



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

Science at the service of the SDGs



In the context of pressing planetary and socio-economic challenges, sustainable and innovative solutions require an **efficient, transparent and vibrant scientific community** not only stemming from scientists, but from the whole of **society**.

Democratize Science



Open Science embodies the movement to transform and **democratize the entire scientific process** to ensure that science truly drives and enables the achievement of the United Nations Sustainable Development Goals **for the benefits of all.**

Open Science to Society



Open Science allows scientific information, data and outputs to be more widely accessible (**Open Access**) and more reliably harnessed (**Open Data**) with the active engagement of all the stakeholders (**Open to Society**).

Bridging the scientific gap



By making science more connected to societal needs and by promoting equal opportunities for all (scientists, policy-makers and citizens), Open Science can be a true game changer in **bridging the science, technology and innovation gaps** between and within countries and fulfilling the **human right to science**.

How can everyone benefit from Open Science?

A **movement** has emerged from the scientific world, rapidly spreading across nations and **calling for the opening of the gates of knowledge**. Investors, entrepreneurs, policy makers and citizens are joining this call.

The question is no longer whether Open Science is happening, but rather how everyone can contribute and benefit from the transition.



A global understanding is needed

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



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.



Inclusive UNESCO Recommendation

With the aim of building a global consensus on Open Science, the development of the **UNESCO Recommendation on Open Science** will rely on an inclusive, transparent and consultative process involving all countries and all stakeholders.



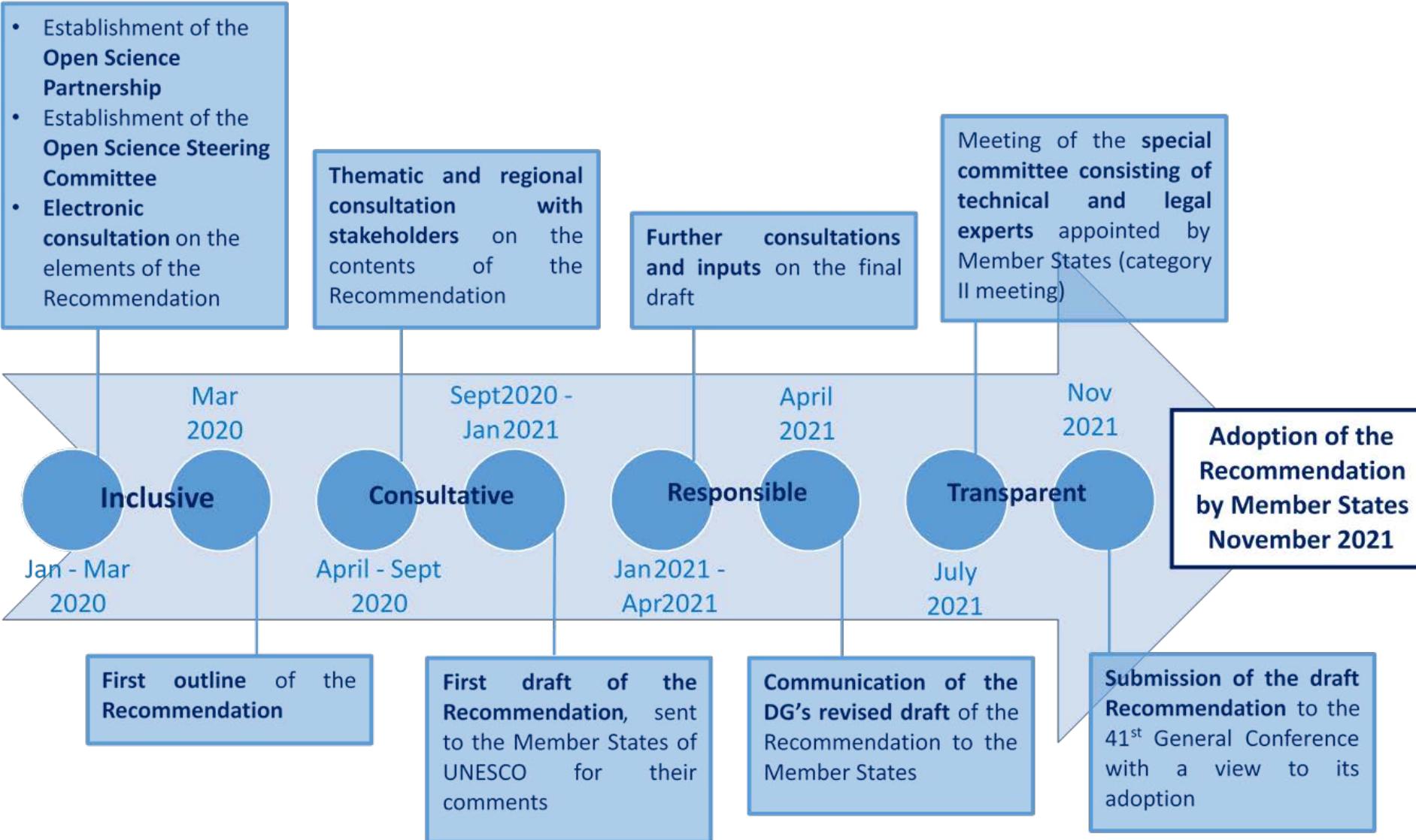
The Recommendation is expected to define **shared values and principles for Open Science**, and point to concrete measures on Open Access and Open Data with **proposals for action** to bring citizens closer to science, and commitments for a better distribution and production of science in the world.

During **two years of consultations**, UNESCO will support and open debate on Open Science **awareness, understanding and policy development**, leading to the adoption of the Recommendation by UNESCO Member States in 2021.

Guided by a multi-stakeholder **Open Science Advisory Committee**, the process will be supported by a global comprehensive **Open Science Partnership** and will lead to the development of a vibrant **Open Science community of practice** across the world.



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
July 2020	Online Europe and NA consultation in collaboration with ICTP, ESOF and the Venice Office
16 September 2020	Online Arab regional consultation in collaboration with UNESCO Cairo Office
23 September 2020	Online LAC regional consultation in collaboration with Montevideo Office and CILAC
15 September 2020	Online Asia and Pacific regional consultation in collaboration with Jakarta Office
30 September 2020	Online Eastern Europe regional consultation in collaboration with Venice and Almaty Offices
5 October 2020	Online Africa regional consultation in collaboration with Regional Offices.

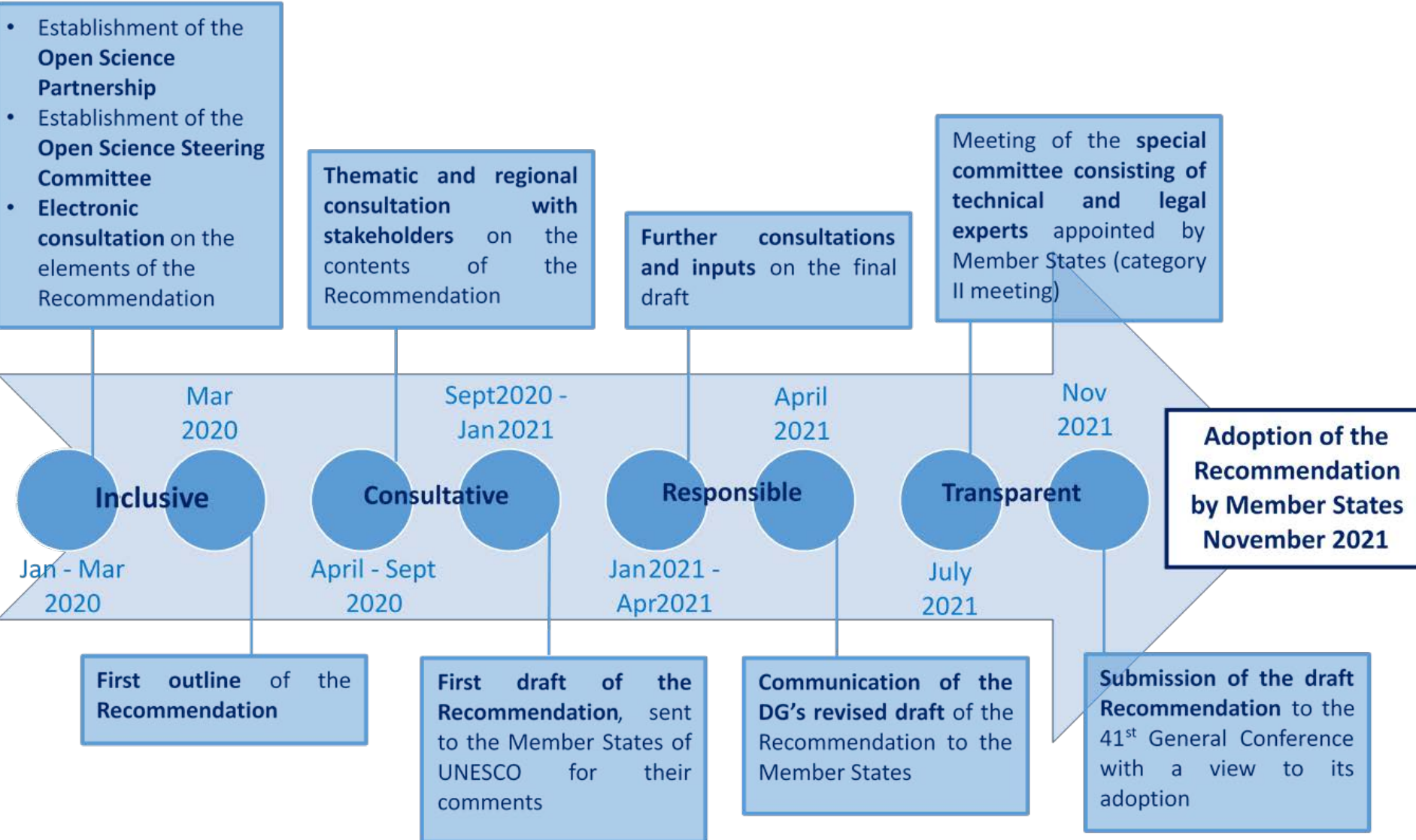


Thematic/stakeholders: May – September 2020

- GYA
- Citizen science
- Indigenous peoples
- UN system
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National Consultations: May – September 2020

Drafting and Finalizing the Recommendation on Open Science



Join the Open Science Partnership! Join the debate!



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