



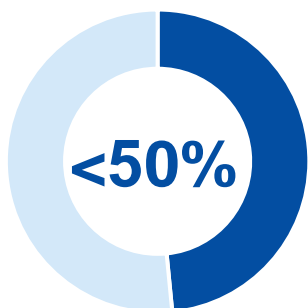
Open Science policy and implementation

Dejan Dvorsek

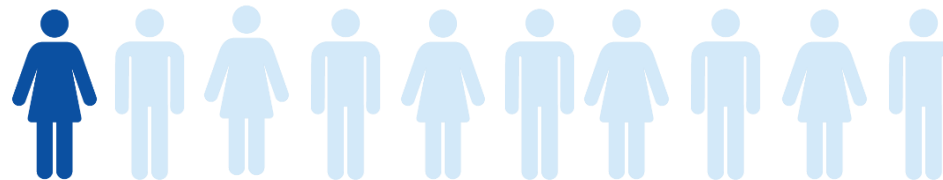
European Commission, Directorate-General for Research & Innovation,
Unit 'Open Science and Research Infrastructures'

*Open Science for higher quality, more efficient and
impactful research – Opportunities for Regions and Cities*

Brussels, 15 June 2023



Scientific publications
available in open access



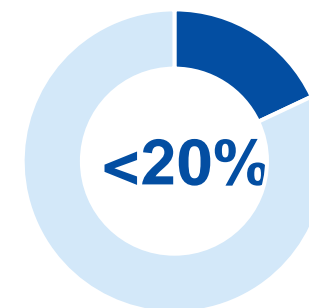
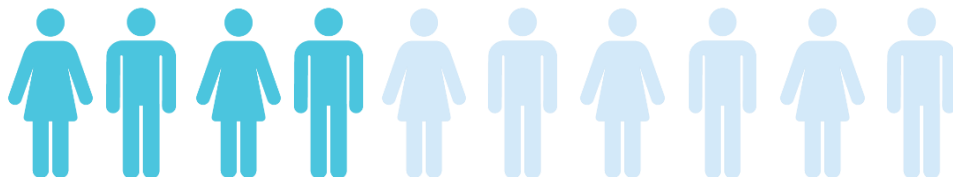
Authors who retain copyright in contracts
with largest subscription journals



3€ billion per year

National public funding for
pan-European Research Infrastructures

Researchers who occasionally store research
data in shared/non-local repositories



Researchers who put FAIR
principles into practice

How to address these challenges?

Immediate and **unrestricted**
open access to research
outputs

Responsible research output
management, in line with **FAIR**
principles

Early and **open** sharing of
research: methods, data,
preprints

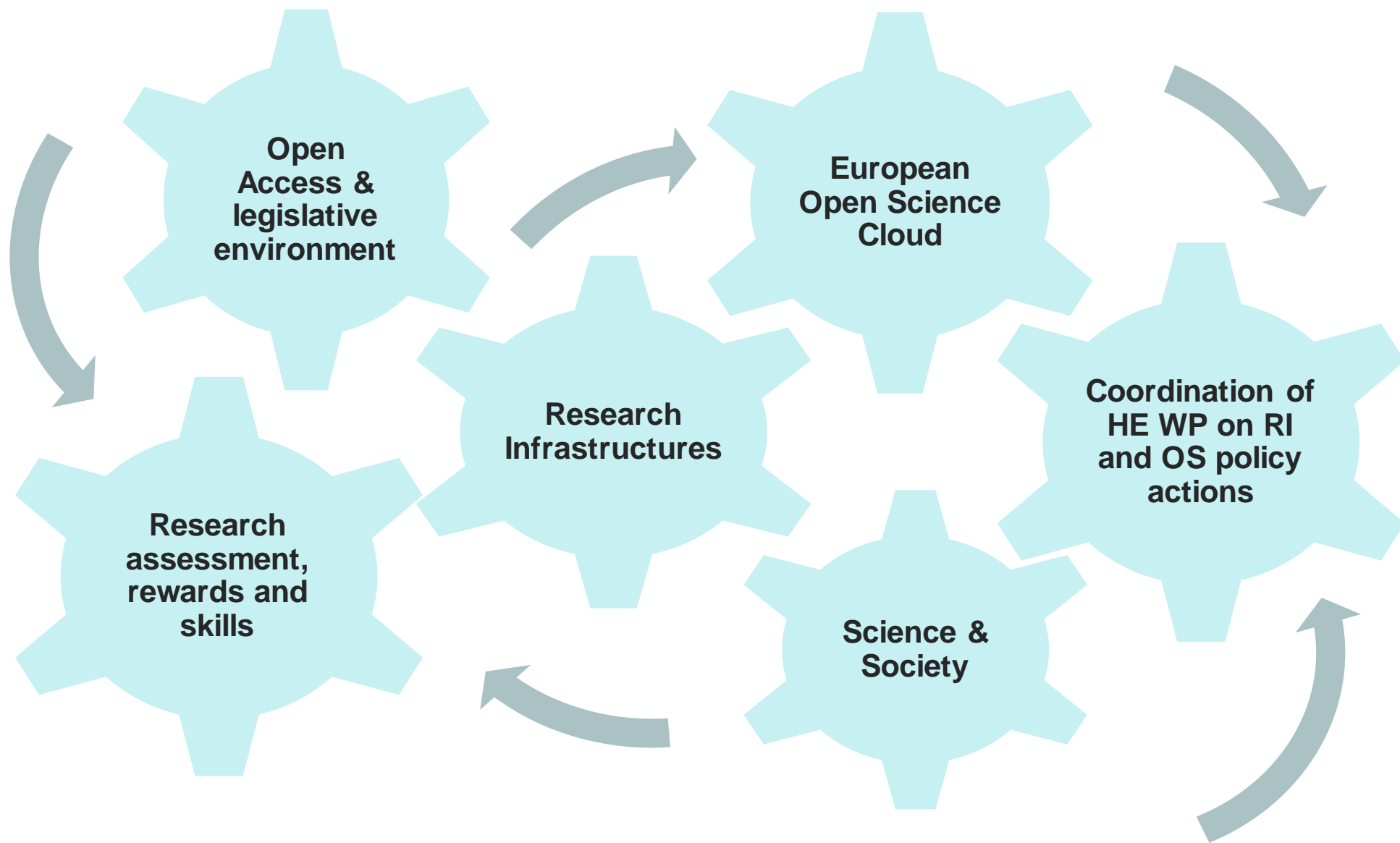
European ecosystem of
research infrastructures that is
more effective and efficient,
open and accessible, and
sustainable

Open collaboration, within
science and with broader
public and private sector

Recognise the diverse outputs,
practices and activities that
maximise the quality and
impact of research

Open Science: a political priority

- **2016** Council Conclusions on the ‘Transition Towards an Open Science System’
- **2018** EC Recommendation on ‘Access to and Preservation of Scientific Information’ revising 2012 Recommendation
- **2020** EC Communication on the ‘New ERA’
- **2021** Council Recommendation on a ‘Pact for R&I in Europe’ and Council Conclusions on the ‘Future Governance of the ERA’ including the ‘ERA Policy Agenda 2022-2024’
- **2022** Council Conclusions on ‘Research Assessment and Implementation of Open Science’
- **2023** Council Conclusions on ‘High-quality, transparent, open, trustworthy and equitable scholarly publishing’ (May 2023)



Open Access



- **Challenge:** introduce more equity in scholarly publishing
 - There is an increasing need to ensure fair access to and sharing of research regardless of differences in capacities and costs and other parameters
 - Immediate and unrestricted open access should be recognised as the norm in publishing research
 - EC leads by example in operationalising open science practices within scientific publishing in line with policy priorities...
 - Open Research Europe (ORE):
 - open access publishing platform for peer-reviewed original research
 - was launched in March 2021 and currently offers more than 350 publications in all disciplines
 - Innovative post-publication open peer-review model, rigorous scientific and publishing standards

European Open Science Cloud



- **Challenge:** open access to data, services, research outputs
 - Keeping the policy momentum
 - 'Open Science including EOSC' fully embedded in the ERA Policy Agenda
 - EOSC as a sectoral data space of the European Strategy for Data
 - Support through the Horizon Europe programme
 - Implementation of Research Infrastructure Calls: direct EU investment in EOSC developments of up to €490 million
 - Including also procurement of EOSC managed services by the EC
 - Continued support to:
 - The EOSC governance: EOSC Steering Board, EOSC Partnership Board
 - EOSC engagement and coordination with Research Infrastructures
 - EOSC thematic demonstrators, e.g. the European Covid-19 Data Platform, the Blue Cloud, the 'science clusters'
 - The monitoring of the uptake of Open Science and 'EOSC readiness'

Reforming Research Assessment



- **Challenge:** recognise the diverse outputs, practices and activities that maximise the quality and impact of research
 - Recognise the diversity of contributions to, and careers in research
 - Base research assessment primarily on qualitative evaluation for which peer-review is central, supported by responsible use of quantitative indicators
 - Abandon inappropriate uses in research assessment of journal- and publication-based metrics, in particular inappropriate uses of journal impact factor (JIF) and h-index
 - Avoid the use of rankings of research organisations in research assessment

Legislative and regulatory framework



- **Challenge:** ensure that the EU copyright and data legislative and regulatory framework is fit for research
 - Identify barriers and challenges to access
 - Reuse of publicly funded research results and of publications and data for scientific purposes
 - Identify potential impacts on research
 - Propose legislative and non-legislative measures to improve the current framework
 - Through: studies, workshops, evidence gathering, concrete proposals
 - effects of the EU copyright framework on research
 - the relevant provisions for researchers under specific EU data and digital legislation

Why is this important?

- Sharing knowledge, data, services
- High quality, impactful research
- Supportive regulatory framework
- Stimulating economic growth and societal benefits
- Attracting skills and talent
- Trust in science
- Better decision making, based on evidence
- Engaged citizens

Thank you



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