Charter - pre-final version (11 June 2021)
Task Force "Upskilling Countries to engage in EOSC"

This TF recognizes the significant developments in Open Science education being addressed at Member State level within research performing organisations and disciplinary groups. It will assist in aligning skills initiatives and supporting the onboarding of these into EOSC. The task force will also promote the exchange of models across the groups.

Main aims

This task force focuses on academic and higher education institutions as its main stakeholders as well as policy making bodies introducing and implementing Open Science education and policies[1]. Its main aims are:

- Developing a scoping instrument allowing comparative analysis of the state of preparedness related to skills and education on a national level.
- Capturing the information and providing a comparative analysis and suggestions for pathways for upskilling Open Science on a national level.
- Supporting the dialogue of stakeholders involved in Open Science education developments, Open Science policy making, upskilling models and strategies on a national level across Europe.

Target audience

We will consider all the actors described in the report "Digital skills for FAIR and Open Science"[2]. In particular, this task force will focus on the skills/knowledge of:

- policy makers
- academic managers
- researchers
- citizens

Core activities

Develop a robust methodology that allows us to capture the current state, identify aims and monitor progress regarding Open Science education:

Phase 1: PREPARATION

- Develop a scoping exercise describing national situations regarding Open Science education (based on a fixed list of qualities and attributes to capture the situation) taking previous work into account[3].

---

[1] This work builds upon report wg training and skills and EOSC projects focusing on the national perspective such as Landscape of EOSC-related infrastructures and initiatives
Report from the EOSC executive board working group (WG) landscape : version 2, Country sheets analysis
Report from the EOSC Executive Board Working Group (WG) Landscape, Arvola, M., Beckmann, V., Budroni, P., Castelli, D., Cavalli, V., Davidson, J., … Van Wezel, J. (2021, January 20). Second Working Proposal for Living Indicators to Monitor MS Progresses Towards EOSC Readiness. Zenodo.
http://doi.org/10.5281/zenodo.4452799
[2] Manola, N., Lazzeri, E., Barker, M.,Kuchma, I., Gaillard, V., Stoy, L. (2021) "Digital skills for FAIR and Open Science - Report from the EOSC Executive Board Skills and Training Working Group", European Commission. Directorate General for Research and Innovation. & EOSC Executive Board. Publication office,
https://doi.org/10.2777/59065
[3] Such as National EOSC Landscapes from EOSC Synergy:
https://www.eosc-synergy.eu/national-eosc-landscapes/

- Liaise with stakeholders that can provide information on ongoing developments (seminars for researchers, "University syllabuses etc) in order to identify Open Science education models in different countries, such as overarching research communities and infrastructures, University associations, Competence Centres, EOSC implementation projects on Open Science education[4].
- Define various onboarding and upskilling metrics and/or paths for success per nation and based on education type, and create a harmonized plan that respects the diversities.

Phase 2: INITIAL IMPLEMENTATION AND REFINEMENT
- Identify similarities and differences in national perspectives, gaps overlapping actions, best practices and country champions, levels of engagement.
- Produce a limited number of national reports based on the scoping exercise[5].
- Mapping methodology review to capture new elements.
- Refine the plan for harmonizing Open Science education and create recommended next steps on a national level[6].

Phase 3: FULL IMPLEMENTATION
- Extend the initial implementation and apply the reviewed mapping to other countries.
- Promote and support recommended steps for engagement and onboarding with regard to Open Science education.
- Launch a communication campaign around country champions and possible steps for Open Science education at a national level.

Planned duration and timeline
The total planned duration is 24 months:
Month 1 - 6   Phase 1 Preparation
Month 7 - 12   Phase 2 Initial implementation and refinement
Month 13 - 24   Phase 3 Full implementation

Deliverables and milestones

Month	Type of outcome	Title
M6	Milestone1	Scoping instrument developed.
M12	Deliverable1	Documentation on applying the scoping instrument with examples from specific countries.
M24	Deliverable2	Final report including national snapshots and suggestions on how to assess national situations and plan for improvement.

---

[4] A useful work on identifying national stakeholders in South-Eastern Europe (in general, not related to upskilling) was done within the NI4OS project and is available on https://zenodo.org/record/3435609#.YLSwRKgzZxA. Their dataset, after a quality check and a suitable extension, can be used in identifying relevant stakeholders who are already visible in some of the countries.
[5] The country descriptions will be in the style of: Eosc synergy country reports and country pages of OpenAIRE NOADs.
[6] This work could be inspired by the approach Science Europe DMP evaluation rubric.

Working methodology
The activities will be done in small subgroups of the task force members (desktop research). Information and feedback will be collected by organising workshops and webinars; in addition the task force will organise a process of open consultation via the EOSC Association website (with open feedback forms/surveys/calls for use cases etc). Initial assessments will be implemented in two rounds, during phase 2 and phase 3. Selections will happen both by inviting Countries to participate, in case their situation is known by the task force members, or via Open Calls. Results will be published in national snapshots and reporting analyses around possible development routes and recommended steps respecting diverse national routes around Open Science education.
The task force will regularly discuss and integrate outcomes from the TFs mentioned under Dependencies where they are suitable as examples of successes and inspire improvements on a national or institutional level.

Dependencies
The Task Force Upskilling countries to engage in EOSC aligns to the EOSC definition of Open Science and, sharing this definition with the other TFs, works in close collaboration with the Task Forces: "*Data Stewardship Curricula and Career Paths*" and "*Research Careers, Recognition, and Credit*" in our Advisory Group "*Research Careers and curricula*" and the task forces in Advisory Group "*Research engagement and adoption*". For alignment we envisage regular communication with the other TFs on a monthly basis.

Membership
Ideally this Task Force consists of around 30 members representing stakeholders active in Open Science education such as research communities, research performing organisations, national representatives, European universities associations, implementers and funders. We will be looking for a balance of educators, academics, technicians, managers and policy makers.