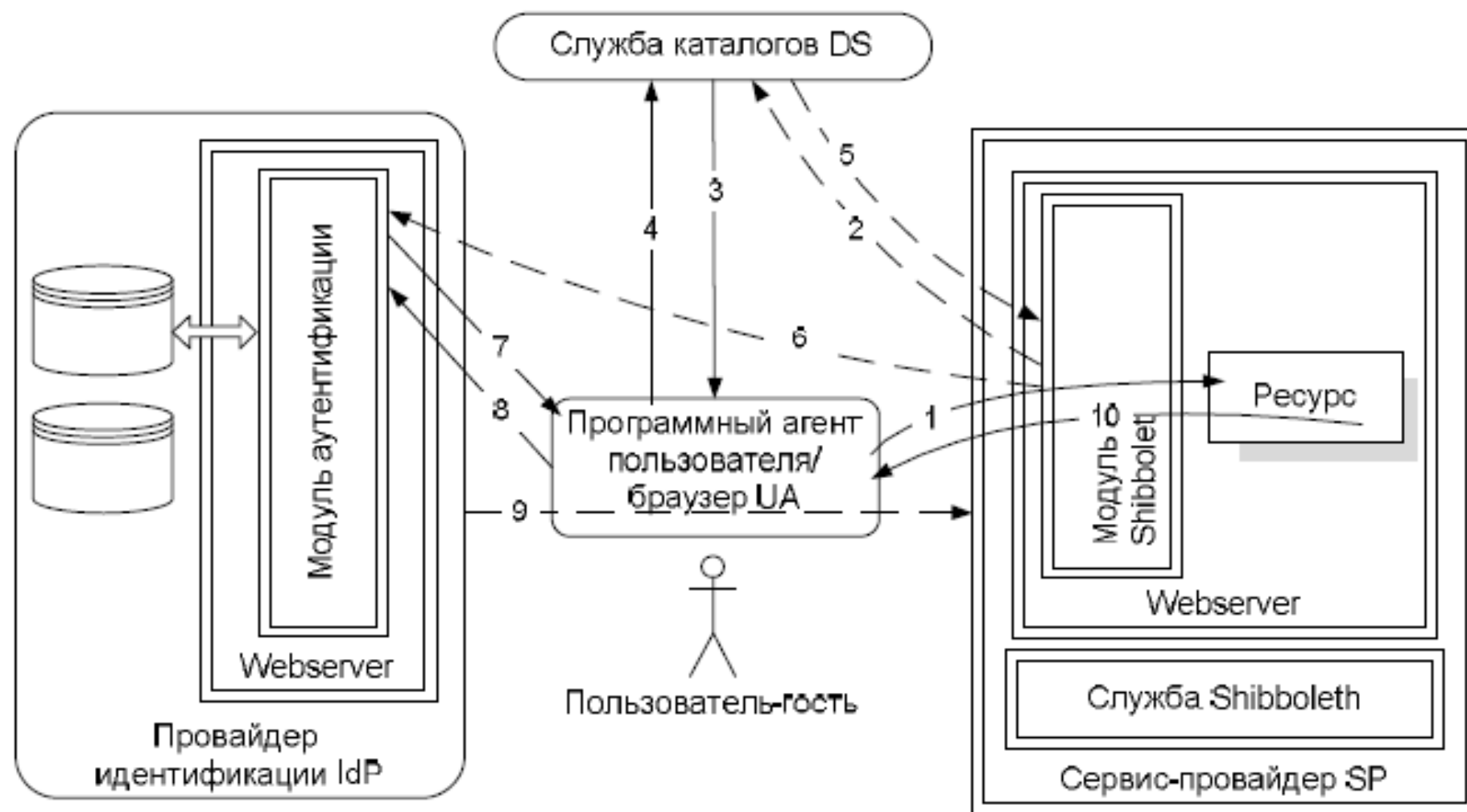
Fonte: SWITCH AAI-Federation



Federated authentication and authorization infrastructure

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1 – UA требует у SP доступ к ресурсу; 2 – SP перенаправляет UA к DS для выбора IdP; 3, 4 – Выбор IdP; 5 – перенаправление к SP с выбранным IdP в качестве параметра; 6 – SP направляет SAML-запрос на аутентификацию IdP; 7, 8 – аутентификация у IdP; 9 – IdP направляет SP SAML-ответ с атрибутами пользователя; 10 – UA получает доступ к Ресурсу.

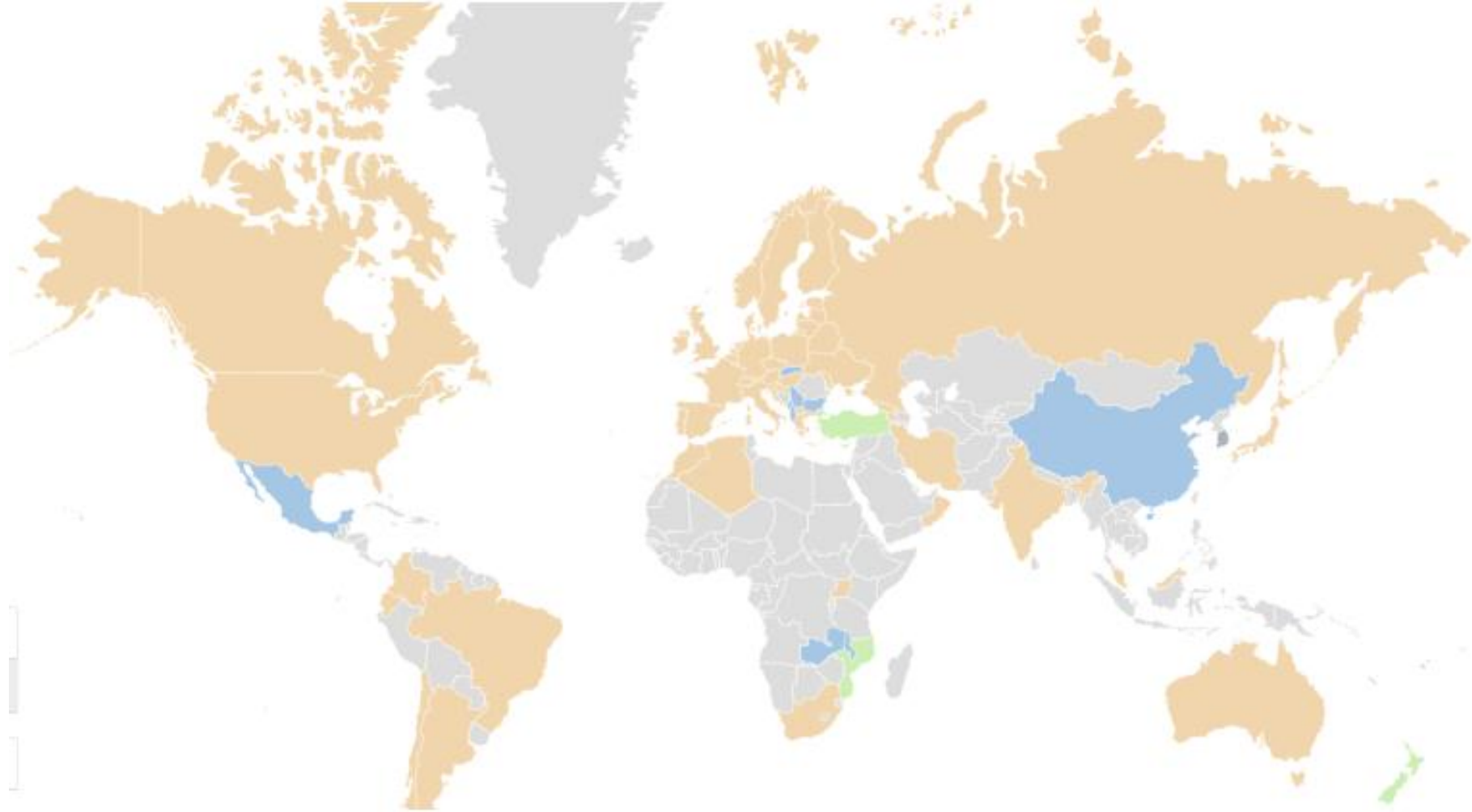
Рис. 2. Процедура авторизации в архитектуре Shibboleth

Federated authentication and authorization infrastructure



- **Examples of inner services:**
 - Project registration, registration of students, record notes, document sharing etc.
- **Examples of outter services :**
 - Access to digital libraries, resource sharing (CPU cycles, storage space), distance learning etc.
- A federation offers to institutions the authentication and authorization infrastructure necessary to interconnect people and share resources, information and services

eduGAIN federations



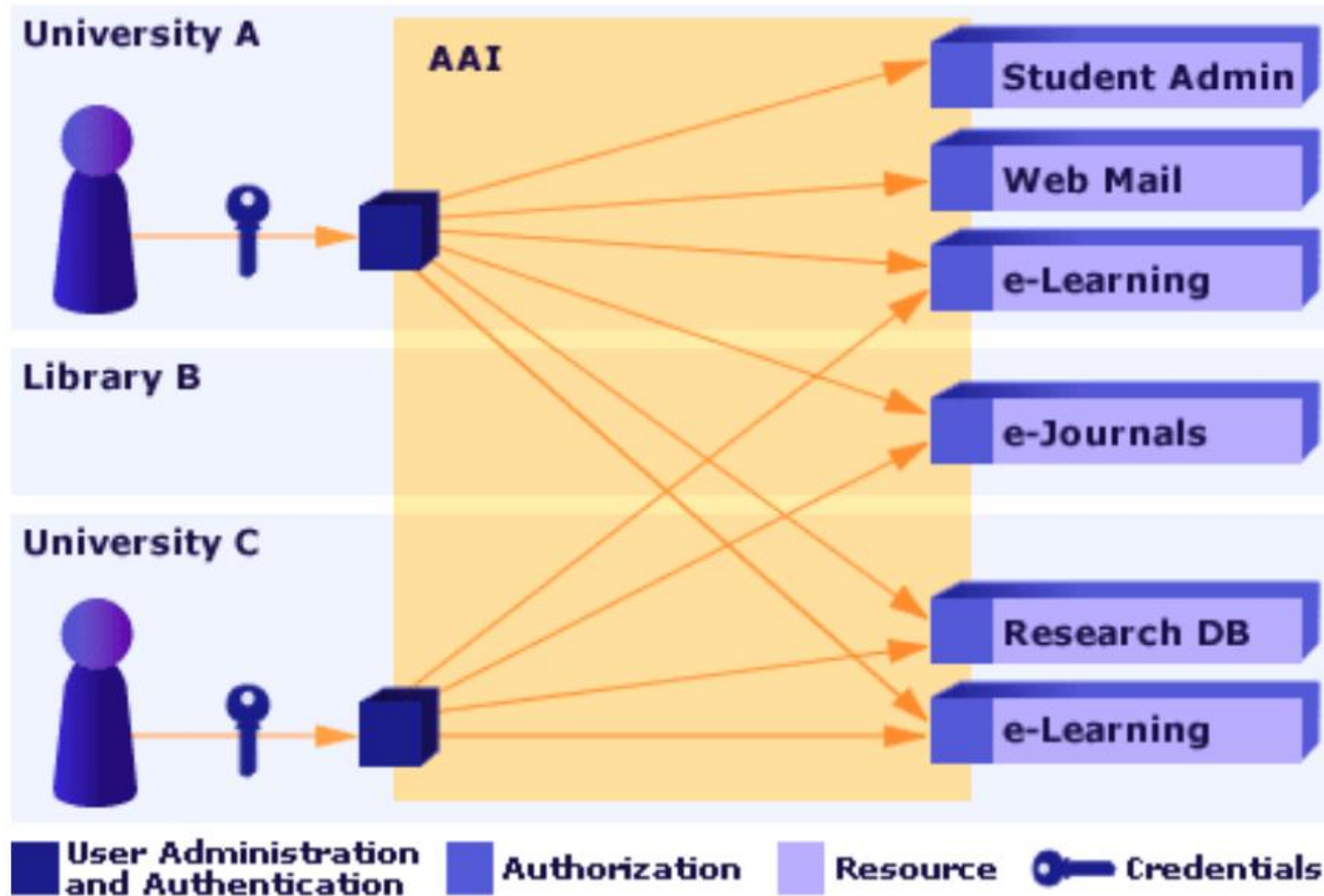
KIF (KRENA's Identity Federation) in process of joining eduGAIN

1. To apply for membership, the applicant federation signs the eduGAIN Policy Declaration and presents it to the eduGAIN Operations Team (OT).	9 August 2018 KRENA signed EduGAIN Policy Acceptance Declaration
2. The OT confirms that the applicant federation fulfils the requirements in Section 3.1 of the eduGAIN Constitution .	In progress the testing stage
3. Unless the eduGAIN Steering Group (eSG) has decided that the applicant federation does not need further approvals, the OT prepares and presents a proposal to the eSG to approve or reject the application.	
4. When an applicant is approved, the OT takes the necessary technical steps to register the federation to eduGAIN.	

Federated authentication and authorization infrastructure

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KIF



- Thank you for your attention!

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