

ASREN's strategy towards supporting libraries in Open Science activities

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Academic Library

Traditional Role:

To avail/maintain access to Information, Resources, ICT services, Space.



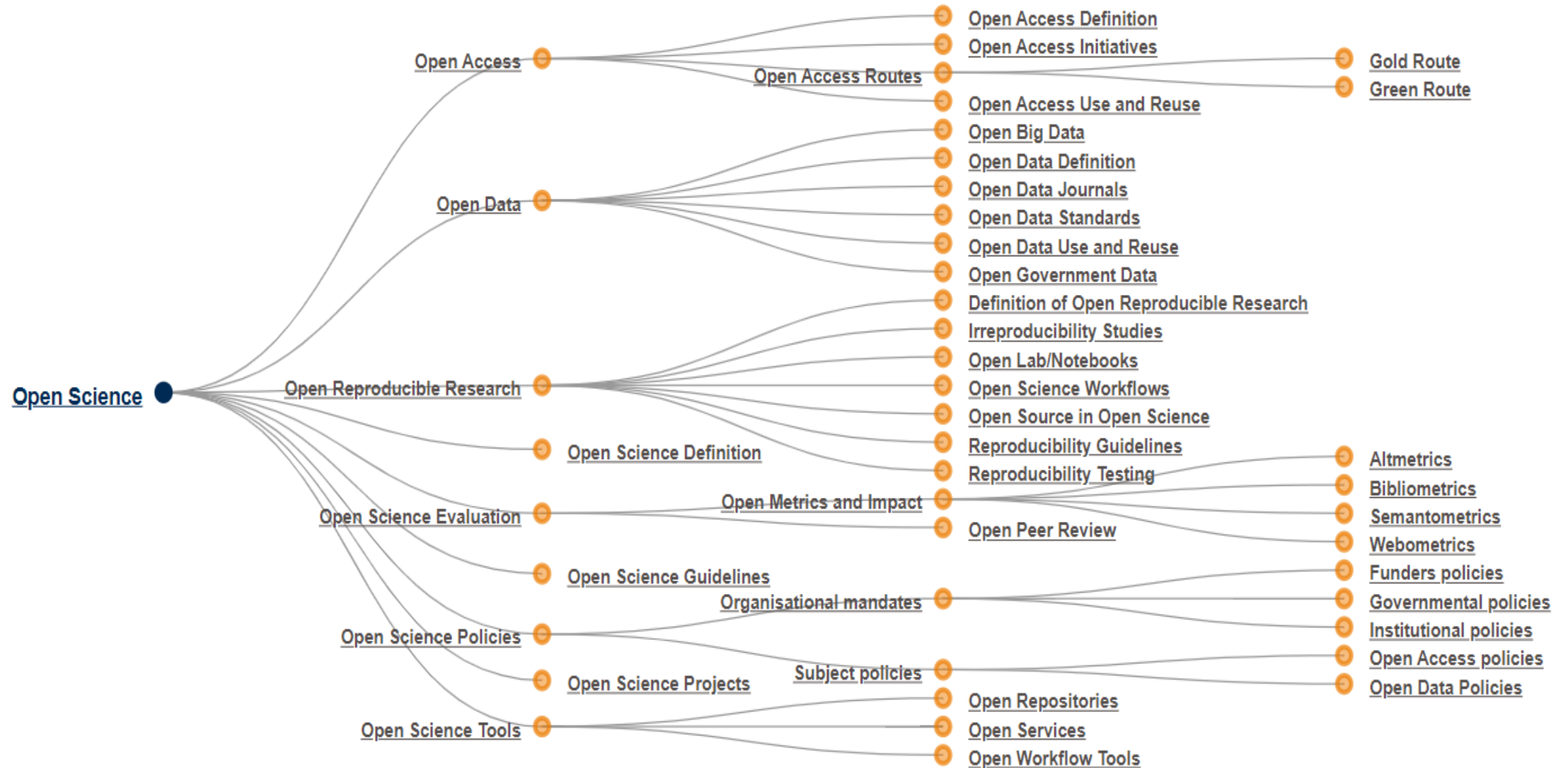


Open Science

Definition:

Open Science is the practice of science in such a way that others can collaborate and contribute, where research data, lab notes and other research processes are freely available, under terms that enable reuse, redistribution and reproduction of the research and its underlying data and methods.

Open Science \neq Open Access



*Academic libraries
already become
involved in some
aspects of this new
environment:*



In promoting OA



Setting up publishing services



**Developing research data management
policies**



Running repositories

Open Science & Academic Libraries Role

The role of libraries on open science has been recognized and discussed at multiple platforms and endorsed publicly by international organizations and stakeholders.

Academic libraries to play an important role as enablers of open science and ultimately support an inclusive and innovative research community.

Role In Open Science Era: Libraries as Enablers.

Preserving, connecting & versioning scholarly content.

Giving support to the infrastructure.

Contributing to the RDM policies and strategies.

Advocacy & awareness on benefits of Open Science.

Training & supporting researchers to open their research workflows.

Competencies/Skills Needed

Ability to advise on preserving research outputs

Knowledge to advise on data management and curation, including ingest, discovery, access, dissemination, preservation, and portability.

Knowledge to support researchers in complying with the various mandates of funders, including open access requirements.

Knowledge to advise on potential data manipulation tools used in the discipline/subject.

Knowledge to advise on data mining;

Knowledge to advocate, and advise on, the use of metadata.

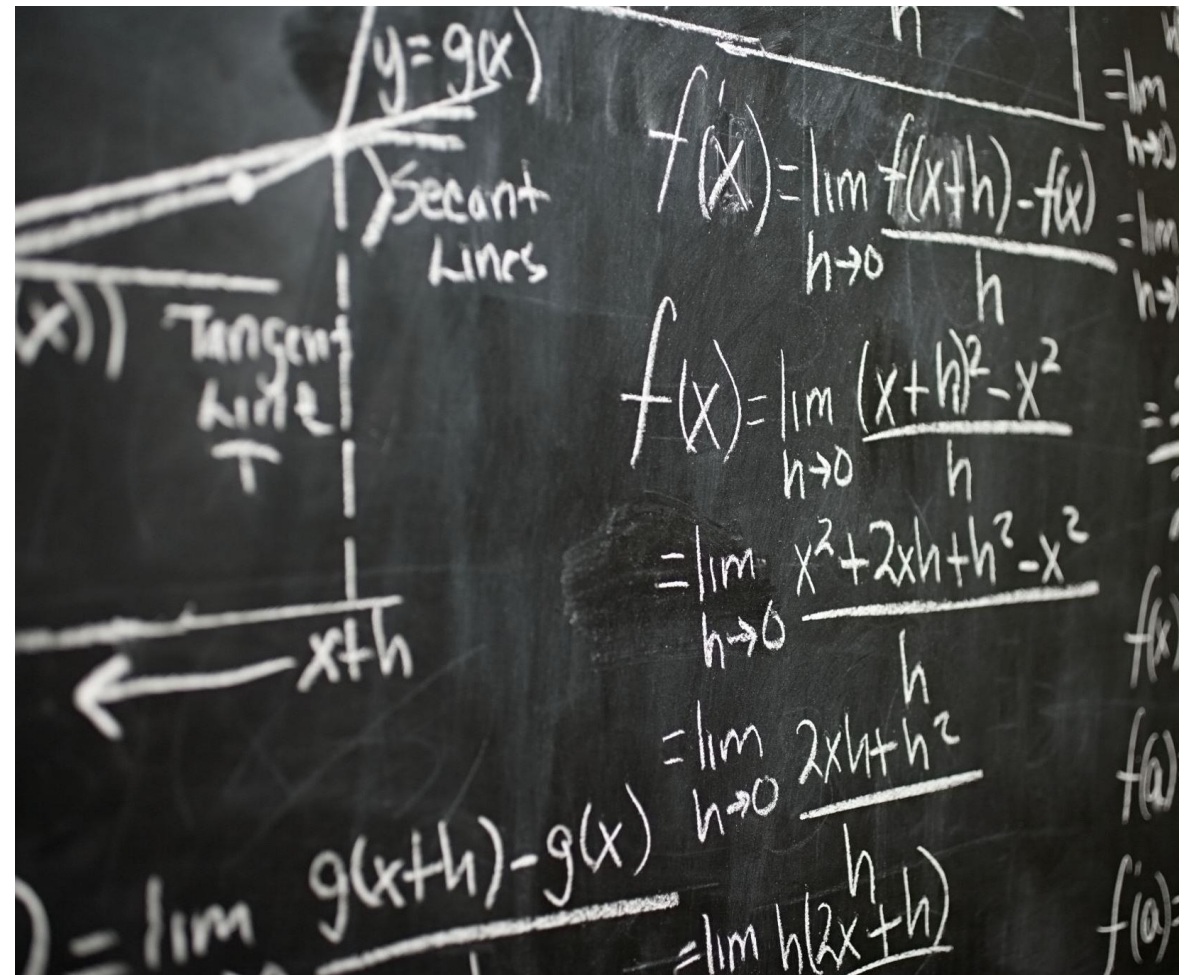
Ability to advise on the preservation of project records (e. g. correspondence).

Knowledge of sources of research funding to assist researchers to identify potential funders.

Skills to develop metadata schema, and advise on discipline/subject standards and practices, for individual research projects.

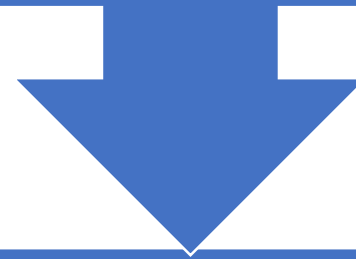


***ASRENs Strategy On
Open Science &
Supporting Libraries.***



LIBSENSE Initiative

was launched in 2016 to bring the research and education networks (RENs) and academic library communities together to build sustainable and relevant approaches for open access and open science.



Outcomes of the LIBSENSE initiative

Terms of Reference for NREN-Library collaboration.

Metadata guidelines for repositories.

Plans for a regional repository hosting service.

National and institutional policy templates.

Collaboration with PIDs providers: DataCite & ORCID

Technical awareness sessions/Trainings for RREN staff and for libraries/research communities to address the Importance of PIDs .

ASREN have continuous discussions with DataCite & ORCID , ASREN/NREN aims to be PIDs provider/enabler in its region.

ORCID and ASREN have signed a Memorandum of Understanding (MOU) to facilitate the adoption of ORCID IDs and use of ORCID's Registry amongst members of ASREN's community.

Collaboration with LA Referencia

The aim of the collaboration is to advance open science policies, services and infrastructure.

ASREN will start to adopt and contribute in “LA Referencia” setup internationalization.

Collaboration with EOSC

The European Open Science Cloud (EOSC) is an environment for hosting and processing research data to support EU science.

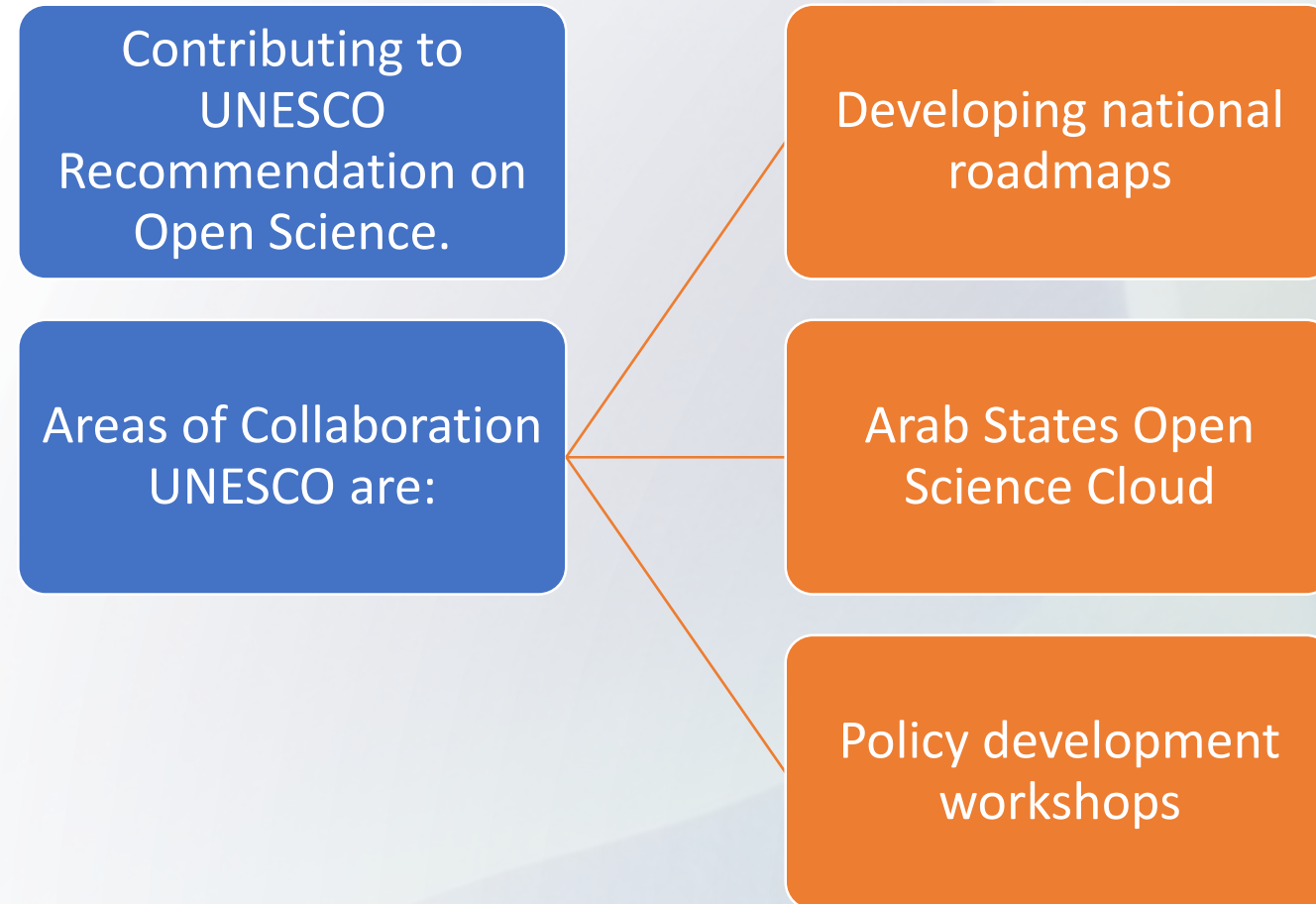
EOSC ultimately aims to develop a Web of FAIR Data and services for science in Europe upon which a wide range of value-added services can be built. These range from visualisation and analytics to long-term information preservation or the monitoring of the uptake of open science practices.

ASREN became Observer member at EOSC Association in March 2021.

ASREN team started to participate in EOSC Advisory Groups/Task Forces.

ASREN is counting on the collaboration with EOSC to initiate an Arabian Open Science Cloud setup.

Collaboration with UNESCO





ANY
QUESTION
?

THANK
YOU