



Convention on Biological Diversity

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Ad Hoc Technical Expert Group on Indicators for the Kunming-Montreal Global Biodiversity Framework Third meeting Montreal, Canada, 3–6 October 2023

Annotated provisional agenda

1. By its decision [15/4](#), the Conference of the Parties to the Convention on Biological Diversity adopted the Kunming-Montreal Global Biodiversity Framework. By its decision [15/5](#), it adopted a monitoring framework for the Kunming-Montreal Global Biodiversity Framework. The monitoring framework is composed of:

(a) *Headline indicators*. These indicators represent a minimum set of high-level indicators that capture the overall scope of the goals and targets of the Kunming-Montreal Global Biodiversity Framework and are to be used for planning and monitoring progress, in compliance with decision [15/6](#). They are nationally, regionally and globally relevant indicators validated by Parties and can also be used for communication purposes;

(b) *Global-level indicators*. These indicators will be collated from “yes/no” responses to binary questions to be included in the national reporting template. They will provide a count of the number of countries that have undertaken specified activities;

(c) *Component indicators*. These indicators are optional indicators which, together with the headline indicators, will cover all components of the goals and targets of the Framework. They may be applicable at the global, regional, national and subnational levels;

(d) *Complementary indicators*. These indicators are optional indicators for a thematic or in-depth analysis of each goal and target. They may be applicable at the global, regional, national and subnational levels;

2. The Conference of the Parties recognized in the monitoring framework that all goals and targets of the Framework would be monitored through headline and/or binary indicators complemented by component and complimentary indicators. However, some of the headline indicators that have been identified are not yet operational, and additional efforts are required to develop them so that they can be used by Parties.

3. In order to operationalize the monitoring framework, the Conference of the Parties established an ad hoc technical expert group on indicators for the Kunming-Montreal Global Biodiversity Framework in decision [15/5](#). The terms of reference for the Expert Group are contained in annex II to the decision. The Group has four main tasks:

(a) To provide technical advice on remaining and unresolved issues relating to the monitoring framework, as outlined by the Conference of the Parties at its fifteenth meeting, and to prioritize work on the following elements leading up to the sixteenth meeting of the Conference of the Parties:

- (i) Support the work to address critical gaps to improve the monitoring framework, in particular on headline indicators that do not have an existing methodology, and advise on their implementation at the national level. Attention should be paid to fill gaps under Goals B, C and D and Targets 2, 13 and 14 to 22, given the imbalance in available headline indicators and their interlinkages across goals and targets of the Framework;
 - (ii) Support the identification of important aspects related to disaggregation and aggregation for each headline indicator, as applicable, including any methodological improvements, as appropriate;
 - (iii) Identify gaps in terms of the operationalization of each headline indicator and the management of data flows, and advise on implementation at the national level;
 - (iv) Keep the list of binary, component and complementary indicators under review;
 - (v) Advise on the wording of questions to construct binary indicators to be used in national reports, building upon the table in annex II to decision 15/5;
- (b) To provide guidance to Parties on the use of indicators in national planning and reporting, including by reviewing how indicators are proposed for capture in the Online Reporting Tool for national reporting;
- (c) To provide guidance to Parties on ways to fill temporal and spatial data gaps, including through the use of big data, citizen science, community-based monitoring and information systems, remote sensing, modelling and statistical analysis, and other forms of data and other knowledge systems, recognizing the specific challenges faced by developing country Parties to develop and access information tools;
- (d) To provide advice on the existing capacity, gaps and needs in terms of capacity development, technology transfer and financing needs related to the monitoring of the Framework.

Item 1

Opening of the meeting

4. The meeting will be opened at 9.30 a.m. on 3 October 2023. Statements will be made by the Co-Chairs of the Expert Group, the Chair of the Subsidiary Body on Scientific, Technical and Technological Advice and the Acting Executive Secretary of the Convention on Biological Diversity.

Item 2

Organizational matters

5. The Secretariat will provide an update on logistical matters related to the organization of the meeting.

Adoption of the agenda and organization of work

6. The provisional agenda¹ has been prepared by the Secretariat in consultation with the Co-Chairs of the Expert Group. Participants will be invited to consider the provisional agenda for adoption and to approve the proposed organization of work (annex I).

Item 3

Stocktake of progress to date

7. Each of the subgroups established by the Expert Group will be invited to provide an update on their progress to date.² The Expert Group will discuss the implications of these updates for its work.

¹ CBD/IND/AHTEG/2023/3/1.

² CBD/IND/AHTEG/2023/2/2.

Item 4

Discussion on headline indicators and issues arising from the indicator subgroups

8. The Expert Group will be invited to consider the outstanding issues for each headline indicator in breakout groups.³

Item 5

Discussion on the further use of the online discussion forum on the monitoring framework for the Kunming-Montreal Global Biodiversity Framework

9. Based on the discussions under item 4, the Expert Group will be invited to consider implications for the further use of the line discussion forum for the monitoring framework for the Kunming-Montreal Global Biodiversity Framework.

Item 6

Discussion on the online reporting tool for the national reports under the Convention

10. Based on the discussions under item 4, the Expert Group will be invited to consider implications for the online reporting tool for the national reports under the Convention.

Item 7

Next steps

11. The Expert Group will be invited to consider and agree on the next steps in its work.

Item 8

Other matters

12. The Expert Group will review the work done during its first three meetings and identify issues and results expected to be achieved virtually before the next in-person meeting.

Item 9

Adoption of the report

13. The Expert Group will be invited to adopt the report of the meeting. In accordance with established practice, it will also be invited to authorize the Co-Chairs to finalize the report after the meeting, with the assistance of the Secretariat.

Item 10

Closure of the meeting

14. The meeting is expected to close at 6 p.m. on 6 October 2023.

³ The list of headline indicators and their current status is available in annex II.

Annex

Proposed organization of work

3 October 2023	
8.30–9.30 a.m.	Registration
9.30–10.30 a.m.	<p>Item 1. Opening of meeting</p> <ul style="list-style-type: none"> - General welcomes and housekeeping <p>Item 2. Organizational matters</p> <ul style="list-style-type: none"> - Adoption of the agenda - Reminder of the overall workplan, current state in the process and what needs to be done - Overview of the organization of work
10.30–11.10 a.m.	<p>Item 3. Stocktake of progress to date</p> <p>Overview of progress:</p> <ul style="list-style-type: none"> - Presentations by subgroups 1⁴ and 3⁵ (15 minutes each) - High-level discussion on possible key issues that the Expert Group needs to address and reflections on how to improve the working methodology within the groups
11.10–11.30 a.m.	Coffee break
11.30 a.m.–12.30 p.m.	<p>Item 3 (continued)</p> <p>Overview of progress:</p> <ul style="list-style-type: none"> - Presentations by subgroups 2,⁶ 4⁷ and 5⁸
12.30–1 p.m.	- Discussion of key issues arising as a result of the overview
1–2 p.m.	Lunch
2–4 p.m.	<p>Item 3 (continued)</p> <p>Review of issues around the disaggregation of the indicators: In the light of the mandate of the Expert Group to “<i>Support the identification of important aspects related to disaggregation and aggregation for each headline indicator as applicable, including any methodological improvements as appropriate</i>”:</p> <ul style="list-style-type: none"> - Preparation of a first version of a table listing the possible disaggregations identified for each indicator. To do so, the answers to the following questions will be used:

⁴ Indicators A.1 Red List of Ecosystems, A.2 Extent of natural ecosystems, A.3 Red List Index, A.4 The proportion of populations within species with an effective population size > 500, and 5.1 Proportion of fish stocks within biologically sustainable levels.

⁵ Indicators C.1 Indicator on monetary benefits received, C.2 Indicator on non-monetary benefits, and 15.1 Number of companies reporting on disclosures of risks, dependencies and impacts on biodiversity.

⁶ Indicators B.1 Services provided by ecosystems, 9.1 Benefits from the sustainable use of wild species, 9.2 Percentage of the population in traditional occupations, 10.1 Proportion of agricultural area under productive and sustainable agriculture, and 10.2 Progress towards sustainable forest management.

⁷ Indicators 1.1 Percentage of land and sea area covered by biodiversity-inclusive spatial plans, 2.2 Area under restoration, 3.1 Coverage of protected areas and other effective area-based conservation measures and 12.1 Average share of the built-up area of cities that is green/blue space for public use for all.

⁸ Indicators 6.1 Rate of invasive alien species establishment, 7.1 Index of coastal eutrophication potential, 7.2 Pesticide environment concentration, 21.1 Indicator on biodiversity information for monitoring the Kunming-Montreal Global Biodiversity Framework.

	<ul style="list-style-type: none"> (a) What are possible thematic or subject area disaggregations for the indicators, and how can these be prepared? (b) Are gender perspectives reflected in the indicator and if so, how? (c) Are issues related to indigenous peoples and local communities reflected in the indicator and if so, how?
4–4.20 p.m.	Coffee Break
4.20–6 p.m.	<p>Item 3 (<i>continued</i>)</p> <p>Review of issues around gaps.</p> <p>In the light of the mandate of the Expert Group to “<i>Support the work to address critical gaps to improve the monitoring framework, in particular headline indicators that do not have an existing methodology</i>”:</p> <ul style="list-style-type: none"> - Review of the answers from the subgroups to the following questions: <ul style="list-style-type: none"> (a) Bearing in mind the terms of reference of the Expert Group and decision 15/5, what are the critical gaps on the coverage of this indicators in relation to the scope of the associated goals and targets (i.e. what major elements of the goals and targets are not addressed by this or other indicators? (b) What are the options for addressing these (e.g. by using component/complementary indicators, other headline or binary indicators, additional guidance to Parties in national reporting)?
4 October 2023	
9–9.30 a.m.	<p>Items 4, 5 and 6</p> <p>The Expert Group will meet in plenary session to agree on working groups and locations. It will then undertake its work in breakout sessions using a world café approach.</p> <ul style="list-style-type: none"> - Participants will split into three working groups and circulate around three sessions to review the individual indicators considered by subgroups 1, 2, and 4. One or two participants from each subgroup will provide continuity as groups rotate (volunteers to be identified) - For each indicator, a short overview (5 minutes) of what challenges remain (volunteers from the subgroup required), followed by a (virtual) post-it session (10 minutes) to get ideas to try to resolve problems identified and discussions (10-15 minutes)
9.30–11 a.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group A to consider indicators reviewed by subgroup 1 - Working group B to consider indicators reviewed by subgroup 2 - Working group C to consider indicators reviewed by subgroup 4
11–11.20 a.m.	Coffee break
11.20 a.m.–12.20 p.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group A to consider indicators reviewed by subgroup 1 - Working group B to consider indicators reviewed by subgroup 2 - Working group C to consider indicators reviewed by subgroup 4
12.25–1 p.m.	Items 4, 5 and 6 (<i>continued</i>)

	<p>World café session:</p> <ul style="list-style-type: none"> - Working group C to consider indicators reviewed by subgroup 1 - Working group A to consider indicators reviewed by subgroup 2 - Working group B to consider indicators reviewed by subgroup 4
1–2 p.m.	Lunch
2–4 p.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group C to consider indicators reviewed by subgroup 1 - Working group A to consider indicators reviewed by subgroup 2 - Working group B to consider indicators reviewed by subgroup 4
4–4.20 p.m.	Coffee break
4.20–6.10 p.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group B to consider indicators reviewed by subgroup 1 - Working group C to consider indicators reviewed by subgroup 2 - Working group A to consider indicators reviewed by subgroup 4
5 October 2023	
9–10 a.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group B to consider indicators reviewed by subgroup 1 - Working group C to consider indicators reviewed by subgroup 2 - Working group A to consider indicators reviewed by subgroup 4
10.10–11.10 a.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>Reset to two working groups to concentrate on indicators from subgroups 3 and 5</p> <ul style="list-style-type: none"> - Working group X to consider indicators reviewed by subgroup 3 - Working group Y to consider indicators reviewed by subgroup 5
11.10–11.30 a.m.	Coffee break
11.30 a.m.–1 p.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group X to consider indicators reviewed by subgroup 3 - Working group Y to consider indicators reviewed by subgroup 5
1–2 p.m.	Lunch
2–4 p.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>World café session:</p> <ul style="list-style-type: none"> - Working group Y to consider indicators reviewed by subgroup 3 - Working group X to consider indicators reviewed by subgroup 5
4–4.20 p.m.	Coffee break
4.20–6 p.m.	<p>Items 4, 5 and 6 (<i>continued</i>)</p> <p>Plenary session</p> <ul style="list-style-type: none"> - Review of key points coming out of the individual review of the indicators

6 October 2023	
9–11 a.m.	<p>Items 4, 5 and 6 (continued)</p> <ul style="list-style-type: none"> - Preparation of updated reviewed metadata for each indicator, with clear recommendations on the way forward for each indicator, in particular in the light of the mandate of the Expert Group to “<i>Identify gaps in terms of operationalization of each headline indicators, the management of data flows and advise on implementation at the national level</i>” <p>Session in original subgroups:</p> <ul style="list-style-type: none"> - Points raised during world café sessions will be considered and metadata will be reviewed and updated⁹
11–11.20 a.m.	Coffee break
11.20 a.m.–1 p.m.	<p>Items 4, 5 and 6 (continued)</p> <p>Session in original subgroups</p> <ul style="list-style-type: none"> - Points raised during world café sessions will be considered and metadata will be reviewed and updated
1–2 p.m.	Lunch
2–3 p.m.	<p>Items 4, 5 and 6 (continued)</p> <p>Plenary session:</p> <ul style="list-style-type: none"> - Demonstration of the online reporting tool
3–4 p.m.	<p>Items 4, 5 and 6 (continued)</p> <p>Plenary session:</p> <ul style="list-style-type: none"> - Review of issues around capacity-building and technology needs, following the mandate of the Expert Group: “<i>To provide advice on the existing capacity, gaps and needs in terms of capacity development, technology transfer and financing needs related to the monitoring of the global framework</i>”
4–4.20 p.m.	Coffee break
4.20–5.45 p.m.	<p>Item 7. Next steps</p> <ul style="list-style-type: none"> - Review of the work done and progress with respect to the mandate of the Group. - Identification of issues and results expected to be achieved virtually before the next meeting. - Discussion on next steps by working groups. - Consideration of the use of the online discussion forum. <p>Item 8. Other matters</p> <p>Item 9. Adoption of the report</p>
5.45–6 p.m.	Item 10. Closure of the meeting

⁹ To accommodate participants who wish to be in more than one group, the process can be organized so that particular indicators are discussed at a particular time.

Annex II

Status of headline indicators

<i>Headline indicators</i>	<i>Status^b</i>	<i>Indicator development within the scope of the Ad Hoc Technical Expert Group</i>
<p>A.1 Red List of Ecosystems A.2 Extent of natural ecosystems A.3 Red List Index A.4 The proportion of populations within species with an effective population size > 500</p>	<p>Indicators A.1 and A.3 are under development by the International Union for Conservation of Nature. Indicator A.3 is relatively advanced. Both indicators will need additional effort for roll-out at the national level. Indicator A.2 is linked to the System of Environmental-Economic Accounting framework for ecosystem accounting. There is a need for the Expert Group to further define “natural” and agree on a global data product that can be used for global analysis. Indicator A.4 is under development by the Group on Earth Observations Biodiversity Observation Network (GEO-BON). There is a proposed methodology; however, additional biodiversity observation data will be needed to improve the quality of this indicator over time.</p>	<p>Yes. The Expert Group should review methodologies and provide guidance on disaggregation.</p>
<p>B.1 Services provided by ecosystems^a</p>	<p>Indicator B.1 is linked to the System of Environmental-Economic Accounting framework. The Expert Group will need to agree on a list of ecosystem services that can be used in a global analysis and, in collaboration with the Committee of Experts on Environmental-Economic Accounting, on a global data product for this indicator.</p>	<p>Yes</p>
<p>C.1 Indicator on monetary benefits received^a C.2 Indicator on non-monetary benefits^a</p>	<p>Indicators C.1. and C.2 do not have an agreed methodology or an agreed expert group working on them. A background study on these indicators is envisioned as a starting point. Relevant information was previously made available at the third meeting of the Open-ended Working Group on the Post-2020 Global Biodiversity Framework.^c</p>	<p>Yes</p>
<p>D.1 International public funding, including official development assistance for conservation and sustainable use of biodiversity and ecosystems D.2 Domestic public funding on conservation and sustainable use of</p>	<p>Indicators D.1–3 are being assessed by the Technical Expert Group on Financial Reporting, with which the Ad Hoc Technical Expert Group may wish to share information. A background paper on indicator D3 will be produced as a starting point for the discussion by the Technical Expert Group on Financial Reporting.</p>	<p>Yes, but indicators D.1–3 will be considered by the Technical Expert Group on Financial Reporting first.</p>

<p>biodiversity and ecosystems D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems^a</p>		
<p>1.1 Percentage of land and sea area covered by biodiversity-inclusive spatial plans^a</p>	<p>Indicator 1.1 does not currently exist. The Expert Group may wish to make recommendations on how to move forward with this indicator.</p>	<p>Yes</p>
<p>2.2 Area under restoration^a</p>	<p>Work is being conducted under the umbrella of the United Nations Decade on Ecosystem Restoration to develop indicator 2.2, through the Task Force on Monitoring and the Working Group on Target 2, both led by the Food and Agriculture Organization of the United Nations (FAO). The Expert Group may wish to work on this indicator with the Task Force on Monitoring within the context of the United Nations Decade on Ecosystem Restoration Decade.</p>	<p>Yes</p>
<p>3.1 Coverage of protected areas and other effective area-based conservation measures</p>	<p>Indicator 3.1 exists; however, the Expert Group may wish to consider specific disaggregation.</p>	<p>Yes. The Expert Group should provide guidance on disaggregation.</p>
<p>5.1 Proportion of fish stocks within biologically sustainable levels</p>	<p>Indicator 5.1 is a Sustainable Development Goal indicator under FAO custodianship.</p>	<p>No. Indicator 5.1 is addressed through the Sustainable Development Goal process.</p>
<p>6.1 Rate of invasive alien species establishment</p>	<p>Work is being conducted by GEO-BON to develop invasive alien species indicators. The Expert Group may therefore wish to work with GEO-BON on indicator 6.1.</p>	<p>Yes. The Expert Group should review methodologies and provide guidance on disaggregation.</p>
<p>7.1 Index of coastal eutrophication potential 7.2 Pesticide environment concentration^a</p>	<p>Indicator 7.1 is an indicator on nitrogen and phosphate exports through waterways. This is a Sustainable Development Goal indicator developed by UNEP and members of the International Nitrogen Management System initiative. Indicator 7.2 does not exist. A few possibilities for measuring risk are mentioned in the metadata. The Expert Group should consider the possible formulation of this indicator.</p>	<p>Yes for indicator 7.2, but indicator 7.1 is addressed through the Sustainable Development Goal process.</p>

<p>9.1 Benefits from the sustainable use of wild species^a 9.2 Percentage of the population in traditional occupations^a</p>	<p>In the metadata, indicator 9.1 is described as a disaggregation of indicator B.1. Indicator 9.2 is listed as an indicator falling under the scope of the Ad Hoc Open-ended Intersessional Working Group on Article 8(j) and Related Provisions. A consultation on this indicator has been initiated in that context, and a paper will be produced for the Working Group on Article 8(j) and use by the Expert Group.</p>	<p>Yes for indicator 9.1, but indicator 9.2 will be first considered by the Working Group on Article 8(j).</p>
<p>10.1 Proportion of agricultural area under productive and sustainable agriculture 10.2 Progress towards sustainable forest management</p>	<p>These are Sustainable Development Goal indicators under FAO custodianship, and work on them is being conducted under the process specific to those Goals.</p>	<p>No. Indicators 10.1 and 10.2 are addressed through the Sustainable Development Goal process.</p>
<p>12.1 Average share of the built-up area of cities that is green/blue space for public use for all</p>	<p>These are Sustainable Development Goal indicators, and work on them is being conducted under the process specific to those Goals.</p>	<p>No. Indicator 12.1 is addressed through the Sustainable Development Goal process.</p>
<p>15.1 Number of companies reporting on disclosures of risks, dependencies and impacts on biodiversity^a</p>	<p>Indicator 15.1 relates to Sustainable Development Goal indicator 12.6.1 on corporate sustainability reporting and to the work of the Task Force on Nature-related Financial Disclosures; however, this indicator requires development.</p>	<p>Yes</p>
<p>18.1 Positive incentives in place to promote biodiversity conservation and sustainable use 18.2 Value of subsidies and other incentives harmful to biodiversity that have been eliminated, phased out or reformed</p>	<p>Indicators 18.1 and 18.2 will be part of the work of the Technical Expert Group on Financial Reporting.</p>	<p>Yes, but indicators 18.1 and 18.2 will be considered by the Technical Expert Group on Financial Reporting first.</p>
<p>21.1 Indicator on biodiversity information for the monitoring the Kunming-Montreal Global Biodiversity Framework</p>	<p>While it is not indicated in decision 15.5, indicator 21.1 does not yet exist. The metadata provide some ideas, suggested by GEO-BON, on a possible approach for measuring this indicator.</p>	<p>Yes</p>