**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 area of forest ecosystems* | *Forest area as a percentage of total land area* | *FAO* | *X* |  | *2020* | *1990-2015* | *Y* | *Y* | *N* | *N* | *Y*  *SDG indicator 15.1.1* |  |  |
| *GA4. Increase the number and health of common species* | *Trends in species abundance* | *Living Planet Index (LPI)* | *ZSL/WWF* | *X* |  | *2020* | *1970-2020, available every 2 years* | *Y* | *Y* | *N* | *Y* | *N* | *CMS, Ramsar, IPBES* |  |
| … |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| T5.1.  Identification,  control and management of  pathways for  introduction of  invasive alien  species | Trends in timely  identification of pathways for  introduction | Proportion of country reports  on number of  invasive alien species  introduction  events. | For plant pests, pest reports submitted by national and regional plant protection organizations to the IPPC Secretariat  IUCN Species  Survival  Commission  Invasive Species Specialist Group | X | 2020 | 2020 | Pest reports are submitted regularly, annual updates may be done. | Y | Y | Y |  | N | Y (IPPC) | Ref. IPPC text (Art. VIII.1a) and ISPM 17 on Pest reporting |
| Trends in development of control and  management measures for pathways for  introduction | Number of pathway standards developed | IPPC subsidiary bodies (Standards Committee and Implementation and Capacity Development Committee) | Y | 2023 | n/a | According to IPPC standard setting process, every 5 to 7 years | N | n/a | n/a |  | N | N | Ref. IPPC Strategic Framework 2020-2030 – development agenda on commodity and pathway standards |
| T5.2. Effective  detection,  identification,  prioritisation and  monitoring of  invasive alien  species | Trends and efficiency of detection of invasive alien species | Species Status Information Index, alien species  Proportion of country reports | MOL, Yale University, GBIF, sTWIST  For plant pests, pest reports submitted by national and regional plant protection organizations to the IPPC Secretariat | Y | 2020 | Annually | Pest reports are submitted regularly, annual updates may be done. | Y | Y | Y |  | N | Y (IPPC) | e.g. ISPM 6, ISPM 17, ISPM 26, diagnostic protocols  See general comment 2 |
| Trends in  identification  of invasive  alien  species | Proportion of countries developing lists of invasive alien species | tbd - currently sTWIST Project in collaboration with ISSG | Y | 2020/2021 |  |  |  |  |  |  | Y SDG indicator 15.8.1 |  | ISPM 19 on pest listing  “Status of knowledge” is not measurable as an indicator  See general comment 2 |
| Trends monitoring of invasive alien species | Species Status Information Index, alien species  Country reports | MOL, Yale University, GBIF, sTWIST  For plant pests, pest reports submitted by national and regional plant protection organizations to the IPPC Secretariat | Y | 2020 | Annually | Pest reports are submitted regularly, biannual updates may be done. | Y | Y | Y |  | N |  | e.g. ISPM 6, ISPM 17, ISPM 26, diagnostic protocols  See general comment 2 |
| T5.3. Establishment of measures for eradication, control and management of invasive alien species | Trends in invasive species eradication | Rate of invasive alien species vertebrate and invertebrate eradications. | IUCN ISSG | X | N/A | 2016 | 1870-2016 | Y | Y | Y |  | N |  | Additional information can be provided through relevant ISPMs like 4, 22 and 29 on pest free areas |
| Trends in establishing control measures | Proportion of countries adopting relevant national legislation for prevention and control of invasive alien species (IAS), encompassing “Trends in policy responses, legislation and management plans to control and prevent spread of invasive alien species” and “Proportion of countries adopting relevant national legislation and adequately resourcing the prevention or control of invasive alien species | IUCN ISSG | X | N/A | 2018 | 1967 – 2016 | Y | Y | Y |  | Y SDG indicator 15.8.1 |  |  |
| Trends in establishing management measures | Proportion of countries adopting national IAS management measures (e.g. contingency plans, eradication programmes) | RPPOs | Y |  | 2016 |  |  |  |  |  | Y SDG indicator 15.8.1 |  | There is a need to set up this indicator based on current national programmes |
| T5.4. Eliminated or reduced impacts of IAS | Trends in the impact of invasive alien species | Red List Index (impacts of invasive alien species) | IUCN & BirdLife International | X |  | 2020 | 1993 – 2020, annually | Y | Y | N | Y | N |  |  |
| Trends in spread of species impacts | tbd - currently sTWIST Project in collaboration with ISSG | Y | 2020/2021 |  |  |  |  |  |  | N |  |  |
| T5.5. Eradication, control or management of IAS in priority sites | Trends in elimination of AIS and their impacts in islands | To be determined |  |  |  |  |  |  |  |  |  |  |  |  |
| Trends in elimination of AIS and their impacts in protected areas and areas with other effective area-based conservation measures | Proportion of Key Biodiversity Areas threatened by IAS | KBA Partnership | Y |  |  |  | Y | Y | Y | N | N |  |  |
| Trends in elimination of AIS and their impacts in intact / wilderness areas | To be determined |  |  |  |  |  |  |  |  |  |  |  |  |

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| **General Comments** | |
| **Page** | **Comment** |
|  | In most cases, the indicators under the Target 5 are trends, almost duplicating the elements in the Monitoring column. We suggest rephrasing the indicators to make them more specific and measurable. |
|  | The IPPC Secretariat suggests making use of available mechanisms to gather information from countries, e.g. pest reports, relevant national legislation and implemention of International Standards for Phytosanitary Measures (ISPMs). |
|  | The IPPC Secretariat is a bit concerned that the data sets made available by the responsible institutions for target 5.2 are not sufficient to cover the broad range of invasive alien species, particularly those that are plant pests. For some of them, their scientific nature is not clear. It is suggested to use official data from member countries, which also ensure better sustainability (e.g. EPPO database). |
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