# Skills4EOSC:
# What is in it for the Danish universities?

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Skills
4 eosc

- Skills for the European
- Open Science
- Commons

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# Agenda

1. Key facts regarding Skills4EOSC
2. The Danish consortium
3. Key concepts

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Supporting an EOSC-ready digitally skilled workforce:

Researchers can transform how they carry out research and exploit research outputs, leading to better quality and contributing to the Horizon Europe EOSC Partnership.

Horizon Europe call INFRA 2021 EOSC01-01

# Key facts

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

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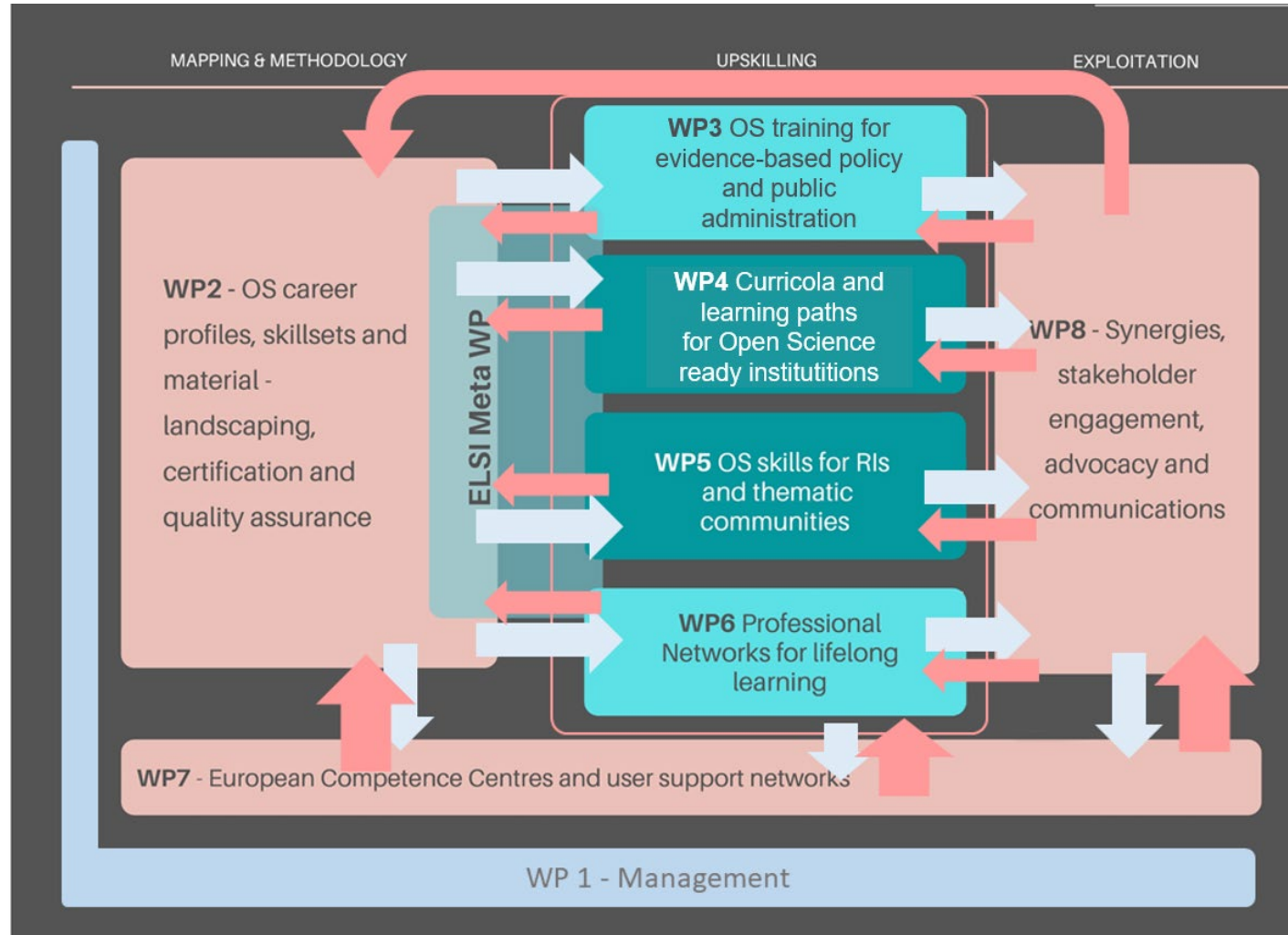
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# Objective

Skills4EOSC core objective is to **advance Open Science (OS) skills by unifying the current training landscape** into a common and trusted pan-European ecosystem, closing the three gaps identified in the EOSC Strategic Research and Innovation Agenda (SRIA) in relation to OS competences: lack of **Open Science and data expertise**, lack of a clear definition of **data professional profiles** and corresponding career paths, and fragmentation in **training resources.**

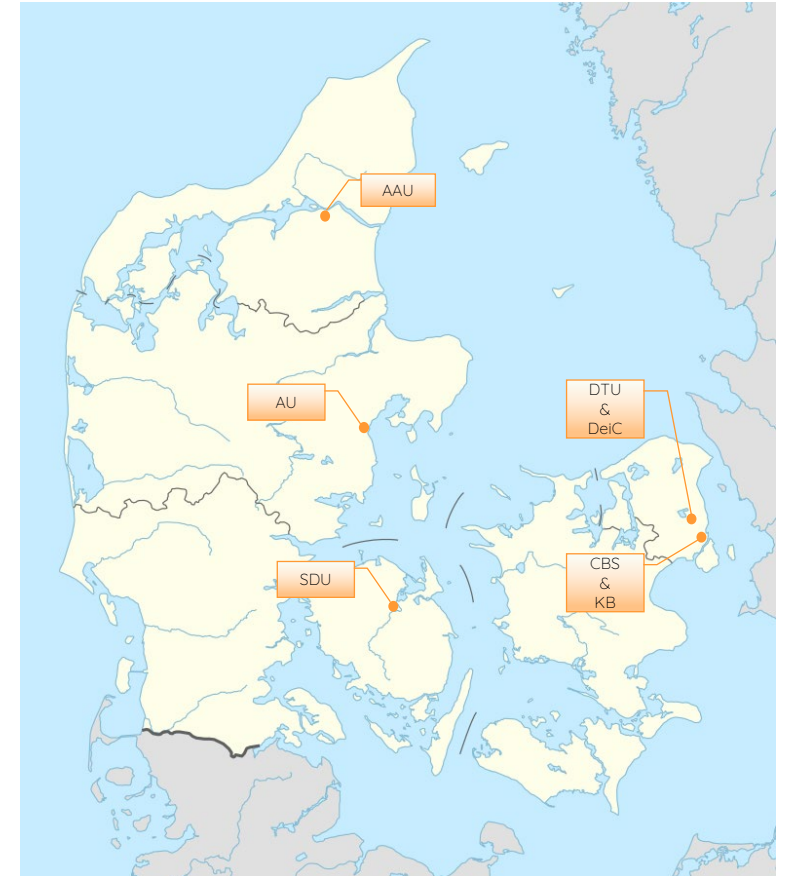Lazzeri, Emma. (2022, December 21). Skills4EOSC induction. Zenodo. https://doi.org/10.5281/zenodo.7470587

# Project Structure



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

# The Danish Consortium

**Danish partners**: AU, AAU, CBS, DTU, SDU, KB & DeiC

**Total budget**: DKK 50.000.000 (7.000.000 Euro)

**Danish budget**: DKK 3.269.248



Map of Denmark by NordNordWest, resized by Mareike Buss, shared under CC-BY-SA 3.0

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# Danish WPs

| WP | Task | Topic | DeICs role | PMs |
|---|---|---|---|---|
| WP 2 : OS career profiles, skillsets and material - landscaping, certification and quality assurance | | | | |
| | T2.6 | Monitoring and cocreation | Participation (national engagement) | 1 |
| WP 3: OS training for evidence-based policy and public administration | | | | |
| | T3.1 | OS training for policy makers and civil servants | Participation (national engagement) | 1 |
| WP4: Curricula and learning paths for Open Science-ready institutions | | | | |
| | T4.1 | Curriculum for data stewards | Participation | 3 |
| | T4.2 | Learning paths for data professionals | Lead | 7 |
| | T4.4 | OS-ready PhD curricula | Participation | 3 |
| WP6: Peer networks for lifelong training | | | | |
| | T6.1 | Mapping of existing professional networks | Lead | 7 |
| | T6.2 | Development of starter kits for professional networks | Participation | 3 |
| | T6.3 | Harmonisation and fostering the creation of new professional networks | Participation | 7 |
| | T6.4 | Fellowship programme for data professionals | Participation | 4 |
| WP7: European Competence centres and user support network | | | | |
| | T7.1 | Landscaping, scoping and gap analysis | Participation (national engagement) | 1 |
| | T7.2 | Coordination network design | Participation (national engagement) | 1 |
| | T7.4 | User support network | Participation (national engagement) | 2 |
| WP8: Synergies, stakeholder engagement, advocacy and communications | | | | 0 |
| | T8.1 | Stakeholder engagement | Participation (national engagement) | 1 |
| | T8.3 | Synergies with national, regional and EC programmes and funding streams | Participation (national engagement) | 1 |
| | | | | |
| | | | PM total | 42 |

# Danish WPs

| WP | Task | Topic | DK consortium's role | PMs | | AU | AAU | CBS | DTU | KB | SDU | DelC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WP 2: OS career profiles, skillsets and material - landscaping, certification and quality assurance | | | | | | | | | | | | |
| | T2.6 | Monitoring and cocreation | Participation (national engagement) | 1 | | | | | | | 1 | |
| WP 3: OS training for evidence-based policy and public administration | | | | | | | | | | | | |
| | T3.1 | OS training for policy makers and civil servants | Participation (national engagement) | 1 | | | | 1 | | | | |
| WP4: Curricula and learning paths for Open Science-ready institutions | | | | | | | | | | | | |
| | T4.1 | Curriculum for data stewards | Participation | 3 | | 1 | | | | 2 | | |
| | T4.2 | Learning paths for data professionals | Lead (KB) | 7 | | 1 | | 2 | | 4 | | |
| | T4.4 | OS-ready PhD curricula | Participation | 3 | | | 2 | 1 | | | | |
| WP6: Peer networks for lifelong training | | | | | | | | | | | | |
| | T6.1 | Mapping of existing professional networks | Lead (CBS) | 7 | | 1 | | 4 | | 1 | | 1 |
| | T6.2 | Development of starter kits for professional networks | Participation | 3 | | | 1 | | | | 2 | |
| | T6.3 | Harmonisation and fostering the creation of new professional networks | Participation | 7 | | | 1 | 1 | 2 | 1 | 2 | |
| | T6.4 | Fellowship programme for data professionals | Participation | 4 | | | | | 3 | | 1 | |
| WP7: European Competence centres and user support network | | | | | | | | | | | | |
| | T7.1 | Landscaping, scoping and gap analysis | Participation (national engagement) | 1 | | 1 | | | | | | |
| | T7.2 | Coordination network design | Participation (national engagement) | 1 | | | | | | | | 1 |
| | T7.4 | User support network | Participation (national engagement) | 2 | | | | | 2 | | | |
| WP8: Synergies, stakeholder engagement, advocacy and communications | | | | | | | | | | | | |
| | T8.1 | Stakeholder engagement | Participation (national engagement) | 1 | | | | | | | | 1 |
| | T8.3 | Synergies with national, regional and EC programmes and funding streams | Participation (national engagement) | 1 | | | | | | | | 1 |
| | | | **PM total** | 42 | | 4 | 4 | 9 | 7 | 9 | 6 | 3 |

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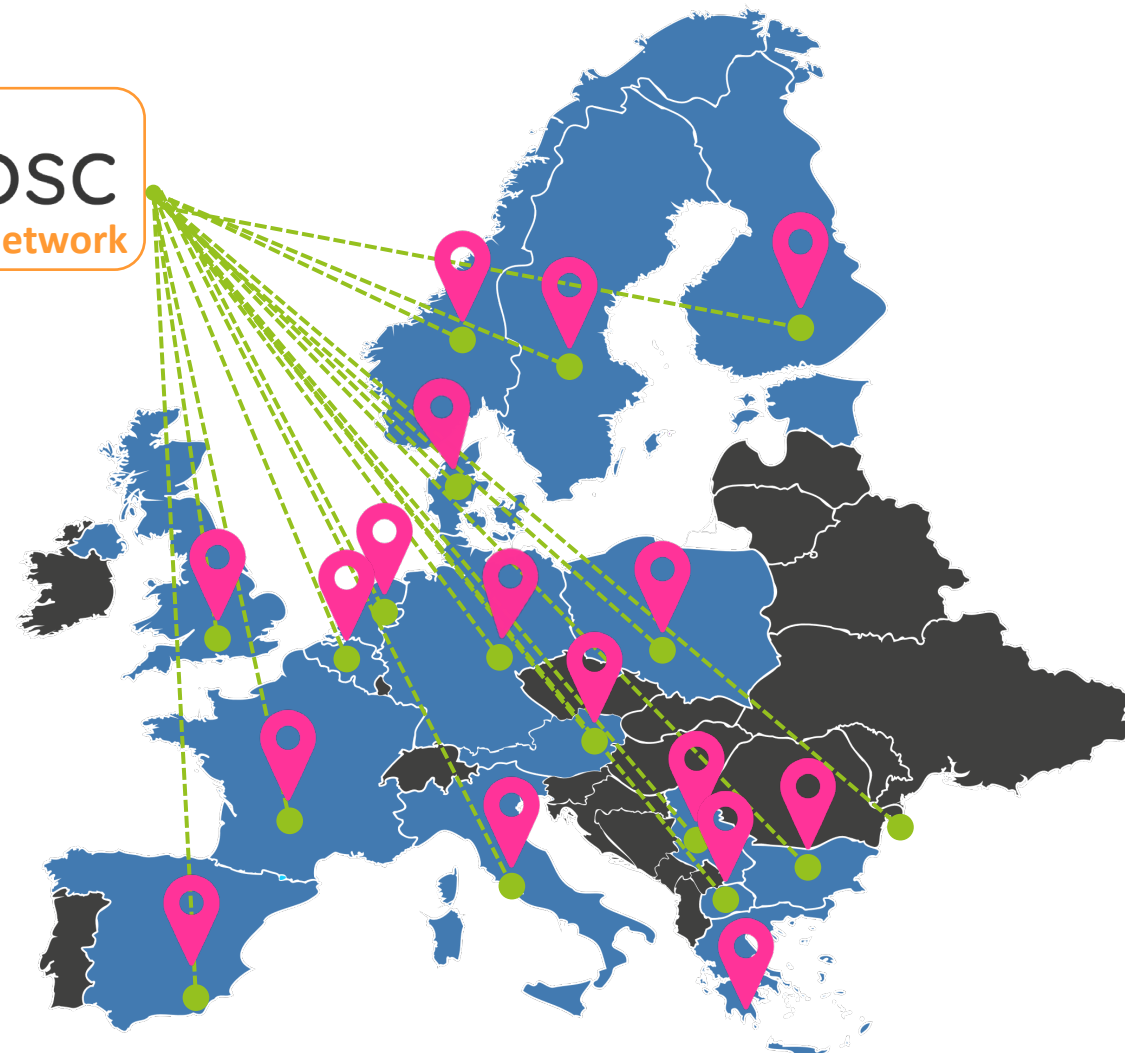
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# Key Concepts

- Competence Centre

- Competence Centre Network

- Minimum Viable Skillset

- Training of Trainers

- Master trainer

- Professional Networks

- User Support Network

- Co-Creation

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

# Skills4EOSC Competence Centre Network



- Skills4EOSC aims at building a Coordination Network of Competence Centres for Open Science, FAIR and EOSC in Europe (CCNet).

- The Skills4EOSC CCNet will be based on a lightweight mechanism to align and coordinate the network nodes.

- The nodes are the Skills4EOSC Competence Centres (CCs).

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# Skills4EOSC Competence Centre

Skills4EOSC CC represent **a single point of reference** in a specific Country/Region/Theme to find key **competencies** to enable the practice of **Open Science** with adequate knowledge of standards, applications and tools and best practices for delivering, managing, re-using, sharing and analysing **FAIR** data, as well as other digital research objects.

**Competences**

**People and Institutions**

**Services**

**Resources**

**Operational Tools**

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# What do Competence Centres do?

**Skills4EOSC CC** are dedicated to knowledge organization and transfer in the Open Science, FAIR research output management and EOSC context.

They are associated with excellence, advice, training and knowledge transfer, and a collaborative approach of different institutions or departments.



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# Minimum Viable Skillset - MVS

- The MVS draw on established competences frameworks and resources defining the Open Science (OS) **mission**, **activities**, or **outcomes** expected of relevant roles

- MVS profile **each role** as an aid to developing new curricula, career paths and courses

- A simple MVS format is proposed to articulate **key skills and competences** that enable researchers, professionals, and stakeholders to fulfil the OS expectations of the EOSC

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## 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

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# User Support and Professional Networks

## User Support Network

- Experts in specific fields/themes
- Supports external users
- Built upon structures outside Competence Centre

## Professional Network

- Professionals who share interests, goals, and values related to OS principles and practices
- Local, regional, national, or international in scope
- Support peers

Mapping of professional networks already published (see: *Buss et al., 2023*)

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![Skills 4 EOSC logo]

- **Skills for the European**
- **Open Science**
- **Commons**

# Thank you! Questions?

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