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WORKING PAPER

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CONTRIBUTION

From:	ERAC SWG OSI
To:	ERAC (European Research Area and Innovation Committee)
Subject:	ERAC Standing Working Group (SWG) on Open Science and Innovation Draft Work Programme 2019-2020

Delegations will find attached, for their information, the Draft Work Programme 2019-2020 of the ERAC Standing Working Group (SWG) on Open Science and Innovation, following its presentation at the ERAC Steering Board meeting of 7 May 2019.

ERAC Standing Working Group (SWG) on Open Science and Innovation

DRAFT Work Programme 2019-2020

1. Introduction

The work programme of the ERAC SWG on Open Science and Innovation (ERAC SWG OSI) will cover a period of 18 months and include the activities the SWG OSI plans to undertake in line with its mandate and the ERA Roadmap.

The overall objective of the SWG OSI is to advise, in the context of open science and open innovation, on the development and implementation of policies and initiatives to enhance access to scientific information, and the circulation and use of knowledge for research and innovation for the benefit of scientists, research institutions, education, businesses, citizens and society at large, with the issues being considered primarily from the perspective of these end-users.

2. Mission

In accordance with its mandate, the Standing Working Group shall:

- Promote the top action priority 5 of the ERA Roadmap 2015-2020: implementing open access and knowledge transfer policies at national level in order to maximize the dissemination, uptake and exploitation of scientific results;
- Promote the implementation of the agreed top action priorities in the ERA Communication (COM (2012)392 final) and its related Roadmap 2015-2020;
- Provide forward looking policy advice to ERAC on knowledge circulation and the areas in which the SWG is responsible in line with its mandate, including the framework conditions and regulatory issues affecting knowledge circulation and related dimensions in Europe, and address emerging issues linked to knowledge circulation, especially when identified by ERAC;
- Share good practices across Member States and Associated Countries on how to ensure and foster optimal knowledge circulation and suggest EU-level relevant initiatives;

- Consider and recommend ways to overcome significant legal, economic, political and technical or other barriers associated with knowledge circulation and related dimensions to increase the economic and social/societal impact of the scientific results and research data generated and develop recommendations for international principles;
- Provide advice, for which it is responsible in line with its mandate, to ERAC on any other topic related to digital and open science and innovation that ERAC may consider of interest.

The SWG OSI, in line with the overall objective of the SWG OSI to provide advice on the development and implementation of policies and initiatives on open science and open innovation, will continue to work closely with the Commission on the implementation of the European Open Science Cloud (EOSC).

3. Structure and implementation of the Work Programme 2019-2020

The Work Programme 2019-2020 is based on the SWG OSI's mission and mandate. It will continue to be focused on the five thematic priorities identified in its first Work Programme:

- *Open Research Data and Infrastructures*
- *Open Access to publications: models, costs and metrics*
- *Research and researchers' incentives, evaluation and impact assessment*
- *Innovation*
- *Training and skills*

Training and skills and *Research and researchers' incentives, evaluation and impact assessment* represent not only crucial thematic priorities by themselves, but also crosscutting dimensions embedded across all the thematic areas. Given the workload represented by the activities under the previous work programme, these topics were not properly addressed but will be so under the Work Programme 2019-2020.

In this context, the SWG OSI will liaise closely with other ERA-related groups and in particular the ERAC SWG Human Resources and Mobility (HRM) as regards the thematic priorities of training and skills, researcher's incentives, evaluation and impact assessment, given the SWG HRM's ongoing work in this field. SWG OSI will also work closely with the Commission on this topic. Additionally, the SWG OSI will engage into a constructive dialogue with ESFRI as regards developments on open science and open research data infrastructures in Europe, in order to foster the complementarity of their approaches in this regard.

In regard to innovation, the SWG OSI will continue the work on Open Innovation that has been initiated during the previous Work Programme.

Moreover, the SWG OSI will take into account of the work carried out by other relevant stakeholder groups in the field of open science and innovation, including the work of the Open Science Policy Platform, that of the European Commission's Expert Group on Indicators or the cOAlition S.

The Work Programme translates the mission and goals of the SWG into a concrete work plan to be pursued during the next eighteen months to effectively address the most strategic policy questions related to its mandate. Key activities such as sharing of good practice and mutual learning across Member States and Associated Countries will be part of the working process and methodological approach to properly address policy recommendations.

The Annex attached to this Work Programme gives an overview for 2018 and until mid-2019, taking into account the different activities to be carried out during this period.

ANNEX

DRAFT ERAC SWG OSI's WORK PROGRAMME 2019-2020

ERAC SWG OSI WP	Meetings and deliverables					
	10 October 2019	18 December 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020
Main activities	Light revision of OSI mandate (according to Action Plan on the ERA review)				Discussions 2021-2022 Work Programme	
Advise on development and implementation of policies and initiatives in the context of OSI	<ul style="list-style-type: none"> - Exchange on EOSC with the requested EOSC rapporteur - Advise on development and implementation of policies and initiatives in the context of OS and OI - especially regarding the possible update of the EC IP-Recommendation - SWG OSI Opinion on future ERA priorities in Open Science and Innovation (2020-2030) 	<ul style="list-style-type: none"> - Exchange on EOSC with the requested EOSC rapporteur - Advise on development and implementation of policies and initiatives in the context of OS and OI - especially regarding the possible update of the EC IP-Recommendation - SWG OSI Opinion on indicators for monitoring Open Science and Open Innovation 	<ul style="list-style-type: none"> - Exchange on EOSC with the requested EOSC rapporteur - Advise on development and implementation of policies and initiatives in the context of OS and OI - especially regarding the possible update of the EC IP-Recommendation - SWG OSI Opinion on infrastructures for Open Science and Open Innovation (not limited to EOSC) 	<ul style="list-style-type: none"> - Exchange on EOSC with the requested EOSC rapporteur - Advise on development and implementation of policies and initiatives in the context of OS and OI - especially regarding the possible update of the EC IP-Recommendation - SWG OSI Opinion on a “document” from the Commission on Open Innovation 	<ul style="list-style-type: none"> - Exchange on EOSC with the requested EOSC rapporteur - Advise on development and implementation of policies and initiatives in the context of OS and OI - especially regarding the possible update of the EC IP-Recommendation - SWG OSI Opinion on incentives, evaluation and training in Open Science and Open Innovation (with a focus on OS&I in innovative doctoral training) 	<ul style="list-style-type: none"> - Exchange on EOSC with the requested EOSC rapporteur - Advise on development and implementation of policies and initiatives in the context of OS and OI - especially regarding the possible update of the EC IP-Recommendation
Promote top action priority 5 of the ERA Roadmap 2015-2020	<ul style="list-style-type: none"> - SWG OSI Opinion on future ERA priorities in Open Science and Innovation (2020-2030) 		<ul style="list-style-type: none"> - Contribution to ERAC Annual Report 	<ul style="list-style-type: none"> - Monitoring of the fifth priority of the ERA NAPs 		

<p>Promote implementation of agreed top action priorities in 2012 ERA Communication and its related Roadmap 2015-2020</p>		<ul style="list-style-type: none"> - SWG OSI Opinion on indicators for monitoring Open Science and Open Innovation - Further work on SWG OSI's thematic priorities and crosscutting issues (like dissemination and impact of the SWG's outcomes) 	<ul style="list-style-type: none"> - SWG OSI Opinion on infrastructures for Open Science and Open Innovation - Further work on SWG OSI's thematic priorities and crosscutting issues (like dissemination and impact of the SWG's outcomes) 	<ul style="list-style-type: none"> - Monitoring of the fifth priority of the ERA NAPs - Non-formal impact assessment of the Recommendations to ERAC on OSI - Further work on SWG OSI's thematic priorities and crosscutting issues (like dissemination and impact of the SWG's outcomes) 	<ul style="list-style-type: none"> - Further work on SWG OSI's thematic priorities and crosscutting issues (like dissemination and impact of the SWG's outcomes) 	<ul style="list-style-type: none"> - Further work on SWG OSI's thematic priorities and crosscutting issues (like dissemination and impact of the SWG's outcomes)
<p>Provide forward looking policy advice to ERAC on the areas for which the SWG is responsible and address emerging issues</p>	<ul style="list-style-type: none"> - SWG OSI Opinion on future ERA priorities in Open Science and Innovation (2020-2030) 	<ul style="list-style-type: none"> - SWG OSI Opinion on indicators for monitoring Open Science and Open Innovation roadmaps 	<ul style="list-style-type: none"> - SWG OSI Opinion on infrastructures for Open Science and Open Innovation 	<ul style="list-style-type: none"> - SWG OSI Opinion on a "document" from the Commission on Open Innovation 	<ul style="list-style-type: none"> - SWG OSI Opinion on incentives, evaluation and training in Open Science and Open Innovation (with a focus on OS&I in innovative doctoral training) 	
<p>Share good practices across MS & ACs on how to ensure and foster optimal knowledge circulation and suggest EU-level initiatives</p>	<ul style="list-style-type: none"> - Feedback from the non-meeting with ESFRI on infrastructures for Open Science and Open Innovation - Presentation and discussion of a national good practice in OS and/or OI - Exchange of views at ERAC SB 	<ul style="list-style-type: none"> - Further work with ESFRI on infrastructures for Open Science and Open Innovation - Presentation and discussion of a national good practice in OS and/or OI 	<ul style="list-style-type: none"> - Work with SWG HRM on Training and Skills - Presentation and discussion of a national good practice in OS and/or OI - Exchange of views at ERAC SB 	<ul style="list-style-type: none"> - Work with SWG HRM on Training and Skills - Presentation and discussion of a national good practice in OS and/or OI - Exchange of views at ERAC SB 	<ul style="list-style-type: none"> - Presentation and discussion of a national good practice in OS and/or OI - Exchange of views at ERAC SB 	<ul style="list-style-type: none"> - Exchange of thoughts with representatives of the European Higher Education Area on the cross-fertilization between Open Science, Open Innovation and Open Education

		- Exchange of views at ERAC SB				- Presentation and discussion of a national good practice in OS and/or OI - Exchange of views at ERAC SB
Recommend ways to overcome significant barriers related to knowledge circulation to increase impact of scientific results and research data and develop recommendations for international principles	- SWG OSI Opinion on indicators for monitoring Open Science and Open Innovation (including impact assessment)	- SWG OSI Opinion on infrastructures for Open Science and Open Innovation	-			
Provide advice to ERAC on any other topic related to digital and open science and innovation that ERAC may consider of interest				- SWG OSI Opinion on a “document” from the Commission on Open Innovation	- SWG OSI Opinion on incentives, evaluation and training in Open Science and Open Innovation (with a focus on OS&I in innovative doctoral training)	