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CONFERENCE OF THE PARTIES TO THE  
CONVENTION ON BIOLOGICAL DIVERSITY  
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Cancun, Mexico, 4-17 December 2016  
Agenda item 19

### DECISION ADOPTED BY THE CONFERENCE OF THE PARTIES TO THE CONVENTION ON BIOLOGICAL DIVERSITY

#### **XIII/28. Indicators for the Strategic Plan for Biodiversity 2011-2020 and the Aichi Biodiversity Targets**

*The Conference of the Parties,*

*Recalling* decision XI/3 and paragraph 20(b) of decision XII/1,

1. *Takes note* of the report of the Ad Hoc Technical Expert Group on Indicators for the Strategic Plan for Biodiversity 2011-2020, and *expresses* its thanks to the European Union and the Governments of Switzerland and the United Kingdom of Great Britain and Northern Ireland for their financial support;
2. *Welcomes* the updated list of indicators for the Strategic Plan for Biodiversity 2011-2020 contained in the annex to the present decision;
3. *Notes* that the list of global indicators provides a framework to be used, as appropriate, for assessing progress towards the Aichi Biodiversity Targets at the global level and by Parties, other Governments and international organizations;
4. *Encourages* Parties to ensure that the use of the indicators reflect all three objectives of the Convention on Biological Diversity in a balanced manner;
5. *Emphasizes* that the list of indicators provides a flexible framework for Parties to adapt, as appropriate, to their national priorities and circumstances, and *decides* that the list of indicators should be kept under review, enabling, inter alia, the future incorporation of other relevant indicators;
6. *Notes* that indicators may be used for a variety of purposes at the national, regional and global levels, including:
  - (a) Informing and supporting decision-making;
  - (b) Communicating with policymakers, indigenous peoples and local communities and stakeholders, including those unfamiliar with the Strategic Plan for Biodiversity 2011-2020;
  - (c) Mainstreaming the Aichi Biodiversity Targets within other international processes, including, in particular, the Sustainable Development Goals, by facilitating the integration of biodiversity in other processes through shared indicators or aggregated or disaggregated elements of indicators;

(d) Reporting by Parties;

(e) Enabling the Conference of the Parties and its subsidiary bodies to review progress in the implementation of the Strategic Plan for Biodiversity 2011-2020;

(f) Providing a knowledge base for developing future plans and targets under the Convention on Biological Diversity and other multilateral environmental agreements;

7. *Encourages* Parties:

(a) To use a variety of approaches, according to national circumstances, in assessing progress towards national implementation of the Strategic Plan for Biodiversity 2011-2020, including quantitative indicators, expert opinion, stakeholder consultation and case studies, clearly documented in order to record uncertainty, contradictory evidence and gaps in knowledge to enable comparable assessments to be undertaken;

(b) To consider the use of a small subset of indicators from the global list that are identified as being available today, easy to communicate, and for which national data are available, including proposed indicators for the Sustainable Development Goals where relevant;

8. *Invites* biodiversity-related conventions as well as intergovernmental organizations and non-governmental organizations to make use of the list of global indicators and to contribute to the further development of the indicators, inter alia, through the Biodiversity Indicators Partnership;

9. *Emphasizes* the advantages of aligning the indicators for the Strategic Plan for Biodiversity 2011-2020 and those of the Sustainable Development Goals and other relevant processes, to further support the achievement of the three objectives of the Convention, avoiding duplication of data sets and approaches, *notes* that shared indicators must be reviewed to determine the degree to which they are suitable for each use, and *stresses* the role of the Biodiversity Indicators Partnership in this regard;

10. *Notes* the report on National Indicators and Approaches to Monitor Progress towards the Aichi Biodiversity Targets;<sup>1</sup>

11. *Also notes* the potential role of the existing mechanism established by the Food and Agriculture Organization of the United Nations for reporting on the Code of Conduct for Responsible Fisheries in assessing progress towards Aichi Biodiversity Target 6, *welcomes* the report of the Expert Meeting on Improving Progress Reporting and Working Towards Implementation of Aichi Biodiversity Target 6<sup>2</sup> which includes a framework of actions and indicators to accelerate, monitor and report on progress towards the achievement of Aichi Biodiversity Target 6, *invites* Parties, other Governments, the Food and Agriculture Organization of the United Nations and regional fishery bodies to consider the results of this meeting, and *invites* the Food and Agriculture Organization of the United Nations, in collaboration with the Executive Secretary, to further develop this framework;

12. *Invites* the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services and, in particular, its Knowledge, Information and Data Task Force and its regional and global assessments to contribute to and make the best use of biodiversity indicators, including through the Biodiversity Indicators Partnership, for the regional and global assessments in order to maximize synergy, ensure relevance to policy and reduce the multiplicity of global indicators;

13. *Welcomes* the important contributions to indicator development by the members of the Biodiversity Indicators Partnership and other relevant organizations and processes, as well as initiatives on community-based monitoring and information systems, and *encourages* further collaboration and continued support for work on indicators, including in the preparation of the fifth edition of the *Global Biodiversity Outlook*;

14. *Notes* the need to urgently identify or develop indicators for those Aichi Biodiversity Targets which currently do not have identified indicators;

<sup>1</sup> [UNEP/CBD/SBSTTA/20/INF/34](#).

<sup>2</sup> [UNEP/CBD/SBSTTA/20/INF/27](#).

15. *Also notes* that many indicators rely on a small number of essential biodiversity variables and that further efforts are required to improve the monitoring of these variables;

16. *Invites* data holders and institutions to improve the accessibility of data and documentation, as appropriate, to further enhance data generation and to work in close collaboration with research, observation and indicator communities to fill gaps in data collection and provision, including through community-based monitoring efforts and citizen science;

17. *Recalls* recommendation XIX/2 of the Subsidiary Body on Scientific, Technical and Technological Advice, and *invites* those institutions that compile global indicators to promote the free and open access to underlying data and methodologies and to facilitate national disaggregation of underlying data, and methodologies, where appropriate, taking into account the voluntary guidance to improve the accessibility of biodiversity-related data and information;<sup>3</sup>

18. *Recalls* decision XI/3, and *reaffirms* the need to strengthen technical and institutional capacities and to mobilize adequate financial resources for the development and application of indicators and monitoring systems, especially for developing country Parties, in particular the least developed countries, small island developing States and countries with economies in transition.

#### *Annex*

### **GENERIC AND SPECIFIC INDICATORS FOR ASSESSING PROGRESS IN THE ATTAINMENT OF THE AICHI BIODIVERSITY TARGETS, INCLUDING AN ASSESSMENT OF THEIR MAIN CHARACTERISTICS**

The table below identifies a set of indicators for assessing progress in the attainment of the Aichi Biodiversity Targets. Both generic and specific indicators have been identified. The generic indicators identify types of issues that could be monitored while the specific indicators are those operational indicators that can be used to monitor changing trends in these issues. Only indicators which are currently available or are under active development have been included in the table. Further for each specific indicator that is currently available their alignment to the set of criteria identified by the Subsidiary Body on Scientific, Technical and Technological Advice in recommendation XIX/4 has been indicated. For those indicators which are under active development, this information will be completed once the indicator is operational at the global level. The criteria considered were: the availability of the indicator; its suitability for communication; possibility for aggregation or disaggregation of data used and its use in the third or fourth edition of the *Global Biodiversity Outlook*. The source of the indicator has also been indicated. Relevant indicators agreed by the United Nations system for the Sustainable Development Goals have been included in the table.<sup>4</sup>

In many cases the identified indicators are relevant to several Aichi Biodiversity Targets. However each indicator has only been included in the table once in order to limit the size of the table, with each indicator listed according to the Aichi Biodiversity Target to which it is most relevant. In some cases no specific indicator has been identified for the generic indicator. These represent gaps that need to be addressed.

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<sup>3</sup> [Decision XIII/31](#), annex.

<sup>4</sup> At its forty-seventh session, the United Nations Statistical Commission agreed, as a practical starting point, on a proposed global indicator framework for the goals and targets of the 2030 Agenda for Sustainable Development, subject to future technical refinement (see E/2016/24-E/CN.3/2016/34, chap. I, sect. B, decision 47/101).

Aichi Biodiversity Target	Generic Indicator	Specific Indicator	Available today (X) or under active development (Y)	Easy to communicate	Global indicator can be disaggregated to create national indicator or is aggregated from national data	National data are aggregated to form global indicator	Used in GBO3/ GBO4	SDG indicator	Source
Target 1 - By 2020, at the latest, people are aware of the values of biodiversity and the steps they can take to conserve and use it sustainably	Trends in awareness and attitudes to biodiversity	Biodiversity Barometer	X	X		X	X		UEBT
		Online interest in biodiversity (Google Trends)	X		X	X	X		Google trends
		WAZA global visitor survey	X						WAZA
	Trends in public engagement with biodiversity	<i>No specific indicators identified</i>							
Target 2 - By 2020, at the latest, biodiversity values have been integrated into national and local development and poverty reduction strategies and planning processes and are being incorporated into national accounting, as appropriate, and reporting systems	Trends in incorporation of measures of stock and flow of natural resources into national accounting	Number of countries implementing natural resource accounts, excluding energy, within the System of Environmental-Economic Accounting (SEEA)	X	X		X	X		UNSTATS, World Bank
	Trends in number of countries that have assessed values of biodiversity, in accordance with the Convention	Progress towards national targets established in accordance with Aichi Biodiversity Target 2 of the Strategic Plan for Biodiversity 2011-2020 (indicator for SDG target 15.9)						X	
	Trends in integration of biodiversity and ecosystem service values into sectoral and development policies	Number of countries that have integrated biodiversity in National Development Plans, poverty reduction strategies or other key development plans	X	X		X	X		Roe D. (2010)
Target 3 - By 2020, at the latest, incentives, including subsidies, harmful to biodiversity are eliminated, phased	Trends in the number and value of incentives, including subsidies, harmful to biodiversity,	Trends in potentially harmful elements of government support to agriculture (produced support estimates)	X	X	X	X			OECD
		Trends in potentially harmful elements of government support to fisheries	Y						OECD

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out or reformed in order to minimize or avoid negative impacts, and positive incentives for the conservation and sustainable use of biodiversity are developed and applied, consistent and in harmony with the Convention and other relevant international obligations, taking into account national socioeconomic condition	removed, reformed or phased out								
		Agricultural export subsidies (indicator for SDG target 2.b)						X	
	Trends in development and application of incentives that promote biodiversity conservation and sustainable use	Number of countries with national instruments on biodiversity-relevant taxes, charges and fees	Y						OECD
		Number of countries with national instruments on REDD plus schemes	X			X	X		UN-REDD programme
		Number of countries with national instruments on biodiversity relevant tradable permit schemes	Y						OECD
Target 4 - By 2020, at the latest, Governments, business and stakeholders at all levels have taken steps to achieve or have implemented plans for sustainable production and consumption and have kept the impacts of use of natural resources well within safe ecological limits	Trends in population and extinction risk of utilized species, including species in trade	Red List Index (impacts of utilization)	X	X	X		X		IUCN, BirdLife International and other Red List Partners
		Percentage of Category 1 nations in CITES	X			X	X		CITES
		Red List Index for species in trade	X	X	X				IUCN, BirdLife International and other Red List Partners
		Proportion of traded wildlife that was poached or illicitly trafficked (indicator for SDG target 15.7)						X	

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		Proportion of national exclusive economic zones managed using ecosystem-based approaches (indicator for SDG target 14.2)						X	
	Trends in use of natural resources and/or related concepts	Ecological footprint	X	X	X	X	X		Global Footprint Network
		Material footprint (MF) and MF per capita, per GDP (indicator for SDG targets 8.4 and 12.2)						X	
		Domestic material consumption (DMC) and DMC per capita, per GDP (indicator for SDG targets 8.4 and 12.2)						X	
		Number of countries with sustainable consumption and production (SCP) national action plans or SCP mainstreamed as a priority or target into national policies (indicator for SDG target 12.1)						X	
		Ecological limits assessed in terms of sustainable production and consumption	Human appropriation of net primary productivity	X		X	X	X	
	Human appropriation of fresh water (water footprint)		X			X	X		Joint Research Centre
	Change in water use efficiency over time (indicator for SDG target 6.4)							X	
	Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (indicator for SDG target 6.4)							X	
	Trends in biodiversity of cities	Number of cities applying and reporting on the Cities Biodiversity Index	Y						Secretariat of the Convention on Biological Diversity

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		Ratio of land consumption rate to population growth rate (indicator for SDG target 11.3)						X		
	Trends in extent to which biodiversity and ecosystem service values are incorporated into organizational accounting and reporting	<i>No specific indicators identified</i>								
Target 5 - By 2020, the rate of loss of all natural habitats, including forests, is at least halved and where feasible brought close to zero, and degradation and fragmentation is significantly reduced	Trends in extent of forest	Trends in tree cover	X	X	X				Hansen et al	
		Forest area as a percentage of total land area (indicator for SDG target 15.1)	X	X	X	X		X	FAO	
		Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type (indicator for SDG target 15.1)							X	
		Progress towards sustainable forest management (indicator for SDG target 15.2)							X	
	Trends in extent of natural habitats other than forest	Change in the extent of water-related ecosystems over time (indicator for SDG target 6.6)	X	X					X	UN Water
		Natural habitat extent (land area minus urban and agriculture)	X					X		Netherlands Environmental Assessment Agency (PBL)
		Wetland extent	X	X	X			X		WCMC

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	Trends in fragmentation of forest and other natural habitats	<i>No specific indicators identified</i>							
	Trends in degradation of forest and other natural habitats	Biodiversity Habitat Index	Y						GEO BON-CSIRO
		Proportion of land that is degraded over total land area (indicator for SDG target 15.3)	Y					X	UNCCD
	Trends in extinction risk and populations of habitat specialist species in each major habitat type	Red List index (forest specialists)	X	X	X				IUCN, BirdLife International and other Red List Partners
		Living Planet Index (forest specialists)	Y						WWF/ZSL
		Species Habitat Index	Y						GEO BON-Map of Life
Target 6 - By 2020 all fish and invertebrate stocks and aquatic plants are managed and harvested sustainably, legally and applying ecosystem based approaches, so that overfishing is avoided, recovery plans and measures are in place for all depleted species, fisheries have no	Trends in certified sustainable fisheries	MSC certified catch	X	X	X		X		Marine Stewardship Council
	Trends in proportion of depleted, target and bycatch species with recovery plans	Number of countries with regulations requiring recovery of depleted species	X	X			X		FAO
		Proportion of depleted stocks with rebuilding plans in place	Y						FAO
	Trends in population and extinction risk in target and bycatch species	Red List Index (harvested aquatic species)	Y						IUCN and other Red List Partners
		Number of countries with policies that make adequate provisions to minimize the impacts of fisheries on threatened species	X	X			X		FAO

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significant adverse impacts on threatened species and vulnerable ecosystems and the impacts of fisheries on stocks, species and ecosystems are within safe ecological limits		Proportion of fisheries with regular monitoring and reporting of impacts on threatened species	Y						FAO
		Proportion of threatened species for which mortality rate due to fisheries is decreasing	Y						FAO
		Number of countries with policies to secure that mortalities are accounted for and kept within safe biological limits	X	X		X			FAO
		Trends in population of non-target species affected by fisheries	Y						FAO
		Red List Index (impacts of fisheries)	X	X	X		X		IUCN, BirdLife International and other Red List Partners
		Living Planet Index (trends in target and bycatch species)	Y						WWF/ZSL
	Trends in fishing practices	Global effort in bottom trawling	X	X			X		University of British Columbia Institute for the Oceans and Fisheries
		Progress by countries in the degree of implementation of international instruments aiming to combat illegal, unreported and unregulated fishing (indicator for SDG target 14.6)						X	
		Amount (spatial extent, gear type, intensity) of fishing effort within vulnerable habitats	X			X			FAO
		Number of countries with ecosystem impact monitoring and/or assessment programmes	Y						FAO

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		Number of countries with legislation allowing for actions for the protection of vulnerable habitats (including VMEs), and addressing threats to ecosystem structure and function	X			X			FAO
		Coverage of fisheries with management measures to effectively manage bycatch and reduce discards	X			X			FAO
		Number and coverage of stocks with adaptive management systems / plans	X			X			FAO
	Trends in proportion of fish stocks outside safe biological limits	Proportion of fish stocks within biologically sustainable levels (indicator for SDG target 14.4)	X	X	X	X	X	X	FAO
	Trends in catch per unit effort	Estimated fisheries catch and fishing effort	X		X				University of British Columbia Institute for the Oceans and Fisheries
		Progress by countries in the degree of application of a legal/regulatory/policy/institutional framework which recognizes and protects access rights for small-scale fisheries (indicator for SDG target 14.b)						X	FAO
Target 7 - By 2020 areas under agriculture, aquaculture and forestry are managed sustainably, ensuring conservation of biodiversity	Trends in proportion of area of agriculture under sustainable practices	Areas of agricultural land under organic production	X	X	X		X		International Foundation for Organic Agriculture
		Areas of agricultural land under conservation agriculture	X		X	X	X		FAO
		Proportion of agricultural area under productive and sustainable agriculture (indicator for SDG target 2.4)	X					X	FAO

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	Trends in extinction risk and populations of agro-ecosystem associated species	Wild Bird Index for farmland birds / Living Planet Index (farmland specialists)	X	X	X	X	X		BirdLife International /EBCCC/ WWF/ZSL
	Trends in proportion of production of aquaculture under sustainable practices	<i>No specific indicators identified</i>							
	Trends in proportion of area of forest production under sustainable practices	Area of forest under sustainable management certification	X	X	X	X	X		FSC/PEFC
		Progress towards sustainable forest management (indicator for SDG target 15.2)	Y					X	FAO
		Wild Bird Index for specialist forest birds / Living Planet Index (forest specialists)	X	X	X	X	X		BirdLife International /EBCCC/ WWF/ZSL
Trends in extinction risk and populations of forest-specialist species in production forest	<i>No specific indicators identified</i>								
Target 8 - By 2020, pollution, including from excess nutrients, has been brought to levels that are not detrimental to ecosystem function and biodiversity	Trends in pollutants	Trends in emissions, NOX	X	X	X	X	X		International Nitrogen Initiative
		Trends in emissions, SOX	X	X	X	X			International Nitrogen Initiative
		Trends in emissions, POPs	X	X	X	X			Stockholm Convention
		Trends in mercury emissions	X						UNEP
		Trends in pesticide use	X	X	X	X	X		FAO

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		Index of Coastal Eutrophication (ICEP) and Floating Plastic debris Density (indicator for SDG target 14.1)						X	
		Mortality rate attributed to household and ambient air pollution (indicator for SDG target 3.9)						X	
		Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe WASH services) (indicator for SDG target 3.9)						X	
		Mortality rate attributed to unintentional poisoning (indicator for SDG target 3.9)						X	
	Trends in extinction risk and populations driven by pollution	Red List Index (impacts of pollution)	X	X	X		X		IUCN, BirdLife International and other Red List Partners
	Trends in ecosystems affected by pollution	Water Quality Index for Biodiversity	X				X		UNEP GEMS Water
	Trends in nutrient levels	Trends in nitrogen deposition	X	X	X				International Nitrogen Initiative
		Trends in loss of reactive nitrogen to the environment	X	X	X	X	X		International Nitrogen Initiative
		Trends in global surplus of nitrogen	X	X	X		X		The Netherlands Environmental Assessment Agency (PBL)

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		Proportion of bodies of water with good ambient water quality (indicator for SDG target 6.3)						X	
		Percentage of wastewater safely treated (indicator for SDG target 6.3)						X	
Target 9 - By 2020, invasive alien species and pathways are identified and prioritized, priority species are controlled or eradicated, and measures are in place to manage pathways to prevent their introduction and establishment	Trends in identification and prioritization of invasive alien species	<i>No specific indicators identified</i>							
	Trends in the distribution and populations of invasive alien species	<i>No specific indicators identified</i>							
	Trends in eradication of priority invasive alien species	Trends in invasive alien species vertebrate eradications	X						IUCN Invasive Species Specialist Group, Island Conservation
	Trends in extinction risk and populations driven by invasive alien species impacts	Red List Index (impacts of invasive alien species)	X	X	X		X		IUCN, BirdLife International and other Red List Partners
	Trends in impacts of invasive alien species on ecosystems	<i>No specific indicators identified</i>							

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	Trends in the numbers of invasive alien species introduction and establishment events	Trends in the numbers of invasive alien species introduction events	X	X	X	X	X		ISSG
	Trends in implementation of policy responses preventing the introduction and establishment of invasive alien species	Proportion of countries adopting relevant national legislation and adequately resourcing the prevention or control of invasive alien species (indicator for SDG target 15.8)	X			X	X	X	IUCN SSC Invasive Species Specialist Group, Monash University, BirdLife International, Concordia University
Target 10 - By 2015, the multiple anthropogenic pressures on coral reefs, and other vulnerable ecosystems impacted by climate change or ocean acidification are minimized, so as to maintain their integrity and functioning	Trends in extent and condition of coral reefs	Trends in proportion of live coral cover	X	X	X		X		Mumby et al
	Trends in extinction risk and populations of coral and coral-reef dependent species	Red List Index (reef-building coral species)	X	X	X		X		IUCN and other Red List Partners
	Trends in pressures on coral reefs	Average marine acidity (pH) measured at agreed suite of representative sampling stations (indicator for SDG target 14.3)						X	
	Trends in responses to reduce pressures on coral reefs	<i>No specific indicators identified</i>							

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	Trends in extent and condition of other vulnerable ecosystems impacted by climate change or ocean acidification	<i>No specific indicators identified</i>							
	Trends in species extinction risk and populations or condition of other vulnerable ecosystems impacted by climate change or ocean acidification	Climatic Impact Index for birds	X		X		X		BirdLife International /EBCC
		Red List Index (impacts of climate change)	Y						IUCN, BirdLife International and other Red List Partners
	Trends in pressures on other vulnerable ecosystems impacted by climate change or ocean acidification	<i>No specific indicators identified</i>							
	Trends in responses to reduce pressures on other vulnerable ecosystems impacted by climate change or ocean acidification	<i>No specific indicators identified</i>							
Target 11 - By 2020, at least 17 per cent of terrestrial and inland water, and 10 per cent of coastal and marine areas, especially areas	Trends in area of terrestrial and inland water areas conserved	Percentage of terrestrial and inland water areas covered by protected areas	X	X	X	X	X		UNEP-WCMC and IUCN
		Percentage of terrestrial and inland water areas and or marine and coastal areas covered by other effective area-based conservation measures							ICCA Consortium

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of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscapes and seascapes		Number and extent of important sites for biodiversity that are covered by other effective area-based conservation measures							ICCA Consortium	
		Trends in the appropriate recognition of other effective area-based conservation measures areas and appropriate support provided to them							ICCA Consortium	
	Trends in area of coastal and marine areas conserved	Percentage of marine and coastal areas covered by protected areas	X	X	X	X	X		UNEP-WCMC and IUCN	
	Trends in areas of particular importance for biodiversity conserved	Coverage of protected areas in relation to marine areas (indicator for SDG target 14.5)	X	X	X	X	X	X	UNEP-WCMC and IUCN	
	Trends in areas of particular importance for biodiversity conserved	Protected area coverage of Key Biodiversity Areas (including Important Bird and Biodiversity Areas, Alliance for Zero Extinction sites)	X	X	X	X	X		BirdLife International /IUCN/AZE	
	Trends in areas of particular importance for ecosystem services conserved	<i>No specific indicators identified</i>								
	Trends in ecological representativeness of areas conserved	Protected area coverage of terrestrial and marine ecoregions	X	X	X	X	X		UNEP-WCMC/ The Joint Research Centre of the European Commission	

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		Species Protection Index	Y						GEO BON-Map of Life
		Protected Area Representativeness Index	Y						GEO BON-CSIRO
	Trends in effectiveness and/or equitability of management of conserved areas	Protected area management effectiveness	X		X	X	X		WCMC
		The Wildlife Picture Index (disaggregated by protected area)	X	X					Tropical Ecology Assessment and Monitoring (TEAM) Network
	Trends in connectivity and integration of conserved areas	Protected Area Connectedness Index	Y						GEO BON-CSIRO
Target 12 - By 2020 the extinction of known threatened species has been prevented and their conservation status, particularly of those most in decline, has been improved and sustained	Trends in number of extinctions	Number of species extinctions	X	X	X		X		IUCN, BirdLife International and other Red List Partners
	Trends in extinctions prevented	Number of extinctions prevented by conservation action	Y						IUCN, BirdLife International and other Red List Partners
	Trends in extinction risk and populations of species	Red List Index (indicator for SDG target 15.5)	X	X	X		X	X	IUCN, BirdLife International

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									and other Red List Partners	
		Living Planet Index	X	X	X		X		WWF/ZSL	
		Species Protection Index for species in decline	Y						GEO BON-Map of Life	
		Local Biodiversity Intactness Index	X	X	X	X			GEO BON-Predicts	
		Wild Bird Index	X	X	X	X	X		BirdLife International /EBC	
		Wildlife Picture Index	X	X			X		Tropical Ecology Assessment and Monitoring (TEAM) Network	
Target 13 - By 2020, the genetic diversity of cultivated plants and farmed and domesticated animals and of wild relatives, including other socio-economically as well as culturally valuable species, is maintained, and strategies have	Trends in genetic diversity of cultivated plants	Number of plant and animal genetic resources for food and agriculture secured in either medium- or long-term conservation facilities (indicator for SDG target 2.5)						X	FAO	
		Number of plant genetic resource for food and agriculture surveyed/inventoried	Y						FAO	
		Percentage of plant genetic resources for food and agriculture threatened out of those surveyed/inventoried	Y							FAO
		Number of Standard Material Transfer Agreements, as communicated to the Governing Body of the International Treaty on Plant Genetic Resources for Food and Agriculture	Y							FAO

Aichi Biodiversity Target	Generic Indicator	Specific Indicator	Available today (X) or under active development (Y)	Easy to communicate	Global indicator can be disaggregated to create national indicator or is aggregated from national data	National data are aggregated to form global indicator	Used in GBO3/ GBO4	SDG indicator	Source	
been developed and implemented for minimizing genetic erosion and safeguarding their genetic diversity	Trends in genetic diversity of farmed and domesticated animals	Proportion of local breeds, classified as being at risk, not-at-risk or unknown level of risk of extinction (indicator for SDG target 2.5)	X	X	X	X	X	X	FAO	
	Trends in extinction risk and populations of wild relatives	Red List Index (wild relatives)	Y						IUCN, BirdLife International and other Red List Partners	
		Species Habitat Index (wild relatives)	Y						GEO BON-Map of Life	
	Trends in protected area coverage of wild relatives (to be resolved)	Species Protection Index (wild relatives)	Y						GEO BON-Map of Life	
	Trends in genetic diversity of socio-economically as well as culturally valuable species	<i>No specific indicators identified</i>								
	Trends in development and implementation of strategies for minimizing genetic erosion and safeguarding genetic diversity	Level of implementation of global plan of actions on genetic resources for food and agriculture	Y							Commission on Genetic Resources for Food and Agriculture (FAO)
Target 14 - By 2020, ecosystems that	Trends in safeguarded	<i>No specific indicators identified</i>								

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provide essential services, including services related to water, and contribute to health, livelihoods and well-being, are restored and safeguarded, taking into account the needs of women, indigenous and local communities, and the poor and vulnerable	ecosystems that provide essential services								
	Trends in extinction risk and populations of species that provide essential services	Red List Index (species used for food and medicine; pollinating species)	X	X			X		IUCN/ BirdLife International
		Living Planet Index (utilized species)	X	X	X		X		WWF/ZSL
		Species Habitat Index (species that provide essential services)	Y						GEO BON- Map of Life
	Trends in benefits from ecosystem services	Better Life Index	X						OECD
		Mountain Green Cover Index (indicator for SDG target 15.4)	Y					X	FAO
		Coverage by protected areas of important sites for mountain biodiversity (indicator for SDG target 15.4)						X	
		Ocean Health Index	X	X	X	X	X		Ocean Health Index
	Trends in restoration of ecosystems that provide essential services	<i>No specific indicators identified</i>							
	Trends in the degree to which ecosystem services provides for the needs of women, indigenous and local communities, and the poor and vulnerable	Prevalence of moderate or severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES)	X					X	FAO
		Percentage of population using safely managed drinking water services (indicator for SDG target 6.1)	X	X	X	X	X	X	WHO/ UNICEF

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Target 15 - By 2020, ecosystem resilience and the contribution of biodiversity to carbon stocks has been enhanced, through conservation and restoration, including restoration of at least 15 per cent of degraded ecosystems, thereby contributing to climate change mitigation and adaptation and to combating desertification	Trends in ecosystem resilience	<i>No specific indicators identified</i>							
	Trends in carbon stocks within ecosystems	Trends in forest carbon stocks	Y						FAO/GFW
		Global Ecosystem Restoration Index	Y						GEO BON-iDiv
Target 16 - By 2015, the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization is in force and operational, consistent with national legislation	Trends in the implementation of the Nagoya Protocol	Number of Parties to the CBD that have deposited the instrument of ratification, acceptance, approval or accession of the Nagoya Protocol	X			X	X		Secretariat of the Convention on Biological Diversity
		Number of countries that have adopted legislative, administrative and policy frameworks for the implementation of the Nagoya Protocol (SDG indicator 15.6)						X	Secretariat of the Convention on Biological Diversity
Target 17 - By 2015 each Party has developed, adopted as a policy instrument, and	Trends in development, adoption and implementation of	Number of countries with developed or revised NBSAPs	X	X		X	X		Secretariat of the Convention on

Aichi Biodiversity Target	Generic Indicator	Specific Indicator	Available today (X) or under active development (Y)	Easy to communicate	Global indicator can be disaggregated to create national indicator or is aggregated from national data	National data are aggregated to form global indicator	Used in GBO3/ GBO4	SDG indicator	Source
has commenced implementing an effective, participatory and updated national biodiversity strategy and action plan	national biodiversity strategies and action plans, as policy instruments								Biological Diversity
		Number of countries with NBSAPs adopted as policy instruments	Y						Secretariat of the Convention on Biological Diversity
Target 18 - By 2020, the traditional knowledge, innovations and practices of indigenous and local communities relevant for the conservation and sustainable use of biodiversity, and their customary use of biological resources, are respected, subject to national legislation and relevant	Trends in land-use change and land tenure in the traditional territories of indigenous and local communities (decision X/43)	(a) Proportion of total agricultural population with ownership or secure rights over agricultural land, by sex; and (b) share of women among owners or rights-bearers of agricultural land, by type of tenure (indicator for SDG target 5.a)						X	
		Proportion of total adult population with secure tenure rights to land, with legally recognized documentation and who perceive their rights to land as secure, by sex and by type of tenure (indicator for SDG target 1.4)						X	
	Trends in the practice of traditional occupations (decision X/43)	<i>No specific indicators identified</i>							

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international obligations, and fully integrated and reflected in the implementation of the Convention with the full and effective participation of indigenous and local communities, at all relevant levels	Trends in which traditional knowledge and practices are respected through their full integration, safeguards and the full and effective participation of indigenous and local communities in the national implementation of the Strategic Plan	Number of local community-based monitoring on traditional knowledge, innovations and practices of indigenous and local communities relevant for the conservation and sustainable use of biodiversity	X	X					Satoyama Initiative
	Trends of linguistic diversity and numbers of speakers of indigenous languages (decision VII/30 and VIII/15)	Index of Linguistic Diversity	X		X	X	X		Terralingua
Target 19 - By 2020, knowledge, the science base and technologies relating to biodiversity, its values, functioning, status and trends, and the consequences of its loss, are improved, widely shared and transferred, and applied	Number of maintained species inventories being used to implement the Convention	Species represented in the barcode of life data system	X				X		Barcode of Life Data Systems
		Growth in species occurrence records accessible through GBIF	X	X	X	X	X		GBIF
		Species Status Information Index	Y						GEO BON-Map of Life
		Proportion of known species assessed through the IUCN Red List	X		X				IUCN

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<p>Target 20 - By 2020, at the latest, the mobilization of financial resources for effectively implementing the Strategic Plan for Biodiversity 2011-2020 from all sources, and in accordance with the consolidated and agreed process in the Strategy for Resource Mobilization, should increase substantially from the current levels. This target will be subject to changes contingent to resource needs assessments to be developed and reported by Parties</p>	<p>Trends in the mobilization of financial resources</p>	<p>Information provided through the financial reporting framework, adopted by decision XII/3 (<a href="https://chm.cbd.int/search/financial-reporting">https://chm.cbd.int/search/financial-reporting</a>)</p>	<p>X</p>	<p>X</p>		<p>X</p>	<p>X</p>		<p>Secretariat of the Convention on Biological Diversity</p>
		<p>Official development assistance and public expenditure on conservation and sustainable use of biodiversity and ecosystems (indicator for SDG target 15.a and 15.b)</p>						<p>X</p>	