Skills4EOSC
Lessons Learnt
https://www.skills4eosc.eu/

French National Tripartite Event
Paris, 11-12 September 2025

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GRICAD/DDOR

Skills 4 eosc
- Skills for the European
- Open Science
- Commons

Supporting · eosc

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UKRI UK Research and Innovation

Agenda

- Project History at a Glance: Why and Objectives
- Training needs & Curriculum
- Ressources, Interoperability & Community
- Sustainability, Alignment & Recognition
- Key Takeaways & Ressources

46 **partners**, 18 **countries**

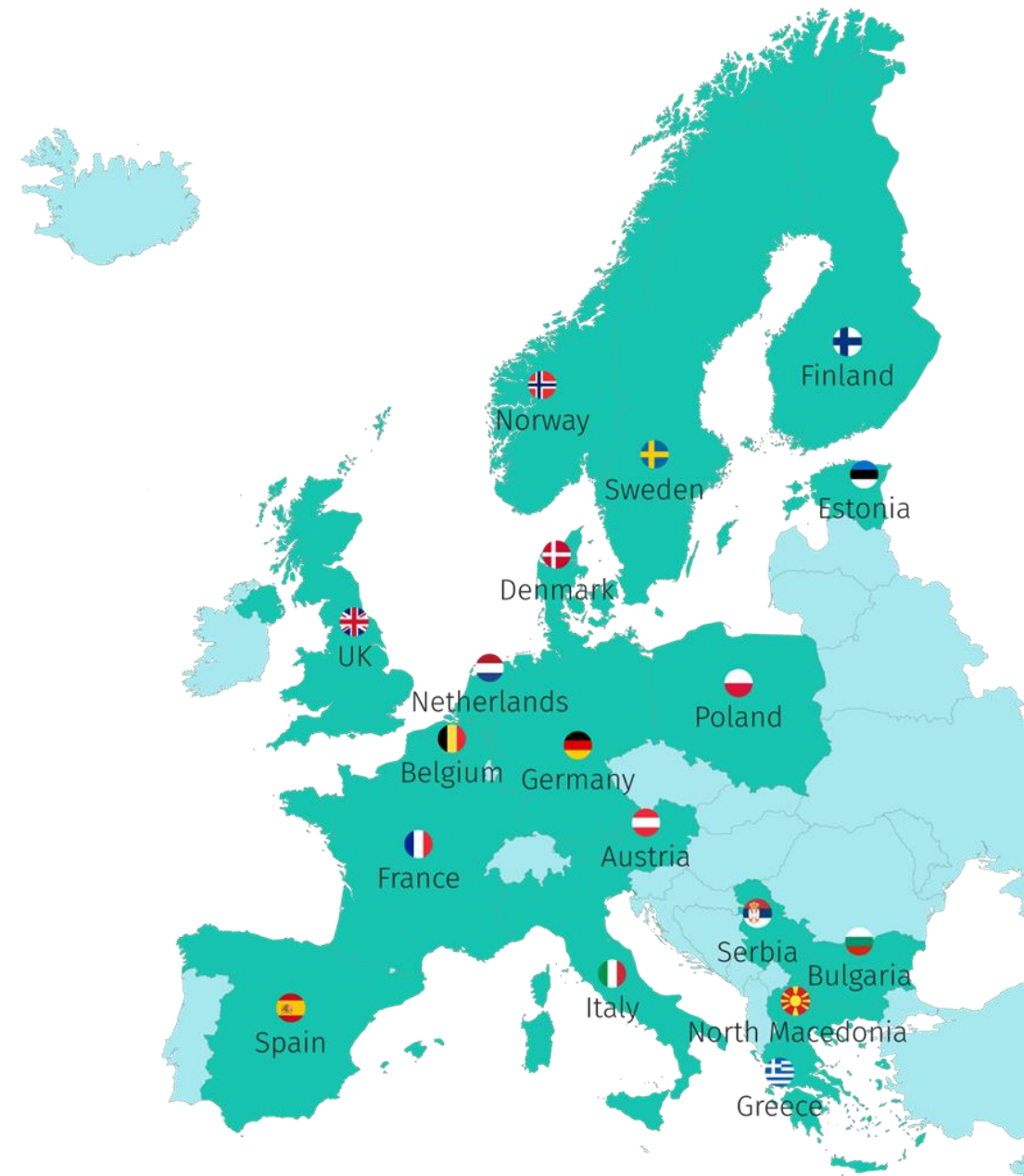"**Key doers**" in Open Science in their country/region/domain

2 ESFRI **Research Infrastructure**

7 million €

September 2022 - August 2025

Skills4EOSC Main Objective

Addressing Critical Gaps in Open Science Competencies

Skills4EOSC directly tackles the three key gaps identified in the EOSC Strategic Research and Innovation Agenda (SRIA):

1°

FILLING THE OPEN SCIENCE AND DATA EXPERTISE GAP

By developing harmonized curricula and integrating Open Science essentials into academic programs, Skills4EOSC is helping build a strong foundation of Open Science knowledge.

2°

DEFINING DATA PROFESSIONAL PROFILES AND CAREER PATHS

The project is mapping career profiles and defining Minimum Viable Skillsets (MVS) to provide clear pathways for Open Science professionals.

3°

OVERCOMING FRAGMENTATION IN TRAINING RESOURCES

Skills4EOSC is creating a FAIR-by-Design methodology for learning materials and establishing a network of Competence Centres to foster collaboration and resource sharing.

Training needs & Curriculum

- Training requirement vary widely accross disciplines, institutions, countries

- One-size-fits-all solutions are ineffective

- Curriculum for entry-level data stewards based on **minimum viable skillset (MVS)**

- Community consultations: similar core skills shared across Europe

Guide for Instructors: Skills4EOSC Data Steward Curriculum – DataSteward Training Curriculum

Ressources, Interoperability & Community

- Abundance of training materials → priority is **reuse, not reinvention**

- Landscaping exercise identified gaps

- Need for **interoperable, FAIR-by-design** materials to avoid duplication

- **Community involvement** (data stewards, researchers, trainers, providers) ensures adoption

- **Peer-learning & communities of practice** = strong drivers

FAIR-by-design Methodology

Backward Instructional Design Empowered with FAIR principles
focusing on both learners and peer instructors

Sustainability, Alignment & Recognition

- Temporary projects insufficient → need **long-term competence centres**

- Bridge national initiatives (e.g. Recherche Data Gouv) with a **European framework**

- Define EOSC-related skills for structured training

- **Micro-credentials / certification** → recognition, sustainability, attractiveness

Key Takeaways

- **Flexible, modular training** is essential to meet diverse needs

- **Reuse & interoperability** of existing resources prevent duplication

- **Community involvement** ensures relevance and engagement

- **Sustainable structures & recognition** (certification, micro-credentials) are key for long-term impact

- **European alignment** builds on national strengths and fosters coherence

Skills4EOSC - ressources

Skills4eosc
Competence Centre Network

Whyte, A., et al. (2023). D2.1 Catalogue of Open Science Career Profiles - **Minimum Viable Skillsets** (v1.2). Zenodo. https://doi.org/10.5281/zenodo.8101903

https://www.skills4eosc.eu/network/ competence-centres

Filiposka, S., et al. (2023). Draft **Methodology for FAIR-by-Design Learning Materials** (1.2). Zenodo. https://doi.org/10.5281/zenodo.7875541 and Filiposka, S., et al. (2023). D2.2 **Methodology for FAIR-by-Design Training Materials** (1.4). Zenodo. https://doi.org/10.5281/zenodo.8305540

18 Learning paths and 40 courses available on the **Skills4EOSC Learning Platform** (https://learning.skills4eosc.eu/)

Thank you!

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