

# ROSiE discipline-related Guidelines



Teodora Konach | OeAWI

This project has received funding from the European Union's Horizon  
2020 research and innovation programme under GA No 101006430

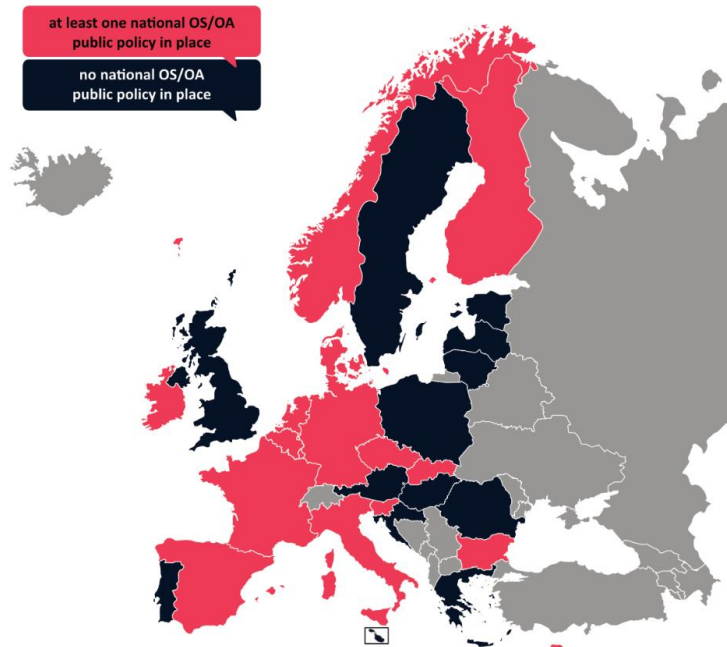




## Overview – timeline



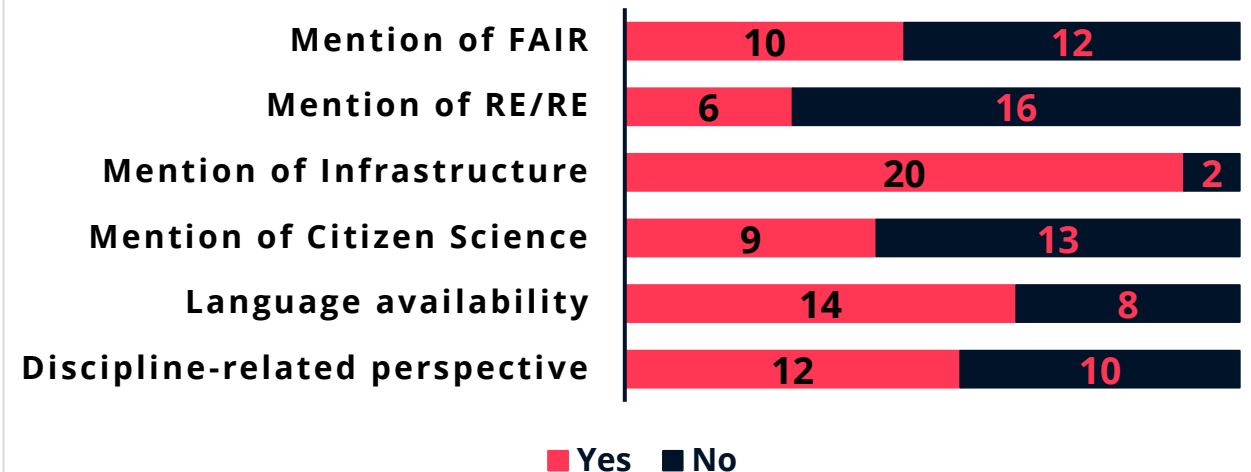
# Mapping responsible open science policies in Europe



Europe map: [City vector created by freepik - \[www.freepik.com\]\(https://www.freepik.com\)](https://www.freepik.com/vectors/city)

Malta map: [Malta Map Vectors by Vecteezy](https://www.vecteezy.com/free-vector/malta-map)

## SELECTED RESPONSIBLE NATIONAL OS PUBLIC POLICY ASPECTS



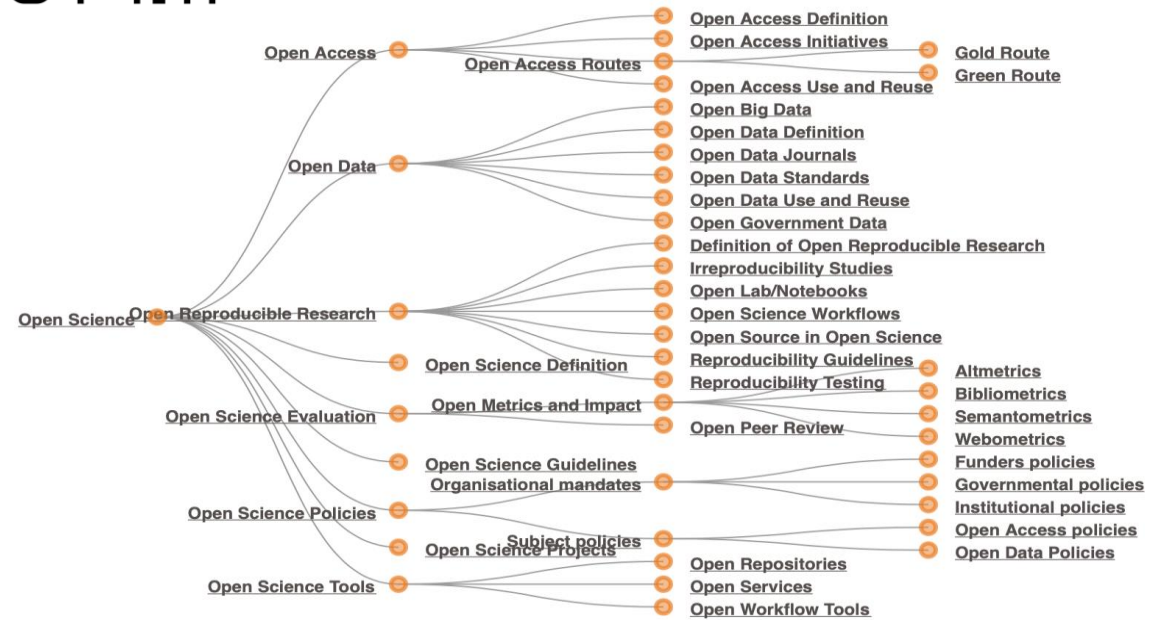


# Strategic Policy Paper

Embedded in existing framework of OS taxonomies, policies, guidelines and recommendations

Challenges identified with corresponding recommendations

Co-creational approach involving different groups of stakeholders



Foster project taxonomy





## Discipline-related Guidelines:

1. Health & life science
2. Humanities
3. Natural sciences
4. Social Sciences



# Our partners – key stakeholders

## International Stakeholders

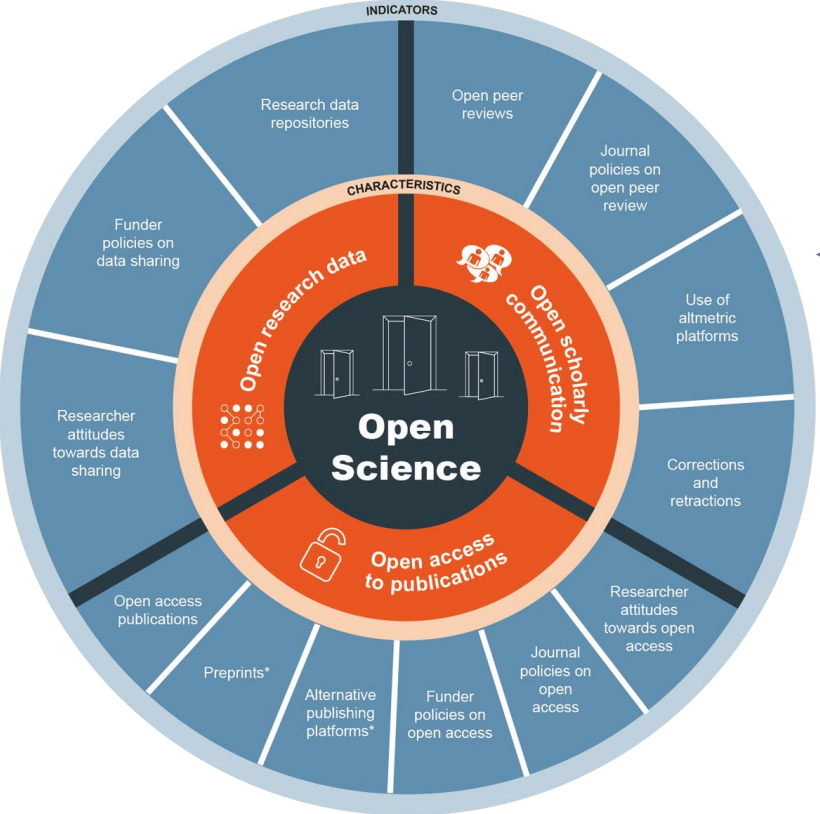


## Core Drafting Group



# How open and responsible is Open Science (OS)?

## *Responsible Open Science as Quality Measure*



<https://openaccess.be/what-is-open-access/>

<https://allea.org/code-of-conduct/>

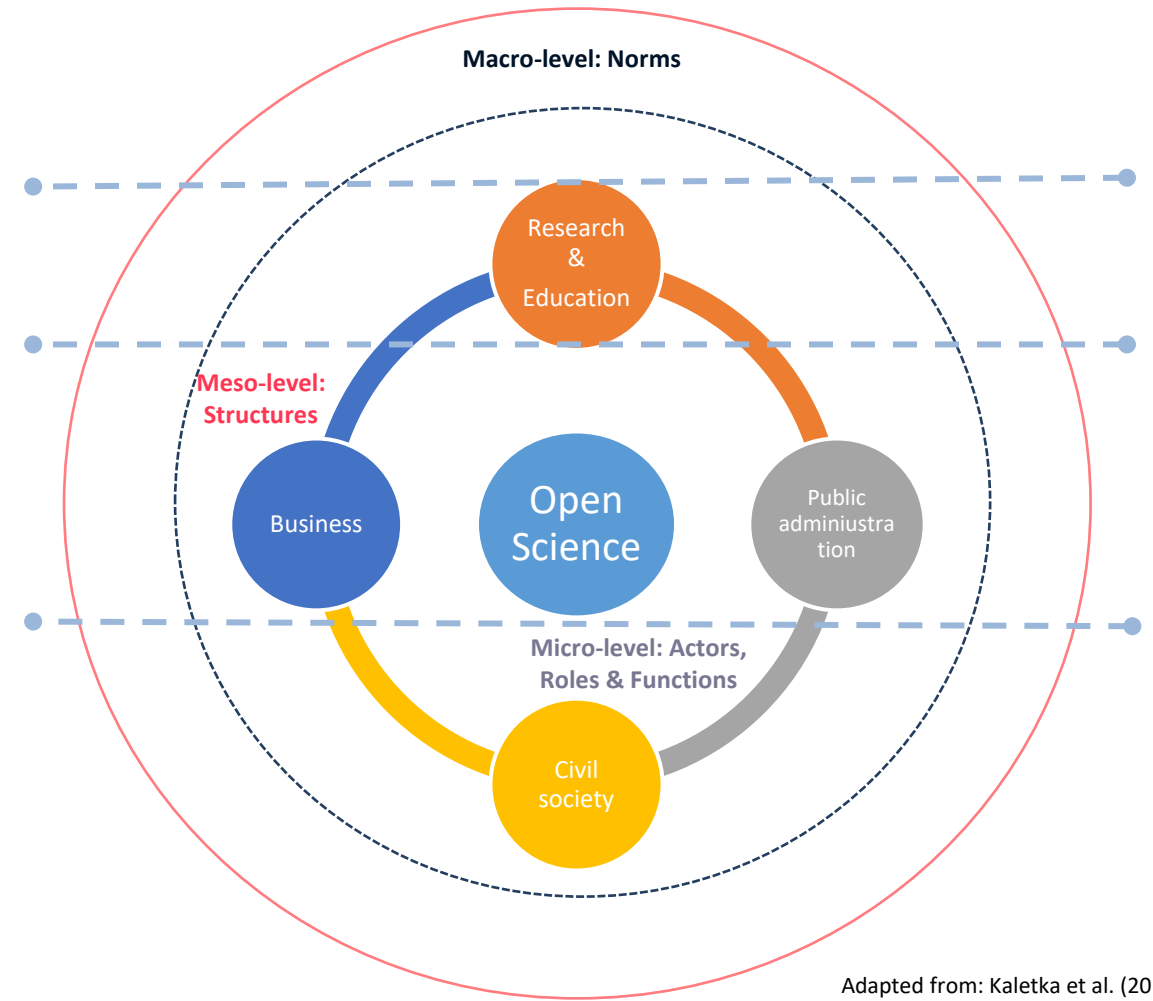
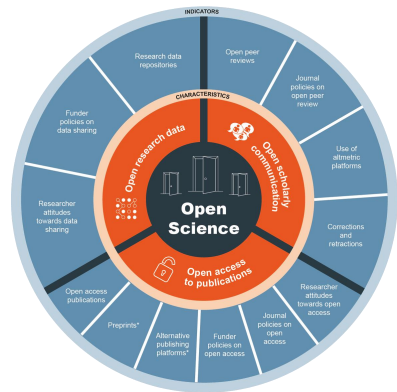
# RE/RI in the context of OS: tensions & challenges

- **Fragmentarisation/diversity of the OS movement**
  - Does **OS enhance** trust, confidence and understanding?
  - Strong polarization: partisans vs opponents (**dialogue** missing)
- **Lack of evidence-based resources on how to make OS practice beneficial to all**
  - Significant gap between theoretical conceptualization of OS and its practical application
  - **Scientific knowledge** creation is still a (rather) **closed process**
- **Inequalities & strong Western-centric approach**
  - Who pays for what and when?
  - OS goes beyond Open Access and Data Practices
  - Non-Western best practices and successful models
- **Limited channels for communication/interaction with broader stakeholders group (i.e., civil society)**
  - **Limited skills** within academia to work with non-academic partners



# Openness requires Communication

*Responsible Open Science as Open Knowledge Co-creation: the ECOSYSTEM APPROACH*



## Structural capital

<https://openaccess.be/what-is-open-access/>

## Quadruple helix

<https://projects2014-2020.interregeurope.eu/rel03/>

Adapted from: Kaletka et al. (2017)

ECOSYSTEM

# Recommendations: fostering OS through open knowledge creation

- **Time**
  - Consider **different time horizons** (i.e., for policy makers, for researchers, for media, for industry)
- **Dynamics**
  - **No findings will be final**: be open to continuous monitoring/evaluation/adaptation/adjustments
  - A need for continuous and **dynamic evaluation processes**
- **Dialogue**
  - Consider **differences on many levels**: language, terminology, concepts, approaches, incentives, motivation
  - Embracing the differences try to **create shared values** and working **culture** as a platform for cooperation
  - **Nurture relationships** and communication
- **Change**
  - Comes along with the dynamics and the open interactions: **allow for interactive re-design, re-evaluation, re-assessment**
  - Set **clear intermediaries** to support your work



# PATTERN.

Empowering Open and Responsible  
Research and Innovation

## PATTERN general presentation

Piloting open and responsible Activities and  
Trainings Towards the Enhancement of  
Researchers Networks



Funded by  
the European Union

# Thank you for your attention!

*Teodora Konach: [Teodora.Konach@oeawi.at](mailto:Teodora.Konach@oeawi.at)*



# References

- Aguinis H, Banks GC, Rogelberg SG, Cascio WF** (2020). Actionable recommendations for narrowing the science-practice gap in open science. *Organiz. Behav. Human Decis. Process.* 158, 27–35. doi: 10.1016/j.obhdp.2020.02.007
- ALLEA** (2021). EQUITY IN OPEN ACCESS ALLEA Statement on the occasion of the 2021 International Open Access Week. <https://allea.org/wp-content/uploads/2021/10/ALLEA-Statement-Equity-in-Open-Access-2021.pdf>.
- Eckhardt J, Kaletka C, Krüger D, Maldonado-Mariscal K and Schulz AC** (2021) Ecosystems of Co-Creation. *Front. Sociol.* 6:642289. doi: 10.3389/fsoc.2021.642289.
- European Commission** (2021a). Perspectives on the future of open science. Available online at: <https://op.europa.eu/en/publication-detail/-/publication/74cfe2bc-200c-11ec-bd8e-01aa75ed71a1>.
- European Commission** (2021b). Directorate-General for Research and Innovation, Monitoring the open access policy of Horizon 2020: final report, Publications Office, 2021, Available online at: <https://data.europa.eu/doi/10.2777/268348>.
- Kaletka C, Markmann M, and Pelka B** (2017). Peeling the Onion. An Exploration of the Layers of Social Innovation Ecosystems. Modelling a context sensitive perspective on driving and hindering factors for social innovation. *Eur. Public Social Innov. Rev.* 1 (2), 83–93. doi:10.31637/epsir.16-2.3.
- Mačiulienė M** (2022) Beyond Open Access: Conceptualizing Open Science for Knowledge Co-creation. *Front. Commun.* 7:907745. doi: 10.3389/fcomm.2022.907745
- OECD** (2021). Policy note: Open Science - Enabling Discovery in the Digital Age. Available online at: [http://goingdigital.oecd.org/data/notes/No13\\_ToolkitNote\\_OpenScience.pdf](http://goingdigital.oecd.org/data/notes/No13_ToolkitNote_OpenScience.pdf)
- Ruess KA et al.** (2023) Opportunity or responsibility? Tracing co-creation in the European policy discourse, *Science and Public Policy*, Volume 50, Issue 3, pp.: 433–444, doi.org/10.1093/scipol/scac079.
- Stier J, Smit SE** (2021). Co-creation as an innovative setting to improve the uptake of scientific knowledge: overcoming obstacles, understanding considerations and applying enablers to improve scientific impact in society. *J. Innov. Entrepr.* 10, 1–14. doi: 10.1186/s13731-021-00176-2
- UNESCO** (2020). Multistakeholder Consultations on Open Science. Available online at: <https://en.unesco.org/science-sustainable-future/open-science/consultation>
- UNESCO** (2021). UNESCO science report: the race against time for smarter development. Available online at: <https://unesdoc.unesco.org/ark:/48223/PF0000377447>

