



United Nations
Educational, Scientific and
Cultural Organization



Towards a UNESCO Recommendation on Open Science *Building a Global Consensus on Open Science*



UNESCO

Natural Science Sector

A UNESCO Recommendation



UNESCO 40th Session of the General Conference

At the UNESCO 40th General Conference, 193 Members States tasked UNESCO with the **development of an international standard-setting instrument on Open Science in the form of a UNESCO Recommendation on Open Science.**



A UNESCO Recommendation



UNESCO 40th Session of the General Conference

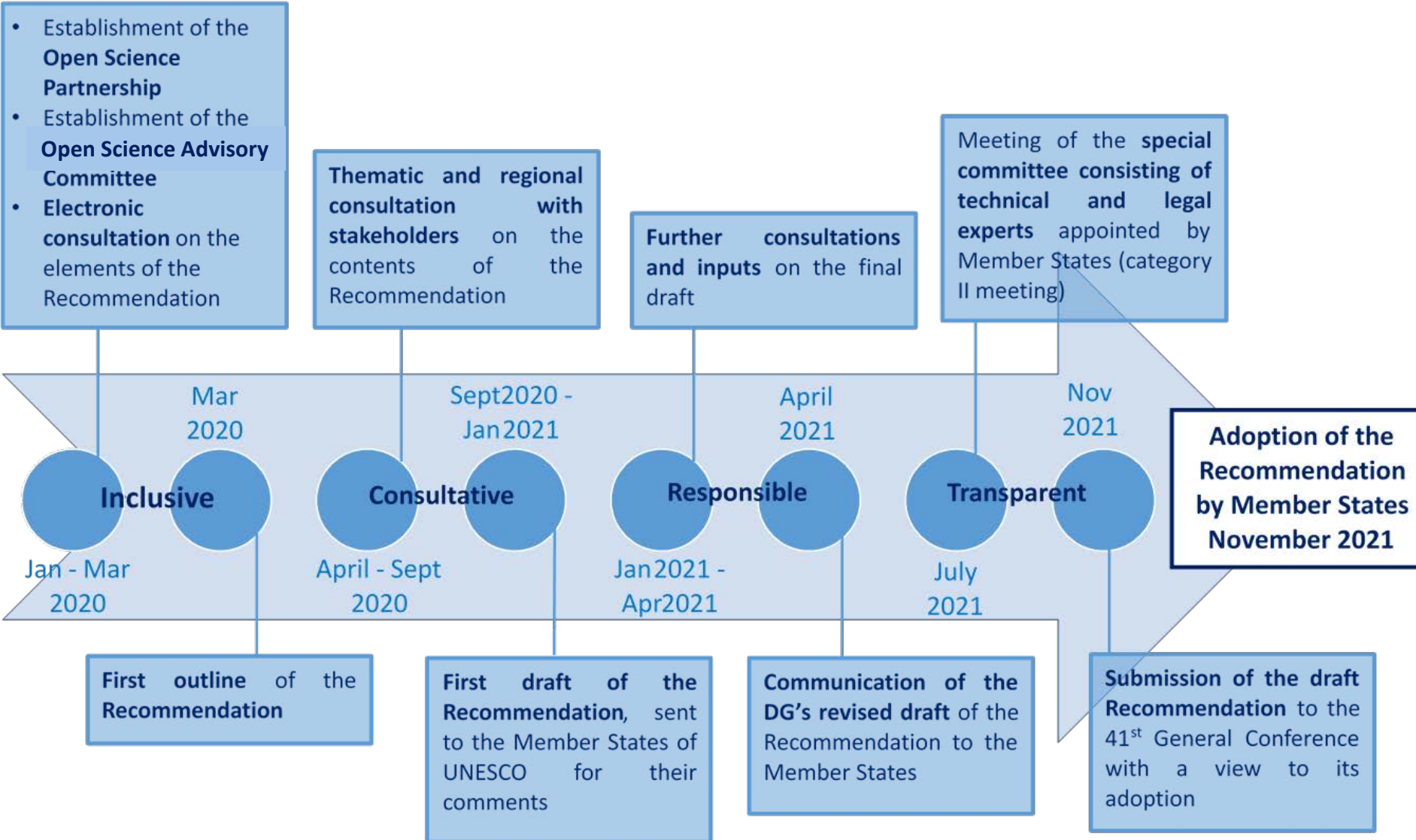
UNESCO Recommendations

Legal instruments in which “the General Conference formulates **principles and norms for the international regulation** of any particular question and **invites Member States to take whatever legislative or other steps** may be required in conformity with the constitutional practice of each State and the nature of the question under consideration **to apply the principles and norms aforesaid within their respective territories**”.

Emanating from the Organization’s supreme governing body, recommendations are intended to influence the development of national laws and practices.



Global Roadmap of the Recommendation on Open Science



Inputs and Consultations

❖ **Global online Consultation:** March- July 2020

- Inputs from International and Regional Entities
- Inputs from relevant stakeholders

❖ **Regional Consultations:** July- October 2020

Date	Consultation
12 December	Africa/AU
23 July 2020	Europe and North America
24 August 2020	Arab States
15 September 2020	Asia and Pacific
23 September 2020	Latin America and the Caribbean
24 September 2020	Eastern Europe

❖ **National Consultations**

❖ **Thematic/stakeholders Consultations:**

- Young scientists
- Citizen science
- Indigenous peoples
- UN system
-



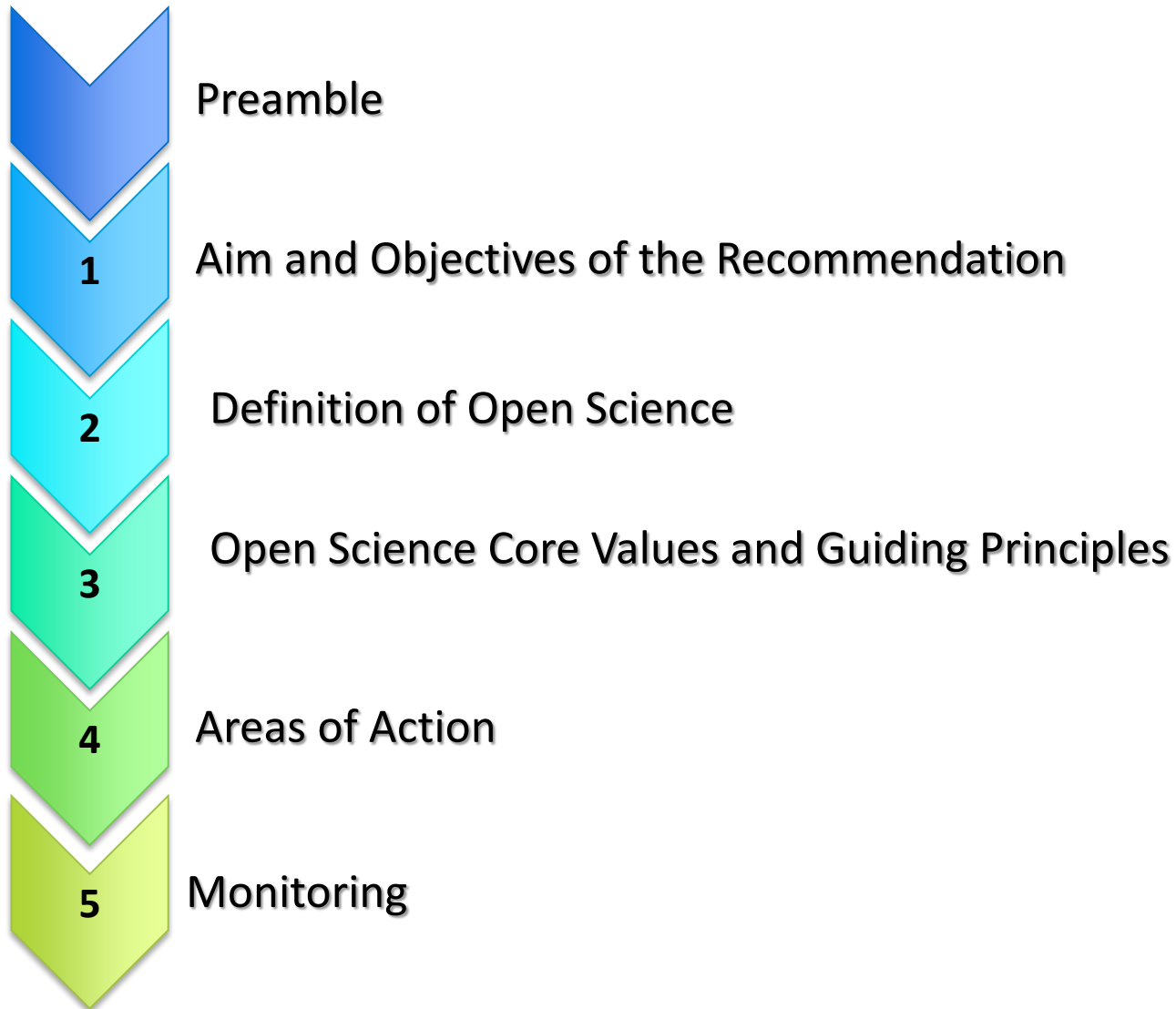
Draft text of the future UNESCO Open Science Recommendation

Drafting process

- Advisory Committee, at their first meeting in July 2020 approved the draft outline of the text of the Recommendation and the drafting process.
- Accordingly, the zero draft was circulated to the Members in August 2020 based on the inputs received:
 - from the Advisory Committee Members;
 - from the UNESCO Open Science Partners;
 - through the UNESCO Global Consultation, held online from February to July 2020
 - through the thematic and regional consultations on Open Science held since December last
- The draft is currently being finalized for transmission to Member States at the end of September 2020 incorporating inputs from regional and thematic and stakeholder discussions



Current draft of the UNESCO Open Science Recommendation



Aim of the Recommendation



1

To provide an international framework for Open Science policy and practice that:

- recognizes regional differences in Open Science perspectives;
- takes cognizance of, the specific challenges of scientists and other Open Science actors in developing countries, and
- contributes to reducing the digital, technological and knowledge divides existing between and within countries.

Definition of Open Science

Open Science refers to an umbrella concept that combines various movements and practices aiming to:

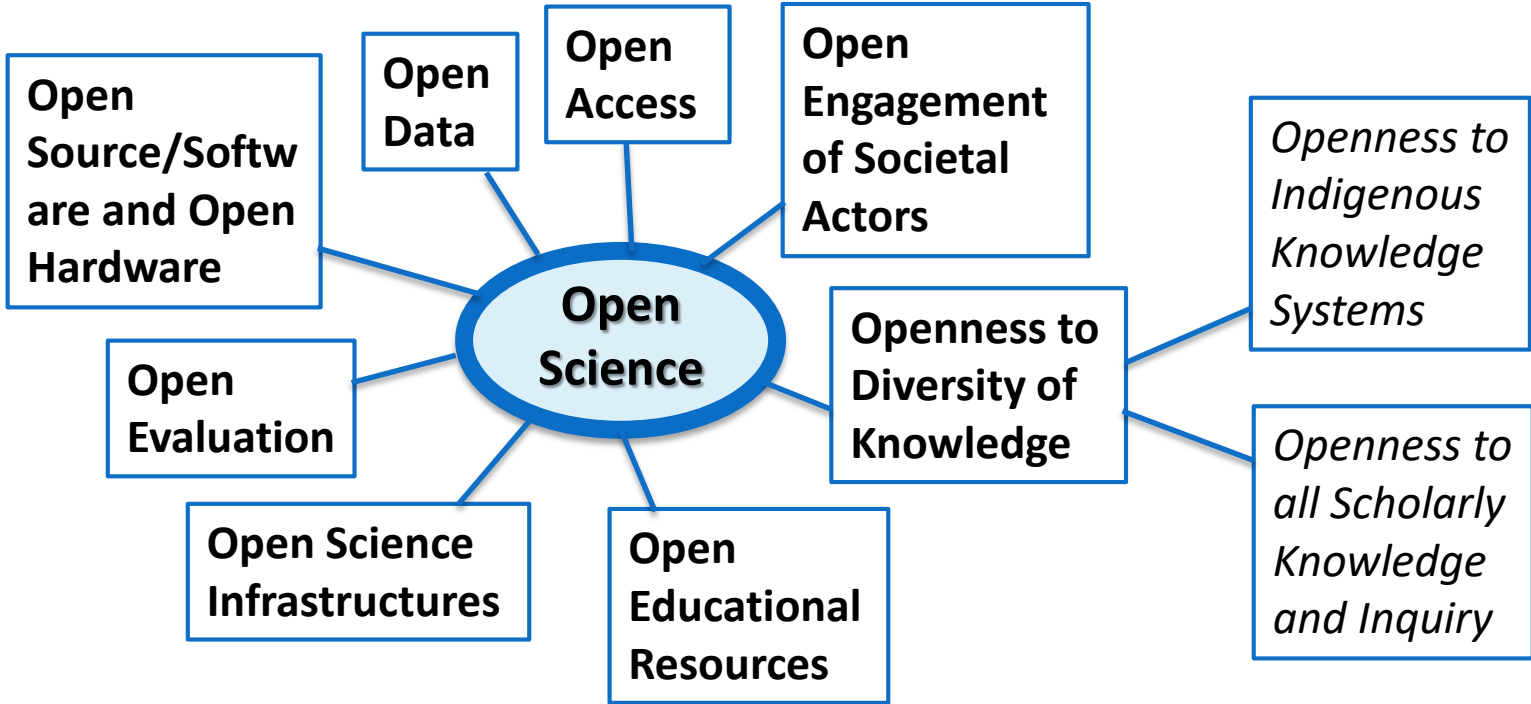
- make scientific knowledge, methods, data and evidence freely available and accessible for everyone,
- increase scientific collaborations and sharing of information for the benefits of science and society, and
- open the process of scientific knowledge creation and circulation to societal actors beyond the institutionalized scientific community.

Scientific outputs should be as open as possible, and only as closed as necessary, mindful of the issues relating to security, privacy and respect for subjects of study

Current draft of the UNESCO Open Science Recommendation

Definition of Open Science

Open Science is a complex of elements, including:



Current draft of the UNESCO Open Science Recommendation

Open Science Core Values

Quality and Integrity

Collective Benefit

Inclusiveness

Diversity

Equity and Fairness

Guiding Principles

***Transparency, scrutiny,
critique and verifiability***

***Collaboration, participation and
inclusion***

***Equal opportunities and
access***

***Respect, responsibility
and accountability***

Flexibility

Sustainability

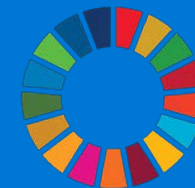


Areas of Action

1. Promoting a common understanding of OS
2. Developing an enabling policy environment for OS
3. Investing in OS infrastructures and services
4. Investing in capacity building for OS
5. Transforming scientific culture and aligning incentives for OS
6. Promoting innovative approaches for OS at different stages of the scientific process
7. Promoting international cooperation on OS



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Thank you for your inputs



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