



2nd meeting (online)

April 1, 2020

Attending: Karla Anaya-Carlsson, Iris Andersson, Ignacio Blanquer, Carlos Casorrán, Ieva Cesevičiūtė, Miroslav Dobrucky, Francesca Di Donato (on behalf of Suzanne Dumouchel for the first part of the meeting), Suzanne Dumouchel, Judit Fazekas-Parragh, Sonja Filiposka, Vinciane Gaillard, Jacco Konijn, Iryna Kuchma, Giuseppe La Rocca, Emma Lazzeri, Dunja Legat, Natalia Manola, Vera Matser, Ana Portugal Melo, Eleni Petra, Caterina Petrillo, Jaume Piera, Jerzy Proficz, Fotis Psomopoulos, Ricarda Reimer, Lennart Stoy, Elin Stangeland, Anne Sunikka, Michael Svendsen, Erzsébet Tóth-Czifra, Celia van Gelder, René van Horik, Angus Whyte, Vassia Diochnou

Apologies: Helen Clare

Agenda, notes and actions

Welcome. Tour de table.

Recap of WG remit and February face-to-face meeting (a blog post outlining the first meeting:

<https://www.eoscsecretariat.eu/news-opinion/competence-capabilities-eosc-skills-training>)

Action 1: If you haven't signed up for task forces yet, please do so

Action 2: If you don't have access to the WG Google folder, please alert Vassia

Recap from Task forces: Initial work plan, timelines, deliverables

Task force 1 EOOSC minimal skillset: what is it?

Objectives of the TF

- Establish a skills development framework
- Identify and prioritize open science and digital skill sets for EOOSC, targeting researchers (for open science and RDM practices), service providers (for providing their services to EOOSC), and policy makers (on how to align with open science and data policies)

Recap of the F2F discussions

1. Diversity of needs, backgrounds and roles of the EOSC users + many dimensions of EOSC tools and processes:
 - a. possible language and communication problems
 - b. need for a common EOSC glossary
2. Need to improve the visibility of the “user system”, to address specific training needs, of e.g. different scientific communities (e.g. ELIXIR), individual researchers and facilities
 - a. Ignacio’s diagram
 - b. link to other EOSC WGs to maximise synergies and avoid overlap
3. Need to do a mapping exercise/matrix out of the existing skills and competences frameworks (e.g. FAIR4S, EDISON) and other resources (e.g. OECD report, ELIXIR’s methodology)
 - a. extract the objectives, commonalities & differences
 - b. conduct a basic SWOT analysis
 - c. skills/roles mapped to tasks & organisational functions (! EOSC context !)
 - d. recognition of the roles will be pivotal
 - e. ‘open’ should be part of the minimal skill set

Need to address capacity-building

- Building the workforce
- Upscaling the workforce

Looking ahead

- Open science and digital skill sets for EOSC for researchers, service providers and policy makers will be identified and prioritised.
- A study will be commissioned to frame digital skills required in EOSC.
- Need to address the issue of the certification of the skills set
 - possible joint TF
 - liaise with the TF on certification from the FAIR WG

Action 3: Include a citizen scientist in Ignacio’s diagram

Task force 2 Options for organizational models for regional/thematic/EU competence centers and their coordination

Looked at best practice examples: [FAIRsFAIR WP6](#), [FAIR Competence Centre](#), [D6.1 report](#) p.14 - current competence centres categorized into seven major groups, p. 16: five key service areas used to characterise current competence centres, [FsF Competence Centre Characterisation](#), Competence Centre Characteristics - D6.2 on Competence Centres will be released by the end of this week

Focus on Research infrastructures, national and institutional competence centers organizational models

Task Force 3 – National Strategy

Objective: Produce a high-level strategic report on how skills EOSC development and training fits in wider national policies and strategies

- EOSC skills: fair data & data intensive science
- EU Digital Skills Agenda – integral component of digital workforce

Concrete activities:

- develop the scope – who we target, for what
- propose the key components – outline
- commission a study – guide, disseminate, communicate

Input from the other two task forces: skills & competence centers

Target audience: Policy makers at all layers

- Ministries – include EOSC skills development in wider digital skills agenda
- Academic Institutions – include in education curricula
- Research Performing Organizations – staff for competence centers
- Research Funding Organizations – fund skills development
- ?

Key components



Stakeholders

1. National policy makers
 - a. Acquire skills on open science policies
 - b. Involved in funding
2. Competence centers roles
 - a. Data stewards / data scientists / data managers
 - b. IT: developers/operators/users of EOSC services
 - c. Experts/managers/leaders
 - d. Legal / data protection
3. Educators

4. ?

Costs: Evaluate costs for different functions and models (competence centers & education)

Funding: Types of funding MS can use

Career perspectives: Digital workforce for science

- Scientific labour market / FAIR data, data intensive science
- Life-long learning - digital upskilling needed for scientists and skilled research support professionals
- Cross-sectoral
 - Research and other domains (public sector, industry)
 - Transferable skills for changing career

Strategy: Relevance with Digital Skills and Jobs:

<https://ec.europa.eu/digital-single-market/en/policies/digital-skills>

Funding: Relevance with Digital Europe programme:

<https://ec.europa.eu/digital-single-market/en/news/digital-europe-programme-proposed-eu92-bill-ion-funding-2021-2027>

Implementation: Relevance with Digital Skills and Jobs Coalition

<https://ec.europa.eu/digital-single-market/en/digital-skills-jobs-coalition>, Digital Skills & Jobs Coalition initiatives repository

<https://ec.europa.eu/digital-single-market/en/digital-skills-jobs-coalition-initiatives>

Concrete outputs

- Templates for strategies for institutions
- Templates/ingredients for national strategies
- Terminology

Timeline

1. Gather information – initial scoping. April 30

- EOSC WG Landscape report – Identify elements for training (Iryna, all – Mid April)
- Beyond EOSC: Desk research on national initiatives (April 30)
 - What is the focus?
 - What are the organizations involved?
 - Which levels? Is research included?
 - Data vs. IT
 - Education vs. training
 - Sample with 3-5 countries

2. Draft the basic components, and finalize by May 30

- EOSC and need for digital skills/training

- Stakeholders involved in the research process
- Skills needed for EOSC (TF 1)
- Competence centers: functionality, roles (TF 2)
- Landscape of national strategy and initiatives (focus, objectives, actors, implementation)
- Connections, integrations/interventions for EOSC
- Costs and funding
- Recommendations for policy makers
- How to apply/implement

3. Commission study. June 15

4. Templates. Start June 15

Action 4: Iryna to liaise with the expert hired by the EOSC secretariat (co-creation grant) to produce a glossary and with the EOSC Glossary Interest Group

<https://www.eoscsecretariat.eu/eosc-glossary>

Where is discipline perspective - generic framework vs discipline specific? - Start generically, add disciplinary examples (referencing, not adding anything new), see how a generic framework is applied in specific domains and make sure that discipline perspective isn't missing there; use domain/discipline as a validation process.

Cross-cutting issues across task forces: scenarios (use cases), templates and recommendations (e.g. to specific domains)

Ignacio's diagram discussion

Roles - What about the research software engineering role - for reference

<https://rse.ac.uk/what-is-an-rse/>

General public shouldn't be just consumers, but they also produce - prosumers? All data producers should be acknowledged, maintaining privacy. Triple role actually - consumers, producers of data and scientists.

It would be good to understand the middle part EOSC Core and EOSC Exchange - they come from Solutions for a Sustainable EOSC: A tinman report from the EOSC Sustainability Working Group.

A big focus on services, but data is missing. - Data will be added.

But what about software? Shouldn't we include it as well? Perhaps it's an argument not to include data, otherwise we will have to include software as well, etc.

Discipline-specific services should be in the blue part - aren't they part of EOSC Exchange? They are, but are they a part of MvP?

And what about Research infrastructures - are they EOSC Core or EOSC Exchange? - We have different definitions for Research infrastructures, Ignacio will clarify. Merge Core services and Research infrastructures box.

At the left side - discipline expertise arrow is not very clear

The objectives of this Task force is to come up with a set of digital skills and data skills are one of them, so data should be there to reflect on

Another argument for having both data and services in - EOSC Rules for participation draft document where both of them are included

<https://repository.eoscsecretariat.eu/index.php/s/QWd7tZ7xSWJsesn#pdfviewer>

Shouldn't we use the same drawing schema as in Tinman's document? Ignacio will do based on a new drawing

It would be good to add a legend to describe a diagram (related to our glossary discussion)

What do actually arrows mean?

How does this diagram relate to different working groups? Should this be adapted to organizational level? It puts various actors. Actors/roles related to services and same for data

FAIRsFAIR D4.1 is about theFAIR ecosystem components DOI: 10.5281/zenodo.3565427

Action 5: Emma (via Donatella) to share the EOSC-Pilot architecture

EOSC functions overview and EOSC Functions sketch: Actors from this diagram will play a role in TF 1, 2 and 3

SRIA - Strategic Research and Innovation Agenda

Input for EC and MS/AC for 2-year implementation phases and funding priorities for the EC (to identify strategic priorities, not to allocate funding)

- Vision and goals
- Key challenges
- Areas of interest (technical and non-technical)
- For each area: Status – Gaps – Priorities
- Implementation recommendations

We need to deliver our part about Skills & Training by April 23-24 EB reviews and approves the first full draft of the document

April 29 Full draft sent to GB ahead of its meeting on May 13

How to proceed

Step 1: Identify and agree upon key priority areas (April 10)

Step 2: Elaborate on details (April 15-17)

Step 3: Prioritize and deliver first draft (April 30)

Action 6: contribute to the documents above

Action 7: Design a communication strategy for our WG, e.g.

- a public version of the minutes available on the WG page
- a blog post published after each of the meetings
- how do we disseminate blogs?

Action 8: EOSC hub week <https://www.eosc-hub.eu/events/eosc-hub-week-2020-karlsruhe> - how do we shape our session during the EB workshop? And also are we going to have a session at the high level event in December in Berlin?

Action 9: Next video conference in the end of April to discuss the progress

Actions:

1. If you haven't signed up for task forces yet, please do so
2. If you don't have access to the WG Google folder, please alert Vassia
3. Comment on Ignacio's diagram and Ignacio will revise it
4. Iryna (via Emma) to liaise with the expert hired by the EOSC secretariat (co-creation grant) to produce a glossary and with the EOSC Glossary Interest Group <https://www.eoscsecretariat.eu/eosc-glossary>
5. Emma (via Donatella) to share the EOSC-Pilot architecture
6. Contribute to the SRIA document
7. Design a communication strategy for our WG (Vassia, Iryna, Natalia, Vinciane...)
8. EOSC hub week <https://www.eosc-hub.eu/events/eosc-hub-week-2020-karlsruhe> - how do we shape our session during the EB workshop? And also are we going to have a session at the high level event in December in Berlin?
9. Next video conference in the end of April to discuss the progress