

Skiis
4 eosC

- Skills for the European
- Open Science
- Commons

Mapping of Open Science Professional Networks in Europe

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Supporting

 eosC



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and Innovation



Agenda

1. Background: Skills4EOSC and WP 6
2. Mapping of Open Science professional networks (task 6.1)
3. Method
4. Results
5. Learnings
6. Outlook



Skills4EOSC: Skills for the European Open Science Commons



44 participants, 18 countries



“Key doers” in Open Science in their country/region/domain



2 ESFRI research infrastructures



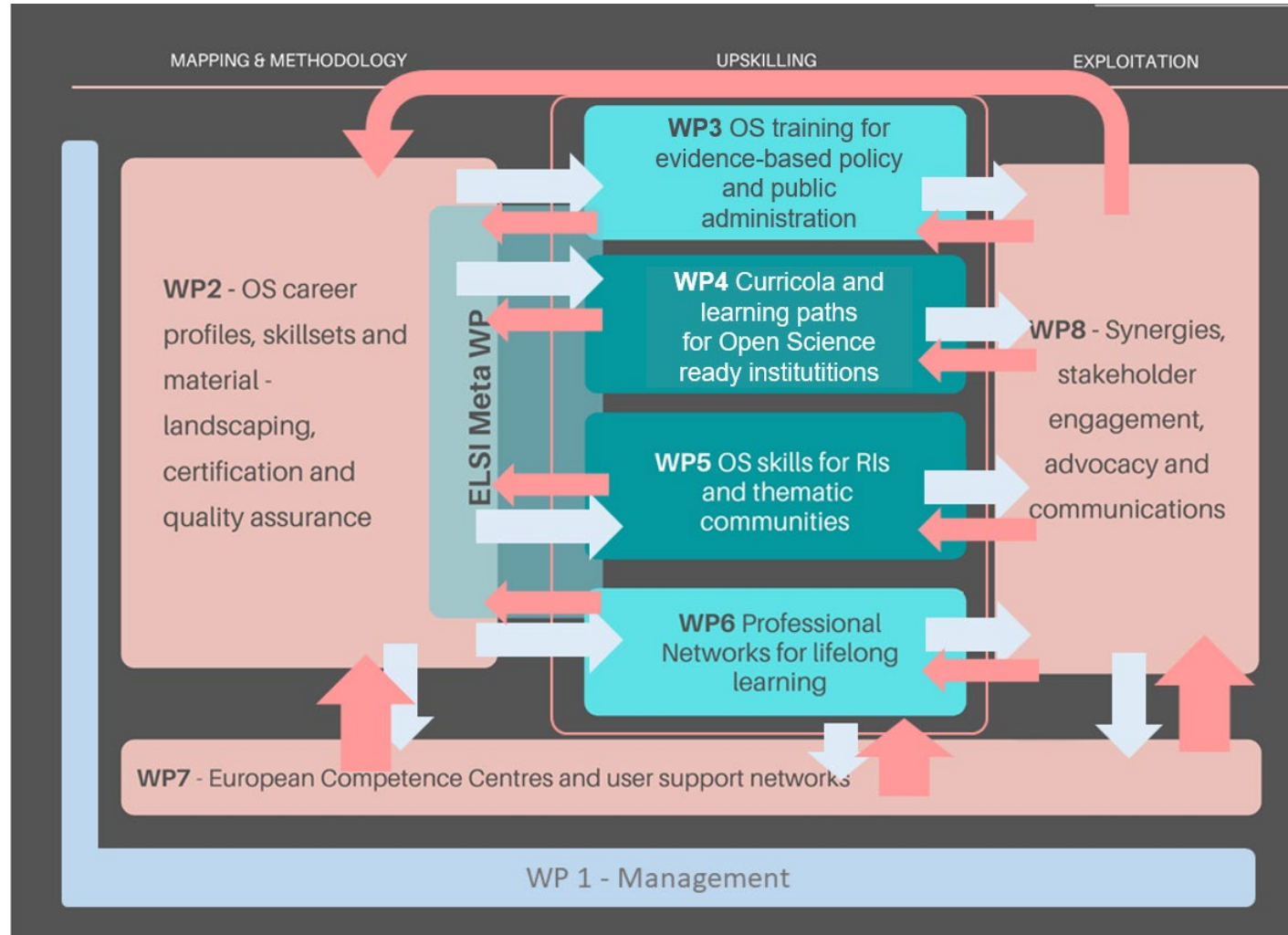
7 millions €, co-funded by European Union and UK Research and Innovation



Lazzeri, Emma. (2022, December 21). Skills4EOSC induction. Zenodo. <https://doi.org/10.5281/zenodo.7470587>

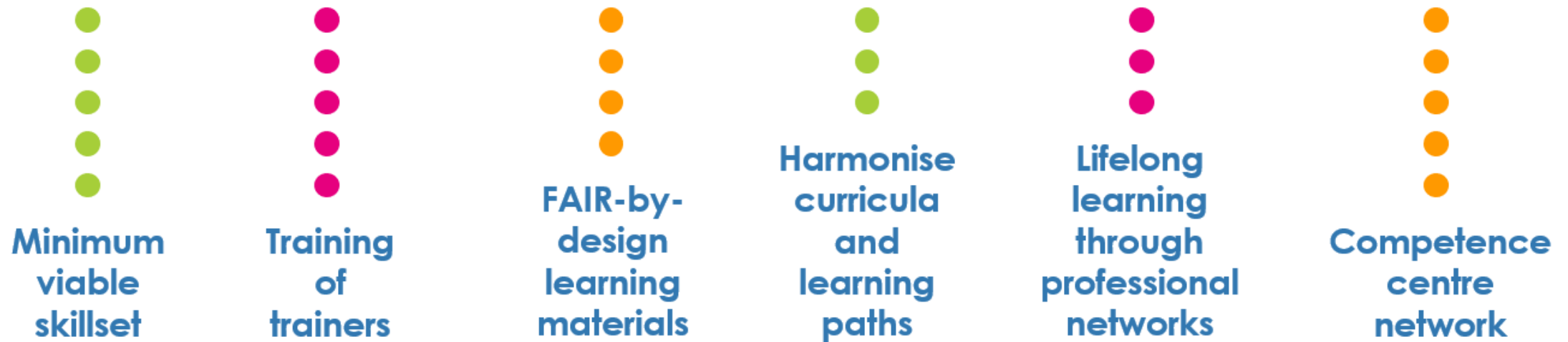


Skills4EOSC: Project Structure



Lazzeri, Emma. (2022, September 21). *Skills4EOSC Vision and Objectives*. Skills4EOSC Kickoff Meeting, Pisa, Italy. Zenodo. <https://doi.org/10.5281/zenodo.7113503>

Skills4EOSC: Key Concepts



Lazzeri, Emma. (2022, December 21). Skills4EOSC induction. Zenodo. <https://doi.org/10.5281/zenodo.7470587>



Skills4EOSC: How?

Competencies Definition



Skills4EOSC will define a minimum set of competencies for **each target** in the **Minimum Viable Skillset**

MVS structure and first role draft (policy maker) already published, complete roles due to end of May 2023

Design learning paths & material



Through the **FAIR by design methodology, learning materials** for Training of Trainer programmes will be developed for various targets

FAIR by design learning material methodology published for community feedback

Training of Trainers delivery



Training of Trainers will be delivered to a group of **Master Trainer** to multiply the specific competencies inside the Skills4EOSC Consortium.

Training of Trainers to start in second half of 2024

Lazzeri, Emma. (2023, May 3). *Skills4EOSC: Skills for the European Open Science Commons*. EOSC-A Taskforce on Upskilling Countries to Engage in the EOSC. Zenodo. <https://doi.org/10.5281/zenodo.7890392>



WP 6: Professional Networks for Lifelong Learning

WP 6 aims at supporting “lifelong learning through professional **networks** as an enabling environment to discuss, co-create and exchange best practices among OS professionals and researchers” (from the project proposal).

- T6.1 – Mapping of existing professional networks
- T6.2 – Starter kits for professional networks
- T6.3 – Harmonisation and creation of new professional networks
 - T6.3.1 – Data Steward networks through NCCs
 - T6.3.2 – Open Science Communities across Europe
 - T6.3.3 – Thematic networks
- T6.4 – Fellowship programme



WP 6: Professional Networks for Lifelong Learning

- OS professional network (within academia):
 - Professionals who share interests, goals, and values related to OS principles and practices
 - Local, regional, national, or international in scope
 - Peer support
- Professional networks play a pivotal role for non-formal learning processes
 - build relationships with colleagues to learn from each other
 - stay informed about developments in the field

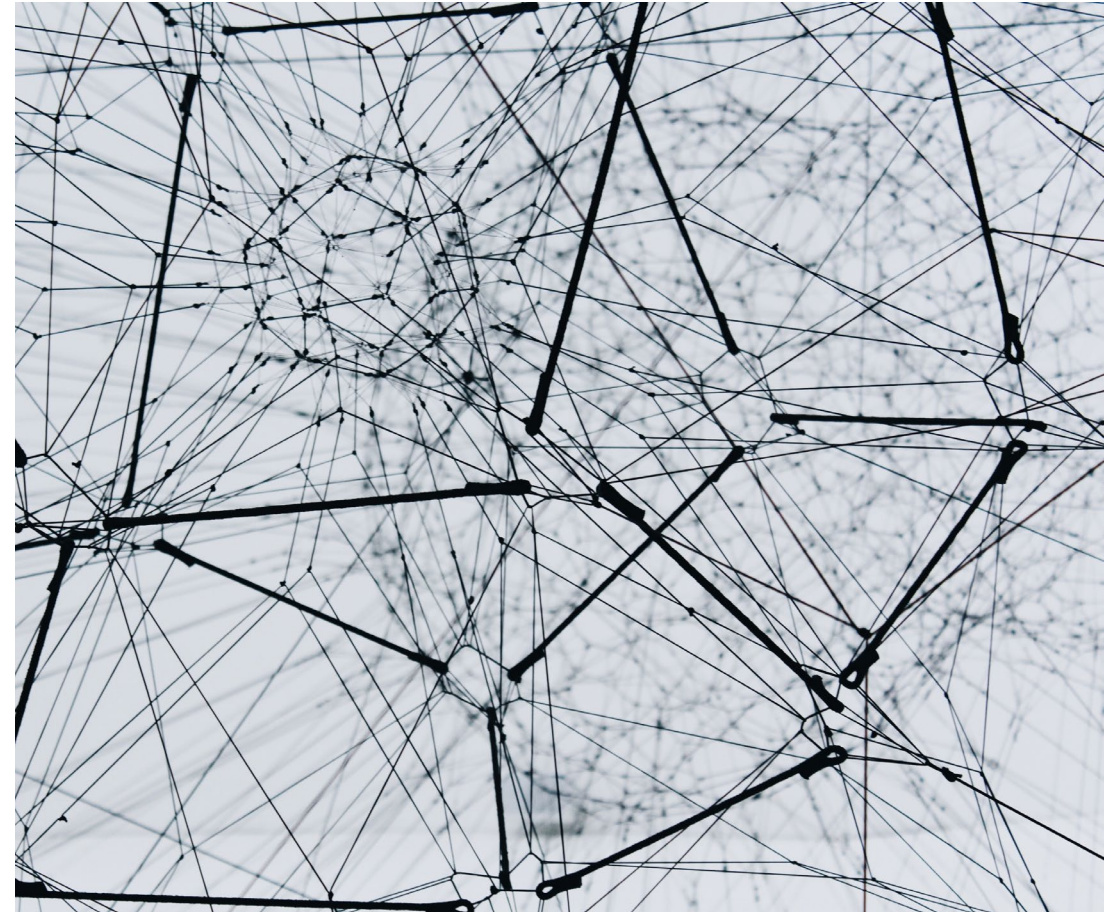


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T6.1: Mapping of Open Science Professional Networks

- Background:
 - Previous landscaping studies of OS initiatives, OS policies, OS infrastructures, OS stakeholders
 - Different methodological designs, e.g. desktop research, interviews, surveys



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T6.1: Mapping of Open Science Professional Networks

- 18 Skills4EOSC consortium countries
- 6 additional European countries (Iceland, Ireland, Lithuania, Latvia, Portugal, Switzerland)



Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks (v.2.0)*. Zenodo. <https://doi.org/10.5281/zenodo.7591920>



Method: Systematic desktop research

- Inspired by systematic review methodology:
 - Structured Google searches based on systematically constructed search strings
 - Search strings generated from task description and FOSTER's OS taxonomy
 - 18 terms transformed into search strings both in English and the national languages
 - Clear inclusion and exclusion criteria for appraisal and selection of relevant search results

Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks* (v.2.0). Zenodo. <https://doi.org/10.5281/zenodo.7591920>



Method: Systematic desktop research

Data curation	ES, MABU	("data curator" OR "data curators" OR "data curation" AND (network) AND (country))	Data curator network [country], data curation network [country]	("data curator" OR "data curators") AND (network) (austria)	("data curator" OR "data curators") AND (network) (baltic)	("data curator" OR "data curators") AND (network) (België)	Data curators network denmark, data curator netværk danmark, datakurat or netværk danmark	("data curator" OR "data curators") AND (network) (estonia)	Data curator network finland, data curators network finland, data curator research network finland	Data curator network France, Research data curator network (added)	Data curator network germany, data curators germany, data curator research network germany,	Data curator network iceland, data curator net island	Data curator network Ireland, data curation network Ireland	Data curator network Italy, data curation network Italy	("data curator" OR "data curators") AND (network) AND (italy)	("data curator" OR "data curators") AND (network) (latvia)	("data curator" OR "data curators") AND (network) (Netherlands)	Data curators network norway, data curator netverk norge, datakurat or netverk norge	("data curator" OR "data curators") AND (network) (switzerland)	"kurator danych cyfrowych"	("data curator" OR "data curators") AND (network)	("data curator" OR "data curators") AND (network) (Spain)	Data curators network sverige, data curator nätverk sverige, datakurat or nätverk sverige	Data curator network UK, data curation network UK
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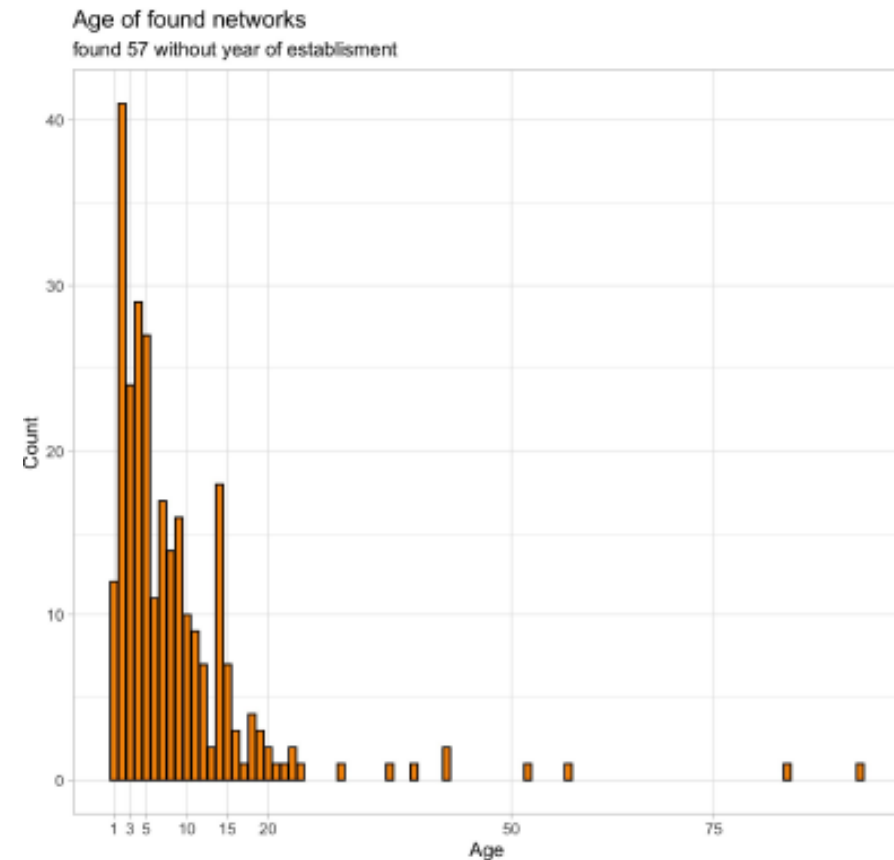
Results

- 328 active networks in the 24 countries included
- Top-down networks:
 - Networks associated with *research infrastructures*, e.g. DARIAH, DiSSCo, ELIXIR, EuroCC
 - Networks focusing on policy-making, e.g. CoNOSC, ENRIO, SPARC
 - National nodes of international organisations like OpenAIRE or RDA
 - Networks created as working groups of international organisations like LIBER or GoFAIR
- Bottom-up networks:
 - Value-based networks like INOSC networks, IGDORE, Reproducibility Networks

Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks* (v.2.0). Zenodo. <https://doi.org/10.5281/zenodo.7591920>

Results

- Most networks have been established in the past 5 years
- How will the picture look like in 5 years?



Source: Collected data

Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks (v.2.0)*. Zenodo. <https://doi.org/10.5281/zenodo.7591920>



Results

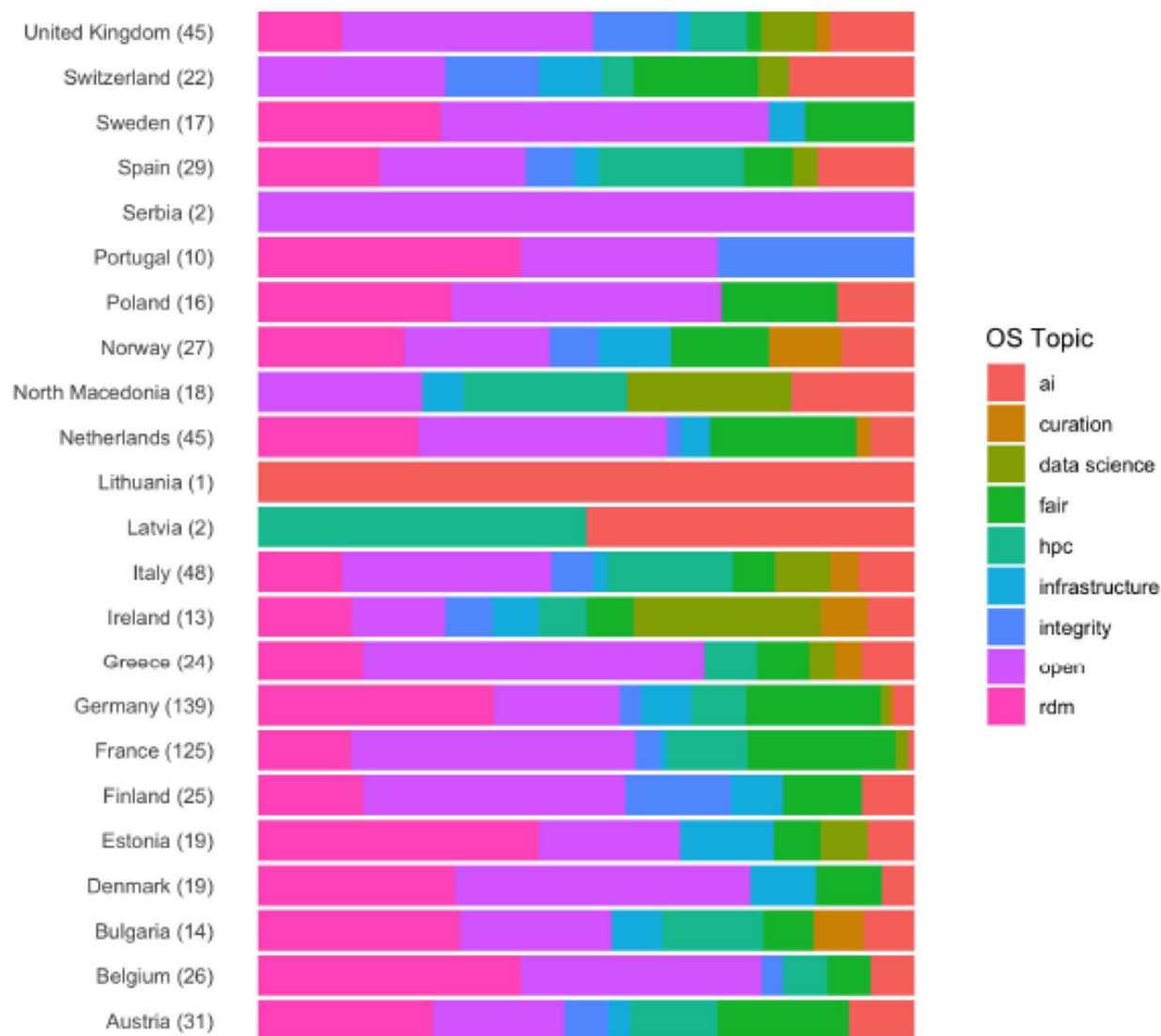
OS topics*:

Tendency of correlation between higher diversity of OS topics and number of networks in a given country

*from our topic categorisations

Distribution of topics

Total number of found networks in parentheses



Source: Collected data

Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks (v.2.0)*. Zenodo. <https://doi.org/10.5281/zenodo.7591920>

Results

Network purposes:

- Promoting and achieving OS ambitions at national and European levels
- Supporting the shift to OS in academia
- Supporting policymaking
- Developing research infrastructures

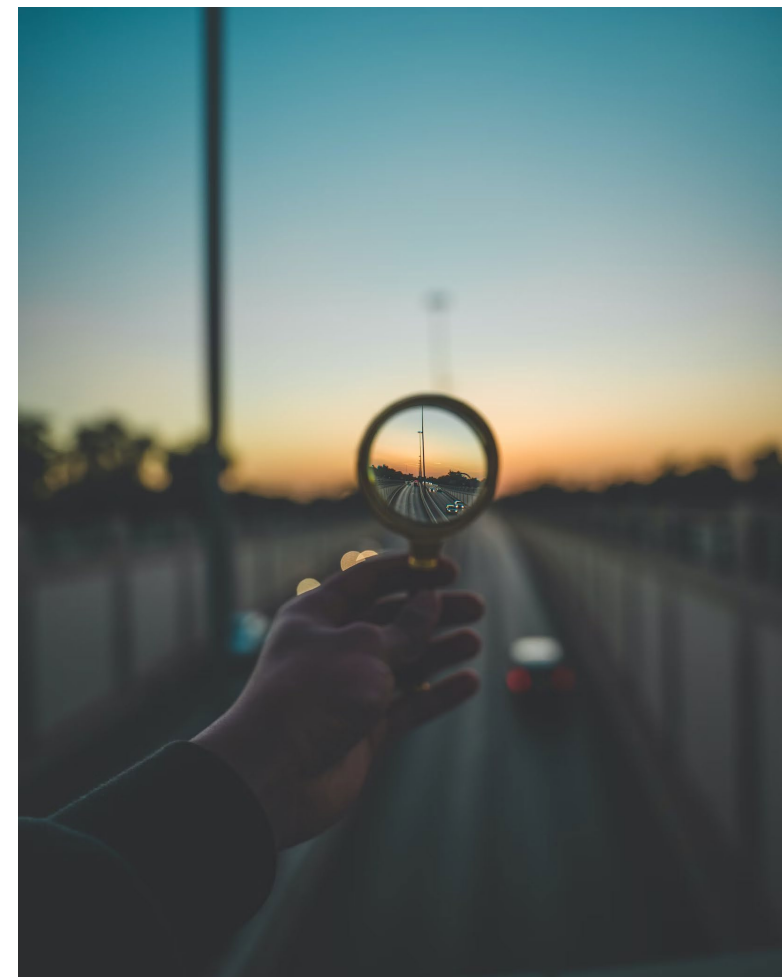


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Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks* (v.2.0). Zenodo. <https://doi.org/10.5281/zenodo.7591920>



Results

Network activities:

- Knowledge sharing
- Awareness raising
- Training
- Research support
- Policymaking
- Collaboration



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Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks (v.2.0)*. Zenodo. <https://doi.org/10.5281/zenodo.7591920>



Results: *Three observations*

- There is currently a lack of standardised and well-maintained national or international registries of OS networks or communities. The major international OS-related registries, such as FAIRSharing, OpenDOAR, re3data, etc., do not provide information about professional networks or communities.
- The smaller the overall number of existing networks in a given country, the less diverse is the OS landscape in this country.
- The life sciences still appear to be the most active research community and thereby dominate the OS landscape.

Buss, Mareike et al. (2023). *D6.1 Mapping of existing professional networks* (v.2.0). Zenodo. <https://doi.org/10.5281/zenodo.7591920>



Learnings

- Broader definition of OS professional networks that includes Citizen Science?
- More network-related concepts in the structured search (community, group, etc.)?
- It is difficult to describe «gaps», when you don't know how the complete picture should look like 😊



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Outlook

- Align terminology with MVS and other project outputs
- Co-creation process to get community feedback
- Creation of an interactive map for the website



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- Skills for the European
- Open Science
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Supporting



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Thank you! Questions?

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