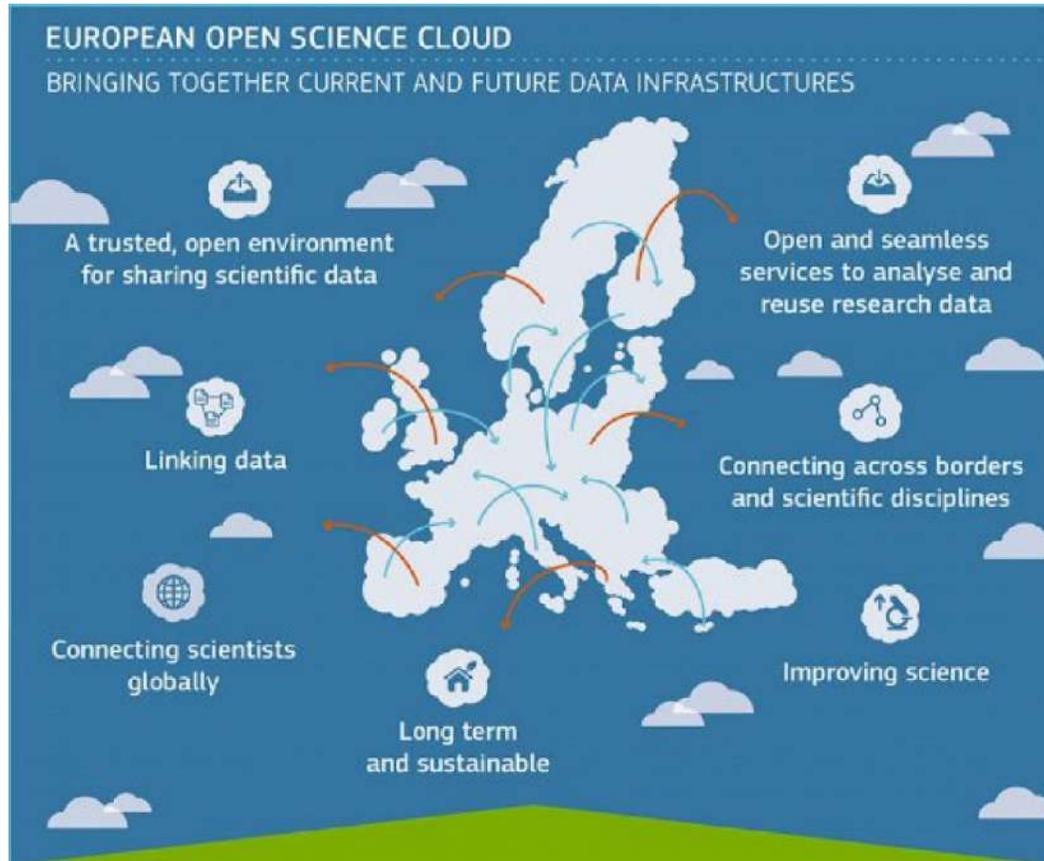


Open science training and education in EOSC

The story so far





ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud

EOSC overview

The European Open Science Cloud

Enabling the digital transformation of research: towards more of data-intensive, collaborative and cross-disciplinary science

“A process not a project”

– EOSC Declaration

EOSC values

Focused on research needs

Community-driven

Inclusive and respectful of diversity

Accessible to all from large equipment, large computers & 'big data' to 'small data' and long-tail research

Open by default – closed where necessary

Hands-on and participatory

Transparent and trustworthy

[EOSC Strategic Implementation Plan, June 2019](#)



www.force11.org/group/fairgroup/fairprinciples

The skills gap

In 2016 the report Realising the European Open Science Cloud identified 10 challenges and general observations, three of which highlighted a need for relevant skills:

“There is an alarming shortage of data experts both globally and in the European Union.

This is partly based on an archaic reward and funding system for science and innovation, sustaining the article culture and preventing effective data publishing and re-use.

A lack of core intermediary expertise has created a chasm between e-infrastructure providers and scientific domain specialists.”

**"500,000 data scientists
needed in European open
research data"**

Realising the European Open Science Cloud (2016)
https://ec.europa.eu/research/openscience/pdf/realising_the_european_open_science_cloud_2016.pdf



Open science training in Europe

A non-exhaustive selection of initiatives!



A timeline of training in EO SC



EO SC Skills & Training
Executive Board Working Group

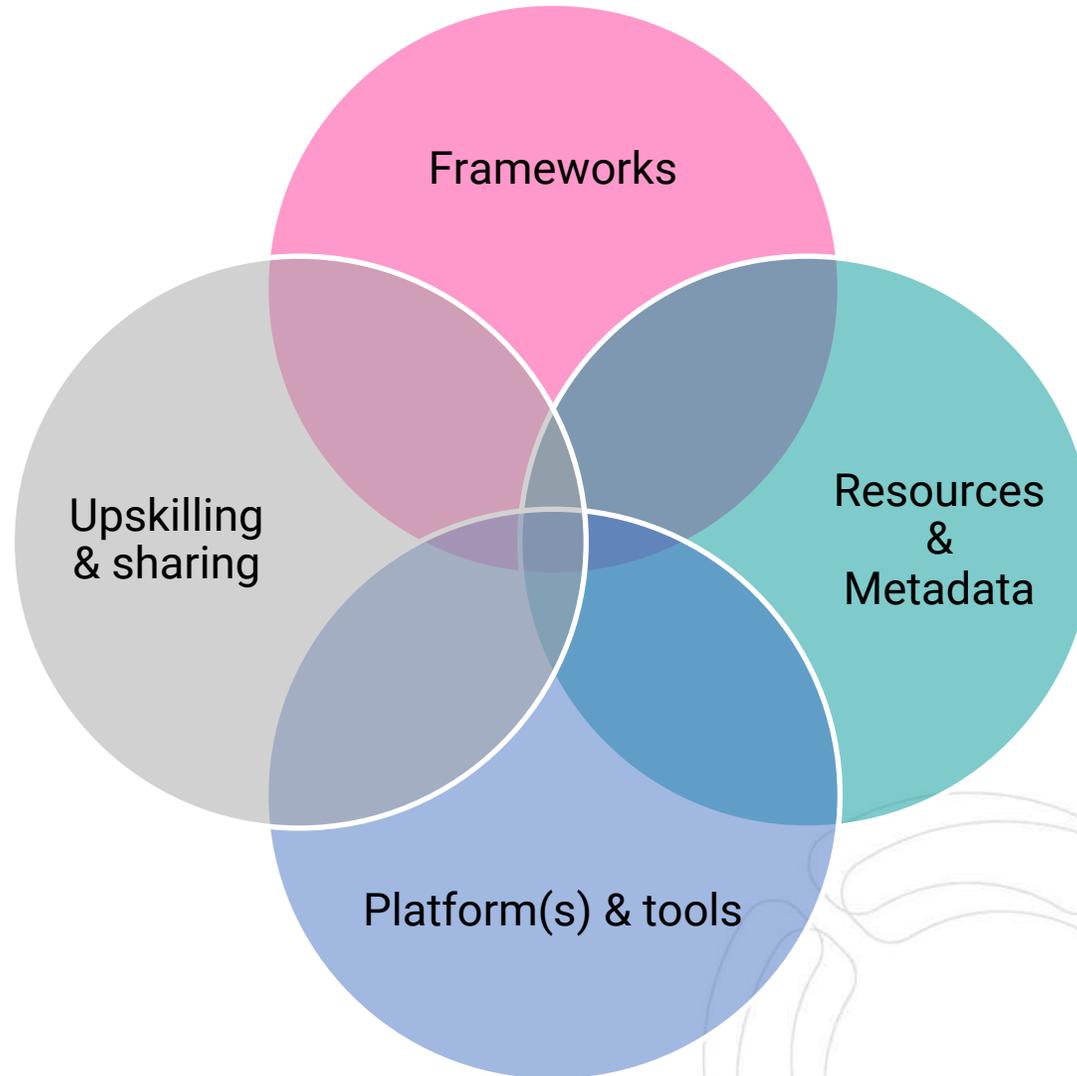
eosc Advisory Groups



Regional projects

Cluster projects

Areas of training activity in EOSC



EOSC Association Advisory Groups

Task Forces addressing key areas of implementation <https://eosc.eu/advisory-groups>

Implementation of EOSC

- Rules of Participation compliance monitoring
- PID policy and implementation
- Researcher engagement and adoption

Technical challenges on EOSC

- Technical interoperability of data and services
- Infrastructure for quality research software

AAI Architecture

- Metadata and data quality
- Semantic interoperability
- FAIR metrics and data quality

Research careers and curricula

- Data stewardship curricula and career paths
- Research careers, recognition and credit
- Upskilling countries to engage in EOSC

Sustaining EOSC

- Defining funding models for EOSC
- Long-term data preservation

Upskilling countries to engage in EOOSC

EOOSC Association Task Force, part of the Research Careers and Curricula Advisory Group

- Aligning and supporting existing EOOSC initiatives on a national/domain basis
- Promoting the exchange of approaches across the member states and regions, organisations and groups
- Leveraging information from EOOSC Task Forces, projects and initiatives to help nations to identify and implement paths to improvement or “upskilling”
- 25 members, representing 16 countries
- Regular presentations about OS and EOOSC in countries and/or domains

The screenshot shows the website for the 'Upskilling countries to engage in EOOSC' task force. It includes a navigation bar with links for 'EOOSC', 'STRATEGIC AGENDA', 'ADVISORY GROUPS', 'NEWS & EVENTS', 'ASSOCIATION', 'EOOSC FOCUS', and 'CONTACT'. The main heading is 'Upskilling countries to engage in EOOSC'. Below this is a brief description of the task force's focus on Open Science education and skill development. The page is organized into sections: 'Chairs' (with portraits of Joniska Lindvall, Helen Clare, and Wilhelm Widmark), 'Board Liaison' (with a portrait of Zsófia Kozlákó), and 'Outputs' (with a link to the 'Task Force charter'). The 'Members' section is a grid of 25 teal boxes, each containing a member's name and affiliation.

Members			
Andersson, Sofia Karlstad University	Bonaccorsi, Daniele University of Bologna / INFN	Cebecauer, Marek Czech Academy of Sciences	Clivaz, Claire SIB
Cox, Cymon Centro de Ciencias Do Mar	Dall, Elko Centre for Social Innovation	Dobrev, Milena Sofia University	Filiposka, Sonja UKM
Flynn, Katherine ISEKI-Food Association	Garnett, Vicky DARIAH-EU	Gruenpeter, Natalia University of Warsaw	Hackl, Claudia University of Vienna
Kikidmè Kilemen, Ildikó KFD	Lazzeri, Emma GARR	Marck, Jiri Masaryk University	Nazakat, Ali CNRS
Prieses-Buchheit, Julia Kiel University	Saueregger, Bernd TU Wien	Tanbay, Betül Bogazici	Trif, Ioana UEFISCDI
Weber, Beatrix GEANT			

Open science training coordinators' community of practice

Owned and driven by members...

Set up in
2018

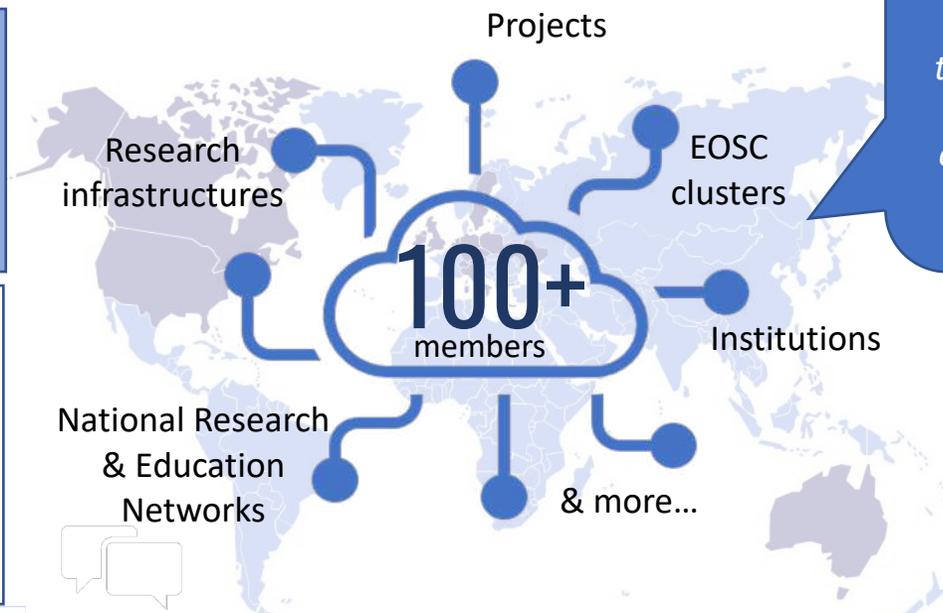


Slack channel



Google Group

Map credit: adapted from [Al MacDonald @F1LT3R](#)



"The CoP can be regarded as a discipline transcending network of trainers and training organisers. We have built a community. We are exchanging information and best practices."
CoP member, 2020



www.openaire.eu/cop-training

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Thank you!

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