



- +
-
-

ACADEMIC LIBRARIES ROLE IN OPEN SCIENCE ERA

Raed K. Al-Zoubi
Library Director – JUST University

What We mean by Libraries ?

Library as a Collection (of resources).

Library as a Building or Space.

Library as Function, that is the organization of Information.

Library as a Service, a supporting role in the context of the organization.

Academic Libraries:



Academic Library role (traditionally) to avail/maintain 'publications' (physical or digital) and make them discoverable.

Academic libraries need to be more creative and innovative to meet the dynamic needs for academic excellence in teaching, learning and research.

To be the information gateways in the digital age.



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.

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



In promoting OA



Setting up publishing services



Developing research data management policies



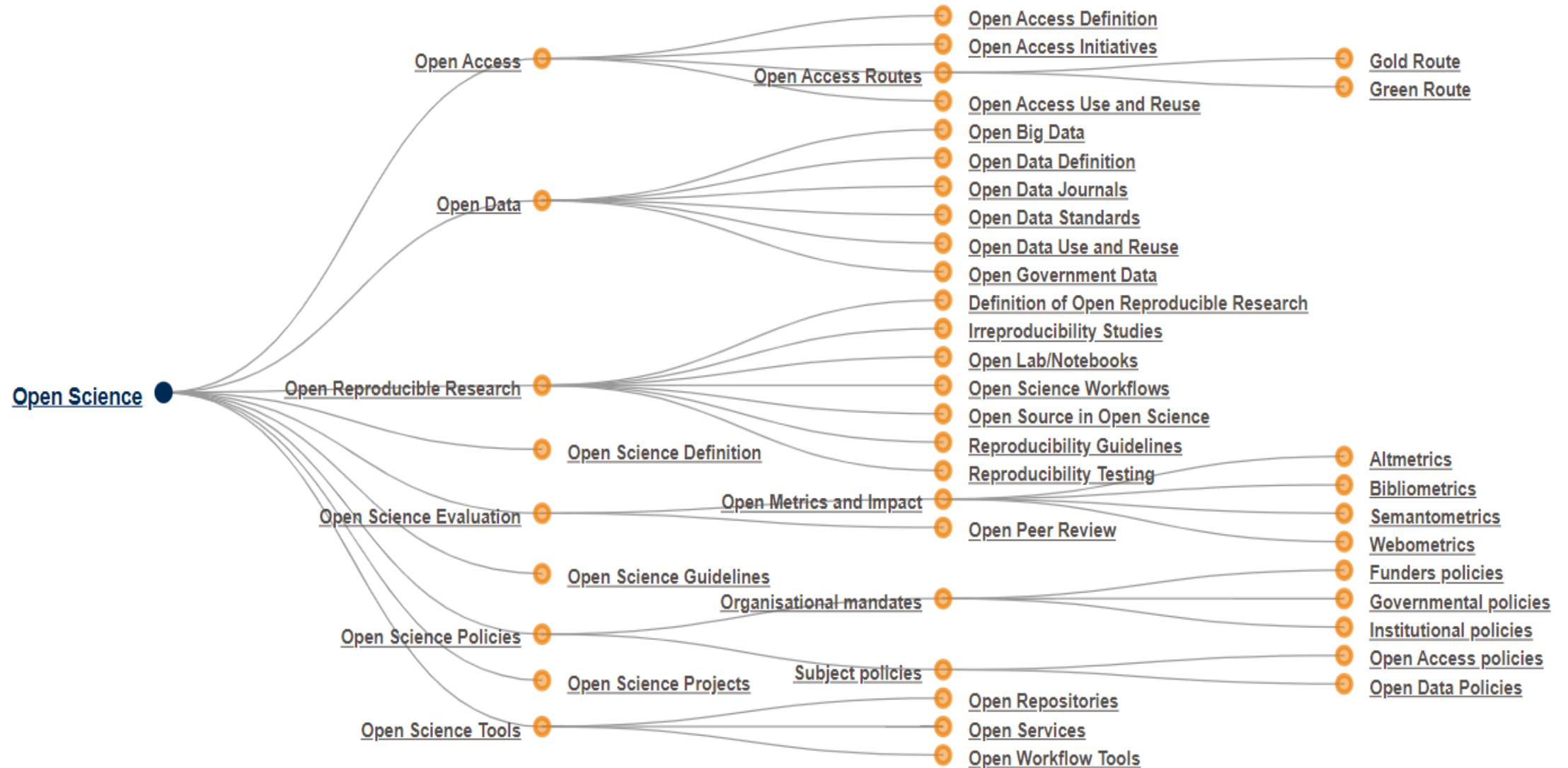
Running repositories

Scimago Journals Ranking List: *Open Access Journals growth.*



Year	Total No.	OA No.	%
2000	17867	1257	7
2010	31389	3672	12
2020	32958	6855	21

Open Science ≠ Open Access



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.

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.

Who Can Support Libraries?



Global
Organizations:
UNESCO

Regional
Organizations:
ALECSO

Associations :
AArU

RREN: ASREN



THANK YOU

ralzoubi@just.edu.jo
