



United Nations
Educational, Scientific and
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Organisation
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Organización
de las Naciones Unidas
para la Educación,
la Ciencia y la Cultura

Организация
Объединенных Наций по
вопросам образования,
науки и культуры

منظمة الأمم المتحدة
للتربية والعلم والثقافة

联合国教育、
科学及文化组织

Questionnaire for inputs into the development of the UNESCO Open Science Recommendation

The Open Science movement has emerged from the scientific community and has rapidly spread across nations, calling for the opening of the gates of knowledge. Investors, entrepreneurs, policy makers and citizens are joining this call.

However, in the fragmented scientific and policy environment, a global understanding of the meaning, opportunities and challenges of Open Science is still missing.

UNESCO, as the United Nations Agency with a mandate for Science, is the legitimate global organization enabled to build a coherent vision of Open Science and a shared set of overarching principles and shared values. That is why, at the 40th session of UNESCO's General Conference, 193 Member States tasked the Organization with the development of an international standard-setting instrument on Open Science in the form of a UNESCO Recommendation on Open Science.

The Recommendation is expected to define shared values and principles for Open Science, and identify concrete measures on Open Access and Open Data, with proposals to bring citizens closer to science and commitments facilitating the production and dissemination of scientific knowledge around the world. It will be developed through a regionally balanced, multistakeholder, inclusive and transparent consultation process.

The purpose of this questionnaire is to conduct an electronic consultation with stakeholders in view of providing inputs into the UNESCO Recommendation Open Science. The questionnaire is available online at <https://en.unesco.org/science-sustainable-future/open-science>. You are encouraged to fill in the questionnaire by 15 June 2020.

For any further information, please contact the UNESCO Secretariat at openscience@unesco.org.



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Participant Information

Name of the institution

Country

Geographical coverage of the institution National Regional International

Field

Your name

Email

Position

Age ≤35 36-45 46-60 ≥61

Gender Male Female Other

Questions

A) On the meaning and practices of Open Science

1. How familiar you are with the Open Science concept?

I am not aware of it

I am aware of it but I am not involved in Open Science practices

I practice Open Science

I actively promote Open Science

2. If applicable, in which way do you practice and/or promote Open Science?

max 300 words

3. Does Open Science have a clear definition for you?

Yes

Not completely

Not at all

4. What is your understanding of Open Science?

max 300 words

5. Which of the following aspects are relevant to Open Science? Please score them based on their importance from 0 (not important) to 3 (very important).
- Open access to scientific journals 0 1 2 3 I don't know
 - Open access to data 0 1 2 3 I don't know
 - Open notebooks 0 1 2 3 I don't know
 - Open access to educational resources 0 1 2 3 I don't know
 - Open source 0 1 2 3 I don't know
 - Open infrastructures (Open labs/Open hardware)
 - 0 1 2 3 I don't know
 - Open innovation 0 1 2 3 I don't know
 - Open evaluation 0 1 2 3 I don't know
 - Open collaborations 0 1 2 3 I don't know
 - Crowd sourcing 0 1 2 3 I don't know
 - Co-design of research projects 0 1 2 3 I don't know
 - Citizen science 0 1 2 3 I don't know
 - Links with indigenous and local knowledge
 - 0 1 2 3 I don't know
 - Science outreach and communication 0 1 2 3 I don't know
6. Which of the following aspects of Open Science (if any) are relevant in **your specific field of work**? Please score them based on their importance.
- Open access to scientific journals 0 1 2 3 I don't know
 - Open access to data 0 1 2 3 I don't know
 - Open notebooks 0 1 2 3 I don't know
 - Open access to educational resources 0 1 2 3 I don't know
 - Open source 0 1 2 3 I don't know
 - Open infrastructures (Open labs/Open hardware)
 - 0 1 2 3. I don't know
 - Open innovation 0 1 2 3 I don't know
 - Open evaluation 0 1 2 3 I don't know
 - Open collaborations 0 1 2 3 I don't know
 - Crowd sourcing 0 1 2 3 I don't know
 - Co-design of research projects 0 1 2 3 I don't know
 - Citizen science 0 1 2 3 I don't know
 - Links with indigenous and local knowledge
 - 0 1 2 3 I don't know
 - Science outreach and communication 0 1 2 3 I don't know

7. Which other aspects of Open Science should be taken into consideration?

max 200 words

8. What infrastructures do you think are crucial for implementing open science policies? (e.g. access to high-speed internet, data repository equipment, etc.)

max 200 words

9. Which of the necessary infrastructures for Open Science are missing in your country?

max 200 words

10. Are there any capacity building initiatives undertaken in your country to enable Open Science? If yes, kindly indicate what they are and which elements of open science do they address?

max 200 words

11. In your experience, are current Open Science practices beneficial for all the relevant stakeholders in your country?

Yes Partly Not at all I don't have enough information

Do you have any complementary note?

max 200 words

12. In your experience, are the current open science practices beneficial for the scientists and other relevant stakeholders in both developed and developing countries?

Yes Partly Not at all I don't have enough information

Do you have any comments to add?

max 200 words

13. Do you have any concerns about the possible negative impacts of Open Science practices? If yes, please specify

max 300 words

B) On Open Science policy

14. Does your institution have an Open Science policy or strategy?

Yes No, but the process has started No I don't know

If yes, please specify.

max 200 words

15. Does your country or region have a dedicated institution/entity dealing with Open Science?

Yes No, but the process has started No I don't know

If yes, please specify.

max 100 words

16. Does your country or region have a policy or strategy on Open Science?

Yes No, but the process has started No I don't know

If yes, please specify.

max 100 words

17. Are you aware of any international framework(s) for Open Science?

Yes No

If yes, please specify.

max 50 words

C) On a global UNESCO Recommendation on Open Science

18. In your opinion, how important it is to reach a global consensus on Open Science?

Not at all It is important It is important and urgent I don't know

19. Which key aspects of the transition to Open Science should be considered by a Global Open Science Recommendation?

max 300 words

20. What are the obstacles in reaching a global consensus on Open Science?

max 200 word

21. Do you know of any specific platforms to involve different Open Science stakeholders from your country or region in the consultation process for the UNESCO Open Science Recommendation?

max 100 words

Open science and international scientific collaboration –call for global response to contain COVID-19 pandemic

The reaction of the scientific community, decision makers, and civil society during this Coronavirus outbreak has revealed the need for rapid scientific and epidemiological data sharing and the importance of international scientific collaborations.

1. Are you aware of open science initiatives in the context of the coronavirus research?
 - Yes, at the international level
 - Yes, at the national level
 - Yes, at both international and national level
 - No

2. Is your organization involved in research related to coronavirus or sharing relevant information on the virus as it unfolds?
 - Yes
 - No

3. If yes, did you have free access to the scientific information that you needed for your work?
 - Yes, most of the information that I needed has been open access
 - Yes, but I encountered cases that the access was restricted
 - No, I encountered many restricted resources

Please provide more details on you option? If available please include links.

Max 100 words

4. Do you think that open science approach during the global health crises, such as the one caused by COVID19, should become the norm and not the exception?
 - Yes
 - Yes, but with more clear instructions and regulations
 - No, this will not be necessary

5. With lessons learnt from the coronavirus pandemic countries should commit (choose from option below) % GDP for scientific research, data and knowledge sharing

- 1-2 %
- 3 %
- 5%
- 10%
- Above 10%

Reason for your choice of option in 50 words

Max 50 words

6. Do you think the COVID19 pandemics demonstrated the need for reinforced international scientific collaboration?

- Yes
- No

If yes, what types of mechanisms would be most urgently needed?

Max 100 words