

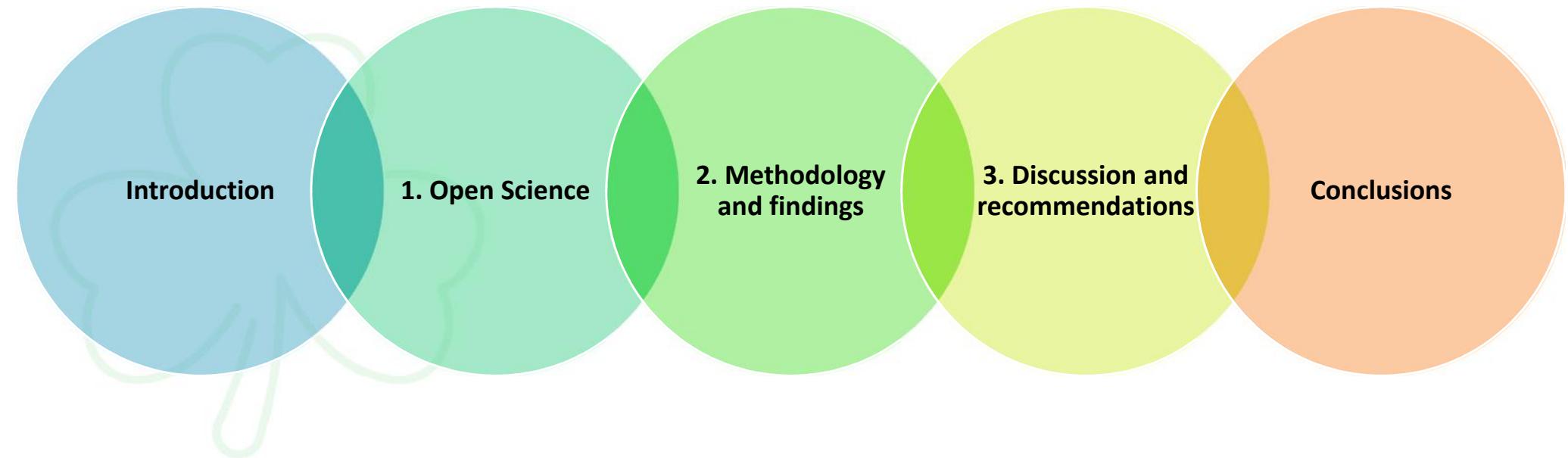
Juan Miguel Palma Peña (jemajumi@hotmail.com)

National Autonomous University of Mexico

Functions of Scholarly Libraries to Encourage Open Science: Analysis to Face Desinformation



Agenda



Introduction



Transition of scholarly communication for openness of research outputs



Lack of a path on collaboration of libraries to implement open science and eradicate desinformation



Scholarly libraries and open science are linked by common goals

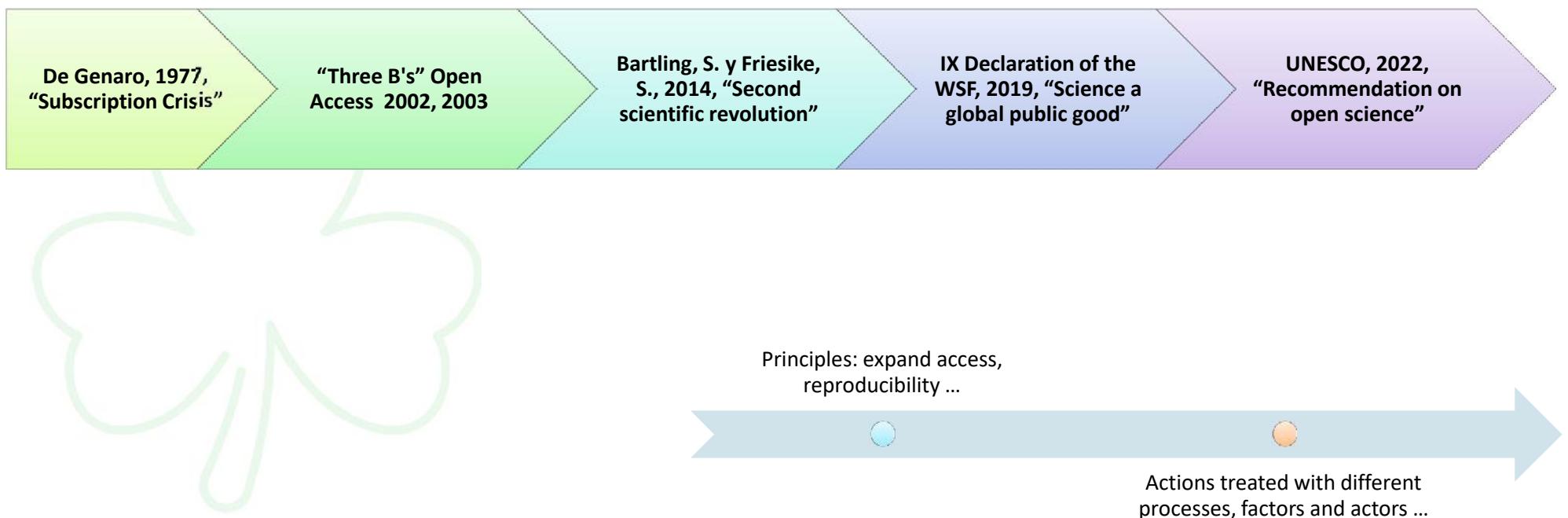


A core factor to Open Science is declarations and actions of actors



Aim: study relationship between open science and scholarly libraries a global level

1. Open Science: background

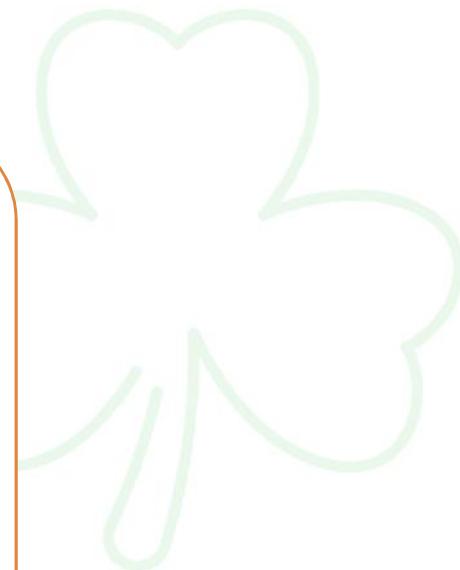


1. Open Science: concept

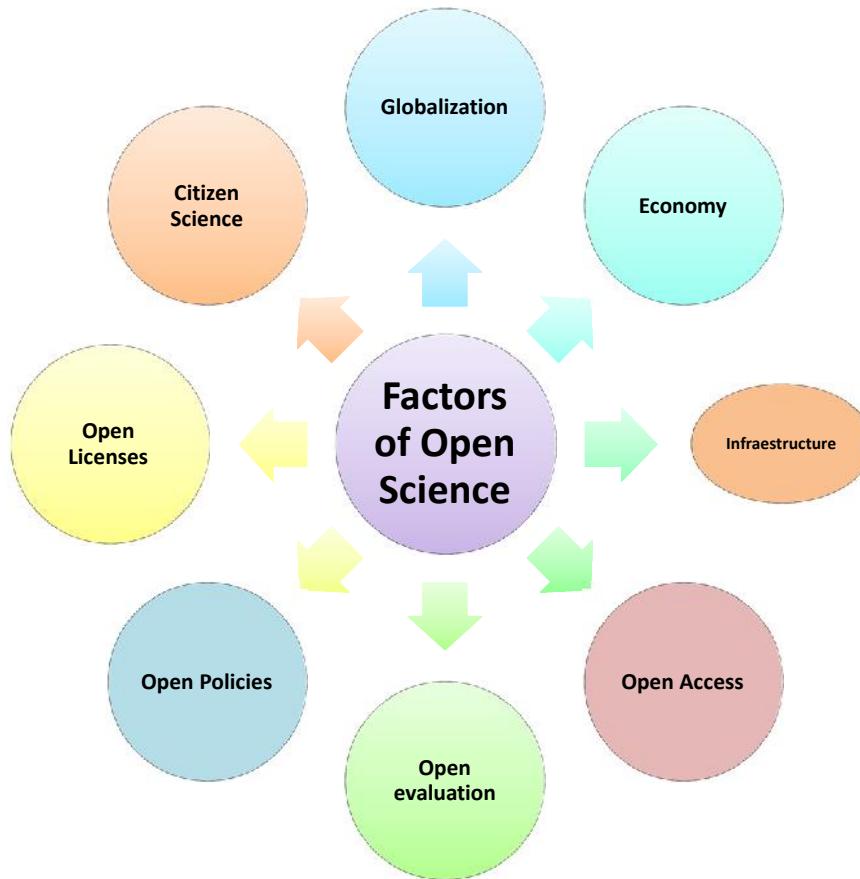
Concept:

“ ... inclusive construct that combines diverse movements and practices with the aim of making scientific knowledge openly available, accessible and reusable for all, to increase scientific collaborations and the exchange of information for the benefit of science and society, and to open the processes of scientific knowledge ... is based on the following key pillars: open access to scientific knowledge, open scientific infrastructures, open science communication, open participation of social actors and open dialogue with other knowledge systems. ”

- UNESCO, 2021. “*Recommendation on Open Science*”.



1. Open Science: factors



2. Methodology and findings

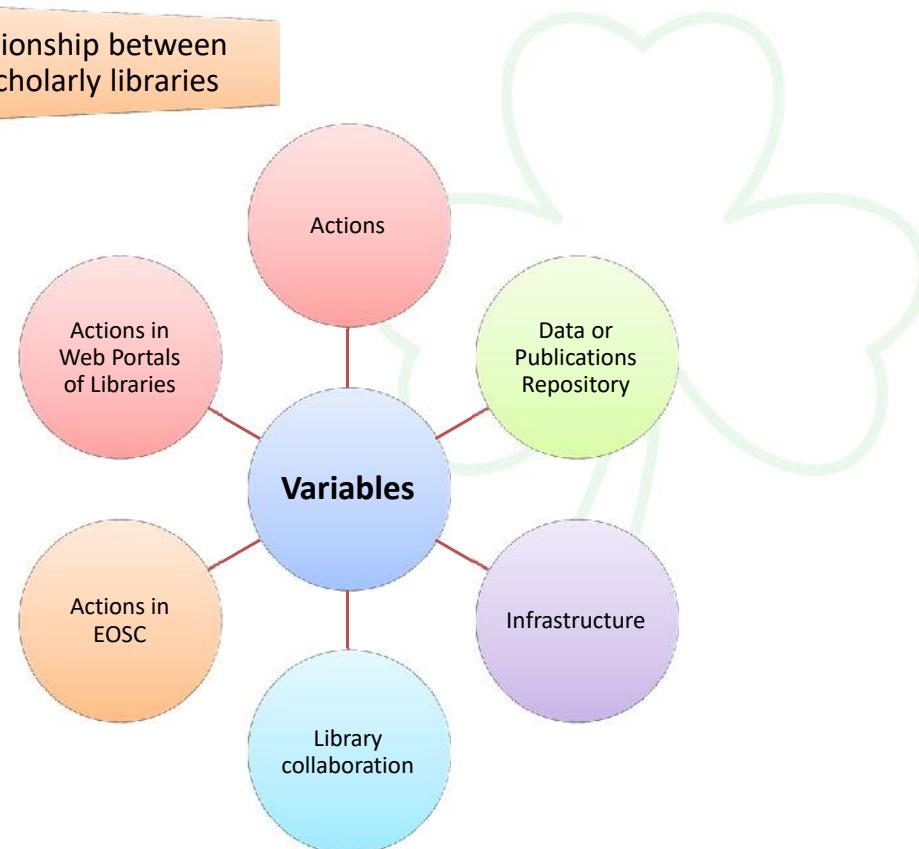
Exploratory study of declarations and actions of open science at a global level.

Purpose: study relationship between open science and scholarly libraries

Methodology

Mixed research study

- Web portals of libraries
- European Open Science Cloud (EOSC)

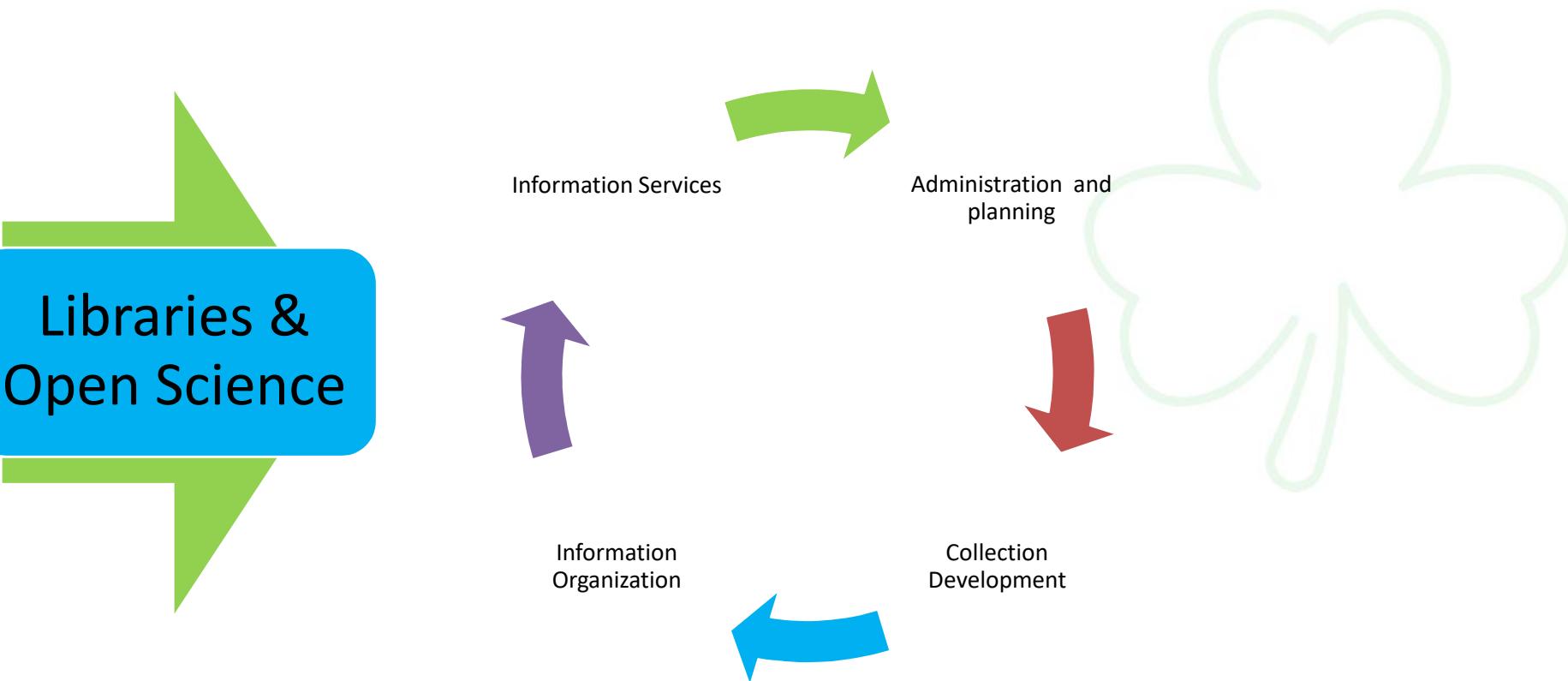


3. Methodology and findings

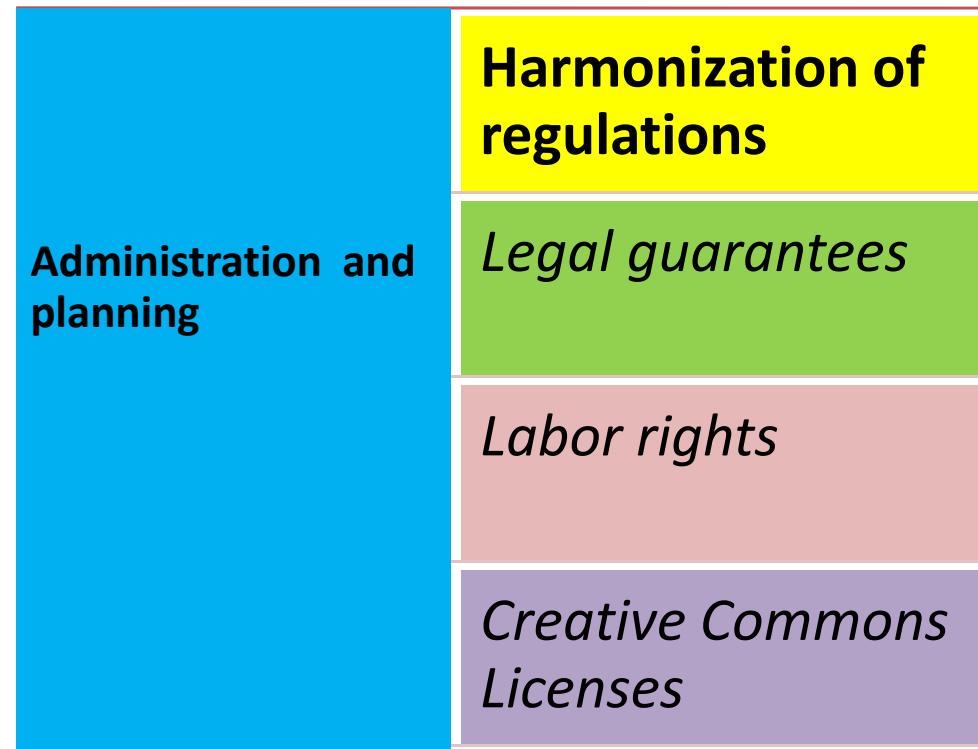
Findings

Country	Argentina	Brazil	Colombia	Chile	Ecuador	Netherlands	Mexico	Peru	Spain	United Arab Emirates	United States of America	United Kingdom
Open Science Actions	X	X	X	X	X	X	X	X	X	X	X	X
Data or Publications Repository Infrastructure	X	X	X	X	X	X	X	X	X	X	X	X
Library Collaboration	X	X	X	X	X	X	X	X	X	X	X	X
Actions in EOSC	X	X	X	X	X	X	X	X	X	X	X	X
Actions in Web Portals of Libraries	X	X	X	X	X	X	X	X	X	X	X	X

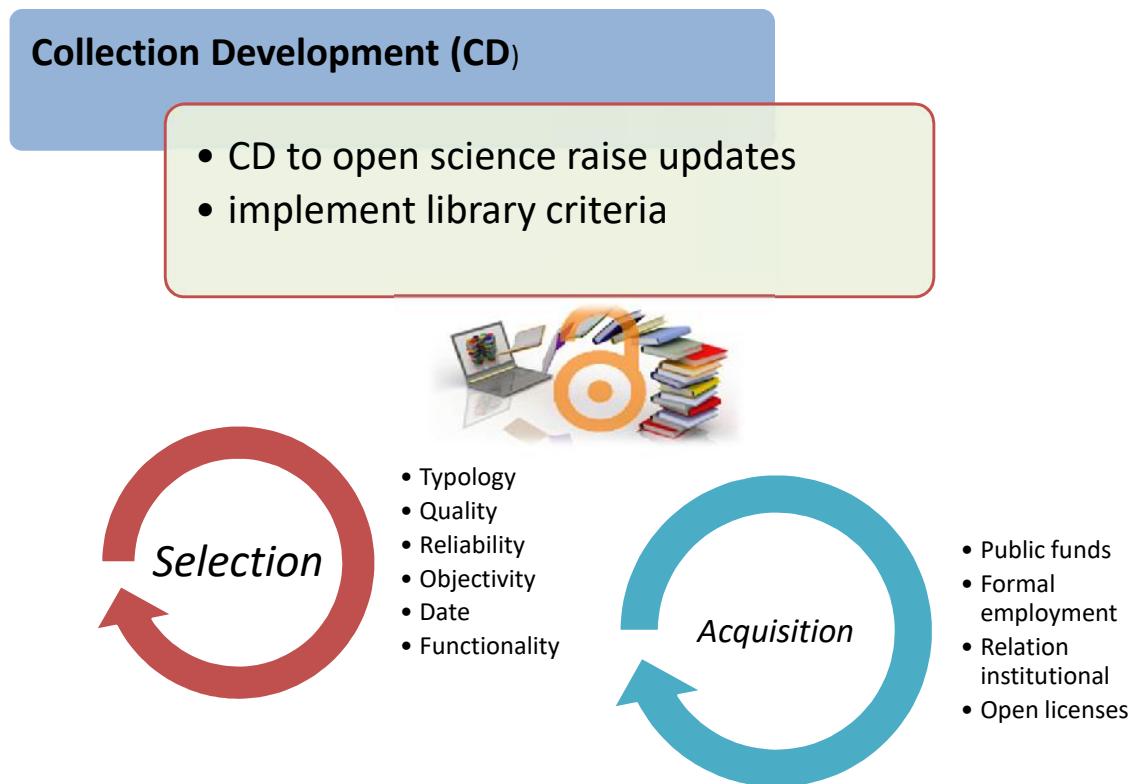
3. Discussion and recommendations



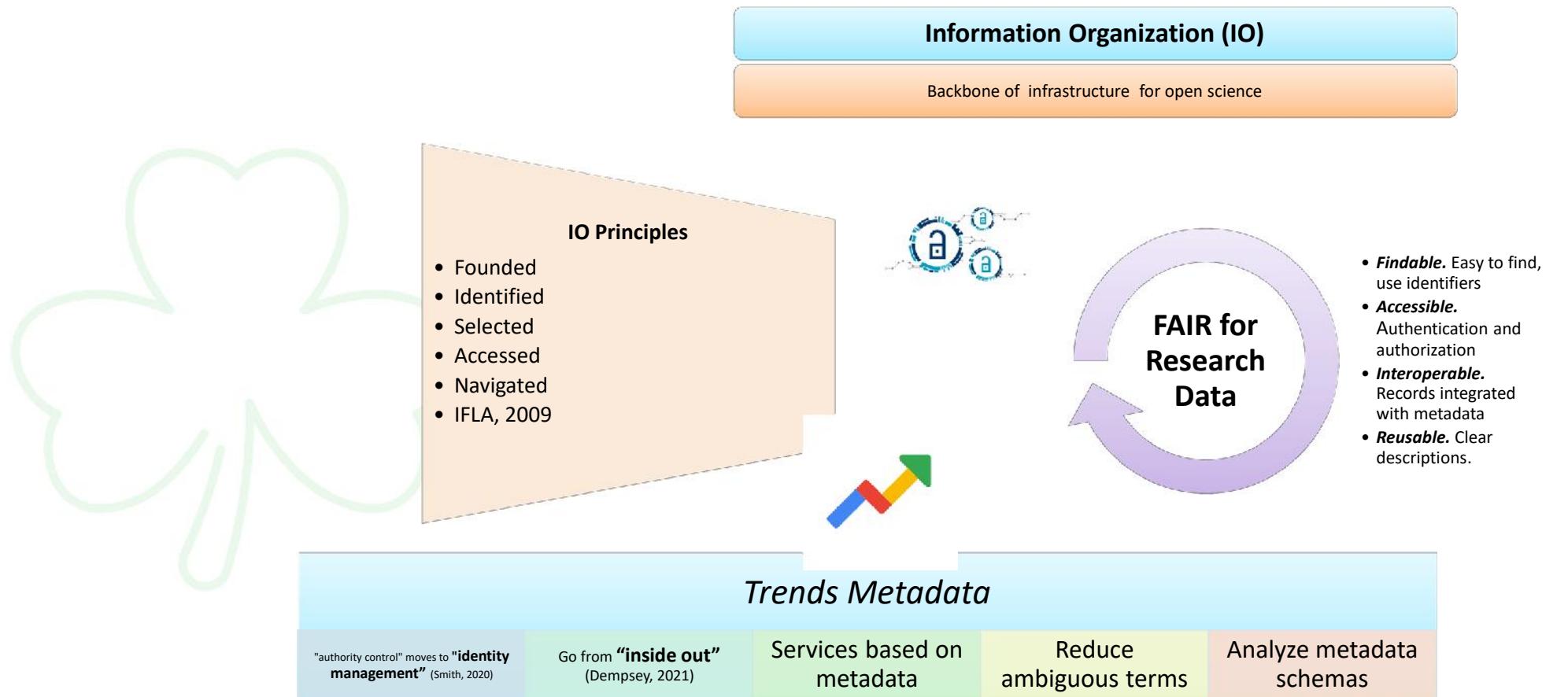
3. Discussion and recommendations



3. Discussion and recommendations



3. Discussion and recommendations



3. Discussion and recommendations



- go from being providers to being collaborators.
- Go “inside out”.
- Data Repositories.
- Scientific skills literacy.
- Management plans.



Conclusions



Open science foster a paradigm shift for openness to content financed with public funds

Societies have never before had such a need for openness to information as to date to eradicate desinformation.

Research data repositories are becoming increasingly relevant and need continue to study

Findings of analysis of open science at Global level show that their progress is gradual and need regulation

Libraries are open science laboratories because this entities have elements that encourage of movement.

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jemajumi@hotmail.com

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