

Thirteenth session  
Geneva, 29-30 June 2017  
Palais des Nations  
Meeting room IX



## Joint Task Force on Environment Statistics and Indicators

### Revision of biodiversity indicators

#### Agenda Item 4

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## Revision of biodiversity indicators

#### What was agreed?

- A revision of the set of biodiversity indicators in the UNECE Guidelines is proposed. The revision should take into consideration better alignment with biodiversity related SDG indicators. The experts of the European Environment Agency (and their European Topic Centre on Biological Diversity) and IUCN should be involved in that revision.

#### What was done?

- Recommendations for revising the ECE set of environmental indicators: Energy and Biodiversity (ECE/CEP-CES/GE.1/2017/3).

## Revision of biodiversity indicators

- D1 Protected areas
- D2 Biosphere reserves and wetlands of international importance
- D3 Forests and other wooded land
- D4 Threatened and protected species
- D5 Trends in the number and distribution of selected species
- D6 Invasive alien species

## Revision of biodiversity indicators

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### Online Guidelines for the Application of Environmental Indicators

The Joint Task Force revised the Guidelines for the Application of Environmental Indicators in Eastern Europe, Caucasus, Central Asia and South-Eastern Europe. With this revision the online version of the Guidelines was created.

In the Online Guidelines each indicator is presented through three files: description of the indicator, table for the production of the indicator, and glossary of terms.

The latest update for each indicator is indicated with a relevant flag.

Indicator	Description	Production	Glossary of terms
A. Air pollution and ozone depletion			
A1. Emissions of pollutants into the atmospheric air (updated October 2014)	PDF ↗	XLS #	PDF ↗
A2. Ambient air quality in urban areas (updated October 2014)	PDF ↗	XLS #	PDF ↗
A3. Consumption of ozone-depleting substances (updated October 2014)	PDF ↗	XLS #	PDF ↗
B. Climate change			
B1. Air temperature (updated October 2014)	PDF ↗	XLS #	PDF ↗
B2. Atmospheric precipitation (updated October 2014)	PDF ↗	XLS #	PDF ↗
B3. Greenhouse gas emissions (updated October 2014)	PDF ↗	XLS #	PDF ↗
C. Water			
C1. Renewable freshwater resources (updated October 2014)	PDF ↗	XLS #	PDF ↗
C2. Freshwater abstraction (updated October 2014)	PDF ↗	XLS #	PDF ↗
C3. Total water use (updated October 2014)	PDF ↗	XLS #	PDF ↗
C4. Household water use per capita (updated October 2014)	PDF ↗	XLS #	PDF ↗
C5. Water supply industry and population connected to water supply industry (updated October 2014)	PDF ↗	XLS #	PDF ↗
C6. Connection of population to public water supply	Integrated into C5		
C7. Water losses (updated October 2014)	PDF ↗	XLS #	PDF ↗
C8. Reuse and recycling of freshwater (updated October 2014)	PDF ↗	XLS #	PDF ↗

## Revision of biodiversity indicators

### D1 Protected areas

Protected Area Coverage of species can be difficult to measure, as the species maps do not provide sufficient granularity to be certain that species can be located within specific Protected Areas. A more accurate measurement of the effectiveness of protected areas for conservation outcomes for indicator D1 would be of Protected Area Coverage of Key Biodiversity Areas. This is an accepted indicator of progress towards Aichi Target 11 and it will furthermore align D1 with the following SDG indicators:

- SDG indicator 14.5.1: Coverage of protected areas in relation to marine areas;
- SDG indicator 15.1.2: Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type;
- SDG indicator 15.4.1: Coverage by protected areas of important sites for mountain biodiversity.

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### D1 Protected areas

Recommendation: Secretariat updates the production table for D1 to be adopted by the Joint Task Force during its fourteenth session. It is further recommended that this update will take into account Protected Area Coverage of Key Biodiversity Areas.

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### D2 Biosphere reserves and wetlands of international importance

Recommendation: Secretariat develops a production table for D2 to be adopted by the Joint Task Force during its fourteenth session. This work will integrate any updates made for D1 in taking account of Protected Area Coverage of Key Biodiversity Areas. This will also ensure that D2 is better aligned with SDG indicators 14.5.1, 15.1.2, and 15.4.1.

The production table for D2 should take into account:

- Criteria for Identifying Wetlands of International Importance, as adopted by the parties to the Convention on Wetlands (Ramsar, Iran, 1971) and indicators listed in the 4th Strategic Plan 2016–2024 of the Convention;<sup>12</sup>
- UNESCO World Network of Biosphere Reserves (WNBR).

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### D3 Forests and other wooded land

Recommendation: Secretariat updates the production table for D3 to be adopted by the Joint Task Force during its fourteenth session.

Revisions would ensure that the production table for D2 is in line with:

- SDG indicator 15.1.1: Forest area as a proportion of total land area;
- SDG indicator 15.2.1: Progress towards sustainable forest management;
- Updated Pan-European indicators for Sustainable Forest Management that were endorsed by the ministers at the 7th Ministerial Conference on the Protection of Forests in Europe (FOREST EUROPE).

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### **D6 Invasive alien species**

Recommendation: Secretariat develops a production table for D6 to be adopted by the Joint Task Force during its fourteenth session.

The production table for D2 should take into account:

- SDG indicator 15.8.1: Proportion of countries adopting relevant national legislation and adequately resourcing the prevention or control of invasive alien species;
- European Environment Agencies indicator on invasive alien species in Europe;
- Convention on Biological Diversity indicator on trends in invasive alien species and links to target 9 of the convention.

**Thanks for your attention**