**Review Comment Template for the document on indicators for the draft goals and targets of the post-2020 global biodiversity framework**

Parties and stakeholders are invited to make suggestions of indicators (currently available or under development) that may be used to measure progress towards the post-2020 framework. The draft components and elements of the monitoring framework for the post-2020 global biodiversity framework are based on updated draft goals and targets, as was requested by the second meeting of the OEWG, and presented in document <https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf>.

Please note: there are two tables in this document, one for suggestions for indicators for the draft monitoring elements of goals, and another table for indicators for the draft monitoring elements of targets

**Instructions for providing input on indicators and completion of indicator tables (for goals and targets):**

* Please do not add columns to the tables below
* Please add rows for additional indicators related to monitoring elements for specific components from goals (table 1) and components from targets (table 2). The information of draft components and monitoring elements for goals and targets is available in document <https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf>
* To add an indicator for specific monitoring elements, please provide the following information:
  + Column 1: copy/paste the component of the goal (enter information in table 1) or target (enter information in table 2) from <https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf>, which the indicator can be used for. This MUST be provided
  + Column 2: copy/paste the specific monitoring element of the goal (enter information in table 1) or target (enter information in table 2), which the indicator can be used for from <https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf>. This MUST be provided
  + Column 3: the published or accepted name of the indicator. This MUST be provided
  + Column 4: the name of the organisation(s) responsible for producing the indicator and keeping it up to date. This MUST be provided
  + Column 5: please state whether the indicator is ready for use today (with an X) or if is still under development (Y). This MUST be provided
  + Column 6: if you are adding a new indicator that is still under development, please indicate the year that you expect it to be available
  + Column 7: for any existing indicator, please add the year of the last update
  + Column 8: please provide the time series for the indicator and frequency of update (e.g. 1990-2020, available every 5 years).
  + Column 9: please state (Y or N) whether there is a published methodology for application of the indicator at the national level
  + Column 10: please state (Y or N) whether any new or existing indicator can be disaggregated at the national level for use by Parties
  + Column 11: please state (Y or N) whether the indicator is aggregated from data that is collected at the national level (e.g. with data from national institutions)
  + Column 12: please state (Y or N) whether any indicator has been used in the 4th Edition of the Global Biodiversity Outlook (GBO-4).
  + Column 13: please state (Y or N) whether the indicator is currently included in the SDG indicator framework and provide the SDG indicator number
  + Column 14: please state whether an indicator is used for any Multi-Lateral Environmental Agreements other than the CBD (e.g. Ramsar Convention, CMS) or is used as an indicator by IPBES, by writing the abbreviated name of the MEA or process
  + Column 15: please enter any further information or relevant links
* Example entries have been provided in the tables below for goals and targets, please follow the same format for each indicator entry
* Inputs should be sent by e-mail to[*secretariat@cbd.int*](mailto:secretariat@cbd.int)no later than 25 July 2020

**For general comments please use the template provided in page 2 below**

**Table 1. Indicators for monitoring elements of the draft goals (with example entries)**

| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Components of the draft Goals**  **(copy/paste text from** [**CBD/SBSTTA-24/post-2020-monitoring.en.pdf**](https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf)**)** | **Goal Monitoring Elements**  **(copy/paste text from** [**CBD/SBSTTA-24/post-2020-monitoring.en.pdf**](https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf)**)** | **Indicator name** | **Responsible Institution for the indicator** | **Available today (X) or under active development (Y)** | **Date of availability for indicator in development (Year)** | **Year of last update (e.g. 2019)** | **Time series and frequency of updates (e.g. 1985-2019, annually)** | **Methodology available for national use (Y/N)** | **Global indicator can be disaggregated for national use (Y/N)** | **National data aggregated to form global indicator (Y/N)** | **Used in GBO-4 (Y/N)** | **SDG indicator (Y/N)** | **Indicator used to measure other MEAs or processes (e.g. Ramsar Convention, IPBES, CMS)** | **Comments** |
| *GA1. Increased extent of natural ecosystems (terrestrial, freshwater and marine ecosystems)* | *Trends in wetlands* | *Change in the extent of inland water ecosystems over time* |  |  |  |  |  |  |  |  |  |  |  | *Strongly support the inclusion of this indicator as per the consultation document.* |
| *GA2. Ecosystem integrity and connectivity (terrestrial, freshwater and marine ecosystems)* | *Trends in fragmentation and quality of inland wetlands* | *River Connectivity Status Index (CSI)* | *WWF & McGill University* | *Y* | *2021* | *2019* | *To be determined* | *Y* | *N* | *Y* | *N* | *N* | *Could be applied to CMS (to show river fragmentation effects on migratory species), Ramsar* | *Grill, G., Lehner, B., Thieme, M. et al. 2019. Mapping the world’s free-flowing rivers. Nature 569, 215–221). A baseline Connectivity Status Index was published in 2019. Work is now underway on a river connectivity metric using the CSI. This will be scalable (but not disaggregatable) for global, continental, national and river basin level analysis. A baseline, using this metric should be published in 2021 and might also be accompanied by reconstruction of historical baselines.* |
| *GA6. Protection of critical ecosystems* | *Trends in area of terrestrial and inland water areas conserve* | *Number and extent of Ramsar sites* | *Ramsar* | *X* | *To confirm with Ramsar* | *To confirm with Ramsar* | *To confirm with Ramsar* | *Y* | *Y* | *Y* |  | *N* | *Ramsar* |  |
| *GB1. Nature’s regulating contributions including climate regulation, disaster prevention and other* | *Trends in regulation of freshwater quantity, quality, location and timing* | *Level of water stress: freshwater withdrawal as a proportion of available freshwater resources* | *FAO* | *X* | *As per SDG update* | *As per SDG update* | *As per SDG update* | *Y* | *Y* | *Y* |  | *Y* | *SDG 6 indicator* |  |
| *GB1. Nature’s regulating contributions including climate regulation, disaster prevention and other* | *Trends in regulation of freshwater quantity, quality, location and timing* | *Proportion of bodies of water with good ambient water quality* | *UNEP* | *X* | *As per SDG update* | *As per SDG update* | *As per SDG update* | *Y* | *Y* | *Y* |  | *Y* | *SDG 6 indicator* |  |
| *GB2. Nature’s material contributions including food, water and others* | *Add a Monitoring element on “Trends in status of ecosystems providing globally important services for water security and health”* | *Level of water stress: freshwater withdrawal as a proportion of available freshwater resources* | *FAO* | *X* | *As per SDG Update* | *As per SDG update* | *As per SDG update* | *Y* | *Y* | *Y* |  | *Y* | *SDG 6 indicator* |  |
| *GB2. Nature’s material contributions including food, water and others* | *Add a Monitoring element on “Trends in status of ecosystems providing globally important services for water security and health”.* | *Sustainable watershed & inland fisheries index* | *FAO & USGS* | *Y* | *2022* |  | *Every two years (to align with the FAO SOFIA Reports)* | *Y* | *N* | *Y* | *N* | *N* | *IPBES, Ramsar, CMS* | *A new ‘sustainable watershed & inland fisheries index’ is being proposed for development. This will provide a measure of watershed health and, once developed, could be applied to measuring trends in status of ecosystems providing globally important services for water security. There is a non-binding agreement to cooperate on developing this index between FAO, USGS and several other partner organizations (e.g. Conservation International), to have a first version ready by 2022.* |

**Table 2. Indicators for monitoring elements of the draft targets (with example entries)**

| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
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| **Components of the draft Targets**  **(copy/paste text from** [**CBD/SBSTTA-24/post-2020-monitoring.en.pdf**](https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf)**)** | **Target Monitoring Elements**  **(copy/paste text from** [**CBD/SBSTTA-24/post-2020-monitoring.en.pdf**](https://www.cbd.int/sbstta/sbstta-24/post2020-monitoring-en.pdf)**)** | **Indicator name** | **Responsible Institution for the indicator** | **Available today (X) or under active development (Y)** | **Date of availability for indicator in development (Year)** | **Year of last update (e.g. 2019)** | **Time series and frequency of updates (e.g. 1985-2019, annually)** | **Methodology available for national use (Y/N)** | **Global indicator can be disaggregated for national use (Y/N)** | **National data aggregated to form global indicator (Y/N)** | **Used in GBO-4 (Y/N)** | **SDG indicator (Y/N)** | **Indicator used to measure other MEAs or processes (e.g. Ramsar Convention, IPBES, CMS)** | **Comments** |
| *T1.3 Priority retention of intact/ wilderness areas* | *Trends in extent of intact/natural wilderness* | *Free Flowing Rivers* | *WWF & McGill University* | *Y* | *2021* | *2019* | *To be determined* | *Y* | *N* | *N* | *N* | *N* | *Potential use for Ramsar, CMS, IPBES* | *Derived from the river Connectivity Status Index (CSI; Grill, G., Lehner, B., Thieme, M. et al. 2019. Mapping the world’s free-flowing rivers. Nature 569, 215–221). A baseline Free Flowing Rivers map was published in 2019.* |
| *T1.5. Maintenance and restoration of connectivity of natural ecosystems* | *Trends in habitat connectivity* | *River Connectivity Status Index (CSI)* | *WWF & McGill University* | *Y* | *2021* | *2019* | *To be determined* | *Y* | *N* | *Y* | *N* | *N* | *Could be applied to CMS (to show river fragmentation effects on migratory species), Ramsar* | *Grill, G., Lehner, B., Thieme, M. et al. 2019. Mapping the world’s free-flowing rivers. Nature 569, 215–221). A baseline Connectivity Status Index was published in 2019. Work is now underway on a river connectivity metric using the CSI. This will be scalable for global, continental, national and river basin level analysis. A baseline, using this metric should be published in 2021 and might also be accompanied by reconstruction of historical baselines.* |
| *T2.4. Effective management and equitable governance of the system of protected areas and other effective area based conservation measures* | *Trends in management effectiveness* | *Ramsar Management Effectiveness Tracking Tool (rMETT)* | *Ramsar* | *Y* | *?* | *?* | *?* | *Y* | *N* | *?* | *N* | *N* |  | [*https://www.ramsar.org/sites/default/files/documents/library/cop12\_dr15\_management\_effectiveness\_e.pdf*](https://www.ramsar.org/sites/default/files/documents/library/cop12_dr15_management_effectiveness_e.pdf) |
| *T4.1. Harvest is legal, sustainable and safe for human health and biodiversity* | *Trends in proportion of biological resources harvested within the established harvest limits* | *Sustainable watershed & inland fisheries index* | *FAO & USGS* | *Y* | *2022* |  | *Every two years (to align with the FAO SOFIA Reports)* | *Y* | *N* | *Y* | *N* | *N* | *IPBES, Ramsar, CMS* | *A new ‘sustainable watershed & inland fisheries index’ is being proposed for development. This will incorporate a nationally-applied method for assessing the adoption of ecosystem-based management approaches for inland fisheries (see T8.1). The method could be applied nationally, or by river catchments, depending on spatial origin of fisheries data.* *The method, once developed, could be applied to assessing trends in proportion of inland fisheries resources harvested within established harvest limits. There is a non-binding agreement to cooperate on developing this index between FAO, USGS and several other partner organizations (e.g. Conservation International), to have a first version ready by 2022.* |
| *T4.1. Harvest is legal, sustainable and safe for human health and biodiversity* | *Trends in proportion of biological resources harvested though sustainable harvest practices* | *Sustainable watershed & inland fisheries index* | *FAO & USGS* | *Y* | *2022* |  | *Every two years (to align with the FAO SOFIA Reports)* | *Y* | *N* | *Y* | *N* | *N* | *IPBES, Ramsar, CMS* | *A new ‘sustainable watershed & inland fisheries index’ is being proposed for development (see T8.1). This will incorporate a nationally-applied method for assessing the adoption of ecosystem-based management approaches for inland fisheries. The method could be applied nationally, or by river catchments, depending on spatial origin of fisheries data.* *The method, once developed, could be applied to assessing trends in proportion of inland fisheries resources harvested through sustainable harvest practices. There is a non-binding agreement to cooperate on developing this index between FAO, USGS and several other partner organizations (e.g. Conservation International), to have a first version ready by 2022.* |
| *T8.1. Sustainable management of aquatic species of fauna and flora, including fisheries* | *Trends in fish stocks* | *Sustainable watershed & inland fisheries index* | *FAO & USGS* | *Y* | *2022* |  | *Every two years (to align with the FAO SOFIA Reports)* | *Y* | *N* | *Y* | *N* | *N* | *IPBES, Ramsar, CMS* | *A new ‘sustainable watershed & inland fisheries index’ is recommended for the T8.1 monitoring element ‘Trends in sustainable fisheries management’. The current indicator listed for that element, SDG Indicator 14.4.1, has only been applied to marine capture fisheries, and there are insufficient existing data to allow this indicator to be applied to inland waters fisheries. The recommended new ‘sustainable watershed and inland fisheries index’ will build upon a measure of watershed health and will incorporate a nationally-applied method for assessing the adoption of ecosystem-based management approaches for inland fisheries. The method could be applied nationally, or by river catchments, depending on spatial origin of fisheries data. The method, once developed, could be applied to assessing trends in inland fish stocks. There is a non-binding agreement to cooperate on developing this index between FAO, USGS and several other partner organizations (e.g. Conservation International), to have a first version ready by 2022.* |
| *T8.1. Sustainable management of aquatic species of fauna and flora, including fisheries* | *Trends in sustainable fisheries management* | *Sustainable watershed & inland fisheries index* | *FAO & USGS* | *Y* | *2022* |  | *Every two years (to align with the FAO SOFIA Reports)* | *Y* | *N* | *Y* | *N* | *N* | *IPBES, Ramsar, CMS* | *A new ‘sustainable watershed & inland fisheries index’ is recommended for the T8.1 monitoring element ‘Trends in sustainable fisheries management’. The current indicator listed for that element, SDG Indicator 14.4.1, has only been applied to marine capture fisheries, and there are insufficient existing data to allow this indicator to be applied to inland waters fisheries. The recommended new ‘sustainable watershed and inland fisheries index’ will build upon a measure of watershed health and will incorporate a nationally-applied method for assessing the adoption of ecosystem-based management approaches for inland fisheries. The method could be applied nationally, or by river catchments, depending on spatial origin of fisheries data. The method, once developed, could be applied to assessing trends in sustainable inland fisheries management. There is a non-binding agreement to cooperate on developing this index between FAO, USGS and several other partner organizations (e.g. Conservation International), to have a first version ready by 2022.* |
| *T10.3. Regulation of freshwater quantity, quality, location and timing* | *Trends in natural freshwater ecosystems proving good ambient water* | *Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (SDG 6.4.2.)* | *FAO* | *X* | *As per SDGs* | *As per SDG update* | *As per SDG update* | *Y* | *Y* | *Y* |  | *Y* | *SDG 6 indicator* |  |

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| **General Comments** | |
| **Page** | **Comment** |
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