



CONVENTION ON BIOLOGICAL DIVERSITY

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CONFERENCE OF THE PARTIES TO THE CONVENTION ON BIOLOGICAL DIVERSITY

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Items 20 and 23 of the provisional agenda*

MONITORING IMPLEMENTATION OF THE CONVENTION AND ACHIEVEMENT OF THE 2010 TARGET: DELIVERY PLAN FOR INDICATORS, DATA AND ANALYSES

Note by the Executive Secretary

I. INTRODUCTION

1. In its tenth meeting, the Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) requested the Executive Secretary to develop an overall delivery plan for the indicators, data and analyses, taking into account the timetable for developing the Global Biodiversity Outlook, clarifying the arrangements and responsibilities for development and delivery of the indicators, setting out the roles of the Secretariat, the World Conservation Monitoring Centre of the United Nations Environment Programme (UNEP-WCMC), and other relevant international organizations, taking into account information provided through national reports, voluntary reports, indicators in use by Parties, other Governments and relevant organizations (Recommendation X/5, paragraph 12 (a)).

2. The present note has been prepared by the Executive Secretary to respond to this request. It builds on the summary of indicator status contained in annex I of SBSTTA Recommendation X/5 and subsequent discussions in preparation of a project document for submission to the Global Environment Facility on a 2010 Biodiversity Indicators Partnership, coordinated by the World Conservation Monitoring Centre of the United Nations Environment Programme (UNEP-WCMC).

* UNEP/CBD/COP/8/1.

II. DEVELOPMENT OF GLOBAL HEADLINE INDICATORS

3. In decision VII/30, the Conference of the Parties (COP) agreed on a set of indicators to be tested, identified or developed. The Conference of the Parties specified that as far as is feasible, the indicators should be identified or developed on the basis of existing data sets. Accordingly, the Conference of the Parties invited related conventions, assessment processes and relevant organizations to contribute reports and information that assist the monitoring of progress towards the 2010 targets.

4. To facilitate delivery of the indicators, the COP further invited the World Conservation Monitoring Centre of the United Nations Environment Programme (UNEP-WCMC) to support the Secretariat in facilitating the compilation of information necessary for reporting on achievement on the 2010 target.

5. While some indicators are implemented as part of the mandate of specific organizations and accordingly have ongoing data collection, analysis and communication delivery, other indicators are yet to be developed.

6. To enable relevant lead organizations to deliver these indicators, UNEP-WCMC, in collaboration with the Secretariat and other relevant organizations, is currently preparing a project document on a 2010 Biodiversity Indicators Partnership for submission to the Global Environment Facility through the Division of Global Environment Facility Coordination of UNEP (UNEP/DGEF).

7. The 2010 Biodiversity Indicators Partnership seeks in particular to:

(a) Improve the quality (data coverage, resolution, confidence) of the information that is used to inform the indicators in the 2010 framework;

(b) Build a partnership among collaborating organizations (i.e. organizations identified by SBSTTA recommendation X/5 to lead delivery of the indicators);

(c) Develop a data management system that ensures that the information is available and accessible for reporting in 2010 and beyond;

(d) Develop a strategy to communicate this information for various user groups and audiences;

(e) Contribute to capacity development on the application of the 2010 framework at national and regional levels and to indicator-based biodiversity monitoring.

8. The 2010 Biodiversity Indicators Partnership project, a 3-million dollar project over three years likely to start in the second half of 2006, is expected to leverage additional funding and important in-kind contributions and thereby enable significant improvements to individual indicators and their interpretation as a suite of complementary pieces of information.

9. The table in Annex I to this note provides the current status of potential measures to report on the headline indicators, including whether or not they are used in the second Global Biodiversity Outlook. Where possible, it also identifies the main sources of information and the organization most suitable to ensure the delivery of the indicator, while indicating the development needs for each potential measure.

10. On the basis of the draft project document on the 2010 Biodiversity Indicators Partnership, the table indicates the level of financial support expected to be allocated to each potential measure and the likelihood of the potential measure to provide meaningful trends information by 2010.

Annex I

SUMMARY STATUS AND PLAN OF INDICATOR DELIVERY

Headline Indicator	Potential Measures	Used in GBO-2	Main data source N = National reports O = Data collected/compiled by organization(s)	Improvements required on C = classification, D = data, M = methodology	Financial support anticipated for indicator delivery <u>1</u>	Likelihood of indicator to be available by 2010 <u>2</u>
Trends in extent of selected biomes, ecosystems, and habitats	Forests, and forest types (e.g. mangroves)	Yes	N/O (FAO on the basis of national submissions)	C	+	High
	Peatlands	No	O	C, D	+	High
	Coral reefs	Yes	O (GCRMN/Reefcheck)	D, M	+	High
	Croplands	No	O (FAO)	D, M	+	High
	(Natural) grasslands	No	O	D	+	Low
	Polar/ice	No	O		+	High
	Inland wetlands	No	O (Information from Ramsar)	C, D, M	+	High
	Tidal flats/estuaries	No	O (Information from Ramsar)	D, M	+	Low
	Seagrasses	No	O	D	+	Low
	Dry and sub-humid lands	No	O	C, D	+	Low
	Urban		O	M		High
Trends in abundance and distribution of selected species	Living Planet Index	Yes	O (WWF)	D, M	+	High

1 This relates to funding anticipated through donor support beyond the budgets expected to be allocated in accordance with the programmes and obligations of the contributing organizations. +++ = significant; ++ = moderate; + = limited

2 This assumes that the financial support anticipated for the delivery of the indicator is forthcoming in time

Headline Indicator	Potential Measures	Used in GBO-2	Main data source N = National reports O = Data collected/compiled by organization(s)	Improvements required on C = classification, D = data, M = methodology	Financial support anticipated for indicator delivery ¹	Likelihood of indicator to be available by 2010 ²
	Common Birds Index	Yes	O (Birdlife International and partners)	D	++	High
	Other species assemblage-trends indices: selected forest tree species	No	N/O (FAO on the basis of national submissions)	D, M	++	High
Coverage of protected areas	Coverage according to World List of Protected areas.	Yes	N/O (compiled through WCMC/WCPA, partly on the basis of national submissions)	D	+	High
	Ecological networks and corridors	No	O.	C, D, M		Low
	Overlays with areas of key importance to biodiversity	No	O (WCMC, WCPA, BirdLife International)	C	++	High
	Inclusion on community and private protected areas	No	O	C, D, M		Low
	Management effectiveness	No	O (WCPA)	D, M	++	High
Change in status of threatened species	Red List Index (IUCN-SSC)	Yes	O (Red List Consortium)	D	++	High

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Trends in genetic diversity of domesticated animals, cultivated plants, and fish species of major socioeconomic importance	<i>Ex situ</i> crop collections	No	O (FAO)	D, M	++	High
	Livestock genetic resources	No	O (FAO)	C,D, M	++	High
	Fish genetic resources	No	O (FAO)	D, M	++	High
	Tree genetic resources	No	O (FAO)	D, M	++	High
	Varieties on-farm	No	O (FAO, IPGRI, OECD)	D, M		High
Area of forest, agricultural and aquaculture ecosystems under sustainable management	Existing data sets for measuring sustainability of agriculture, aquaculture and forestry	No	O (FAO)	C, D, M	+++	High
Proportion of products derived from sustainable sources		No	O	C, D, M	+++	?
Ecological footprint and related concepts	Ecological footprint	Yes	O (Global Footprint Network, WWF)	M,D	+	High

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	Other measures of the area of land and sea needed to support production of goods and deliver services	No	O			Low
Nitrogen deposition		Yes	O (INI)	D	+	High
Trends in invasive alien species	Numbers and cost of alien invasive species	Yes / ³	O (GISP, IUCN-ISSG)	D,C,M	+++	High
	Other measures to be identified and developed	No	O			?
Marine Trophic Index		Yes	O (UBC)		+	High
Water quality of freshwater ecosystems	Indicator of biological oxygen demand (BOD), nitrates and sediments/ turbidity	Yes	N/O (UNEP-GEMS/Water Programme, partly on the basis of national submissions)	M	+	High
Trophic integrity of other ecosystems		No	O			Low
Connectivity / fragmentation of ecosystems	Patch size distribution of terrestrial habitats (forests and possibly other habitat types)	Yes / ⁴	O	D,M	++	High
	Fragmentation of river systems	Yes / ⁵	O	D	+	High

^{3/} Only trends data from one sub-region and no distinction between alien species and alien invasive species.

^{4/} No trends information available.

Headline Indicator	Potential Measures	Used in GBO-2	Main data source N = National reports O = Data collected/compiled by organization(s)	Improvements required on C = classification, D = data, M = methodology	Financial support anticipated for indicator delivery ¹	Likelihood of indicator to be available by 2010 ²
Incidence of human-induced ecosystem failure		No	O	C, D, M		Low
Health and well-being of communities who depend directly on local ecosystem goods and services		No	O	C, D, M	++	Low
Biodiversity for food and medicine		No	O (FAO)	D, M	+++	High
Status and trends of linguistic diversity and numbers of speakers of indigenous languages		No	N/O (UNESCO, partly on the basis of national submissions)	D, M	++	High
Other indicator of the status of indigenous and traditional knowledge		No	?			/ ₅
Indicator of access and benefit-sharing		No	?			/ ₆
Official development assistance provided in support of the Convention	Official development assistance as marked	Yes	N/O (OECD on the basis of national reports)	D, M		High

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Depends on the identification of relevant indicators.

Indicator of technology transfer		No	?			/6
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