

# Potential directions in the development of the Open Science system (for ASEM)

---

VALENCIA, SPAIN, 5-9 NOVEMBER 2019

CONSTANTIN SCLIFOS

MAIN PROGRAMMER

ACADEMY OF ECONOMIC STUDIES OF MOLDOVA (ASEM)

## The basic ideas:

---

- Modularity.

---

- Use of existing systems for the necessary operations

---

- Determining the standards / official acts / rfc / [OpenAIRE Guidelines](#) that will be the basis of the system.

---

- Integration with existing systems / applications

---

## The basic ideas:

---

- Data exchange with other nodes / modules

---

- Data exchange with external data sources (API ...).

---

- Using [DSPACE](#) as a base for this project (look for ver. 7), ORCHID for researcher profile.

---

- User profile: personal data, roles, etc.

---

- Last but not least: determining the requirements for information security.

---

# Identification and authentication ...

---

- Verifying the identity of the person when creating the user. Preferably's use identity federations: at the moment is based on SAML2, but preferably is OpenID Connect Federation [https://openid.net/specs/openid-connect-federation-1\\_0.html](https://openid.net/specs/openid-connect-federation-1_0.html)

---

- OpenID Connect would allow flexibility in development, including access to the API and the mobile version (as needed)

---

- The requirements regarding the profile of the user and those of the researcher.

---

- Inform the user about events. Including those related to the system. Management with access to personal data (from the user's point of view).

---

# Informing users. Exchange of data between users. ...

---

- Requirements for informing users depending on different factors.

---

- Forums, messages, video conference: one to one, group of users.

---

- Inviting people (if necessary) from outside to participate in discussions in video conferences.

---

- Preferably the integration of existing systems for these operations.

---

Questions?