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REVISED AND UPDATED STRATEGIC PLAN: TECHNICAL RATIONALE AND SUGGESTED MILESTONES AND INDICATORS

Note by the Executive Secretary

INTRODUCTION

1. In line with the process for revising and updating the Strategic Plan set out in decision IX/9, a draft updated and revised Strategic Plan for the Convention on Biological Diversity for the post-2010 period (UNEP/CBD/WG-RI/3/3) was prepared by the Executive Secretary for consideration by the third meeting of the Ad Hoc Open-ended Working Group on Review of Implementation of the Convnetion (WGRI). Similarly the proposed mission, strategic goals and targets for the Strategic Plan were made available for the fourteenth meeting of the Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) (UNEP/CBD/SBSTTA/14/10). Drawing upon SBSTTA recommendation XIV/9, the Working Group prepared for the consideration of the Conference of the Parties at its tenth meeting, recommendation 3/5, including a draft revised and updated Strategic Plan which includes five goals and 20 targets. The recommendations from SBSTTA and WGRI envisaged that the technical rationale and the suggested milestones and indicators contained in documents UNEP/CBD/SBSTTA/14/10 and UNEP/CBD/WG-RI/3/3 would be updated (see footnotes to those recommendations). Accordingly, the Executive Secretary has updated these documents in light of the analysis of SBSTTA (recommendation XIV/9, annex) and additional comments from Parties and observers.

2. The present document contains a concise version of the updated technical rationale as well as a table listing suggested milestones and possible indicators. The table also indicates possible means and examples of activities for implementation, the programmes of work and cross-cutting issues of the Convention most relevant to each target as well as examples of existing national biodiversity targets. This information is indicative only and is intended to be a resource that countries and stakeholder may wish to draw upon in implementing the plan. It will be updated in future in light of the further work on the development of indicators for the new Strategic Plan envisaged in SBSTTA recommendation XIV/9.

3. An extended version of the updated technical rationale with suggested milestones and possible indicators is provided in an information document.

* UNEP/CBD/COP/10/1.

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TECHNICAL RATIONALE FOR THE GOALS AND TARGETS OF THE STRATEGIC PLAN FOR THE PERIOD 2011-2020

Strategic goal A. Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society

Strategic actions should be initiated immediately to address, over a longer term, the underlying causes of biodiversity loss. This requires policy coherence and the integration of biodiversity into all national development policies and strategies and economic sectors and at all levels of government. Approaches to achieve this include communication, education and public awareness, appropriate pricing and incentives, and the broader use of planning tools such as strategic environmental assessment. Stakeholders across all sectors of government, society and the economy, including business, will need to be engaged as partners to implement these actions. Consumers and citizens must also be mobilized to contribute to biodiversity conservation and sustainable use, to reduce their ecological footprints and to support action by Governments.

Target 1: By 2020, at the latest, all people are aware of the values of biodiversity and the steps they can take to conserve and use it sustainably.

Increasing understanding, awareness and appreciation of the diverse values of biodiversity, are necessary to create the willingness to undertake the behavioural changes required to conserve and sustainably use biodiversity. The key audiences for such communication, education and public awareness activities will vary between Parties, but generally could focus on national and local governments, business, non-governmental organizations and civil society groups, including in their role as producers and consumers of biodiversity-related goods. Public awareness could also be measured through surveys awareness and attitudes towards biodiversity, such as was done with the *euroborometer* conducted for the European region in 2007. Other indicators which could be used to monitor progress towards this target, including: the number of visits to protected areas, natural-history museums and botanical gardens; the number of school biodiversity education programmes or officially accredited teaching materials; participation in relevant activities; and the development of lists of recommended actions for citizens, the private sector, and other stakeholders.

Target 2. By 2020, at the latest, the values of biodiversity are integrated into [national accounts], national and local development and poverty reduction strategies and planning processes.

Including the values of biodiversity in national accounts, strategies and plans would make biodiversity a factor in the development agendas of countries and would help give it greater visibility amongst policy-makers. The integration of biodiversity into national decision-making processes will enable Parties to appropriately assess the consequences of biodiversity loss, possible trade-offs and increase coordination among government ministries and levels of government. Various tools to integrate the values of biodiversity into national accounts, strategies and planning processes exist and include the Convention's work on economic, trade and incentive measures, the study on The Economics of Ecosystems and Biodiversity (TEEB), the United Nations System of integrated Economic and Environmental Accounts (SEEA), spatial planning, systematic conservation planning, strategic environmental assessment, and payment for ecosystem services mechanisms. Possible indicators for this target include the number of countries with biophysical inventories of biodiversity and ecosystem services; the number of countries with national accounts reflecting the state of biodiversity and ecosystem services and if appropriate stocks and flows of natural capital; the number of countries with poverty reduction strategies and national development plans which incorporate biodiversity;

Target 3: By 2020, at the latest, incentives[, including subsidies,] harmful to biodiversity are eliminated, phased 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 with relevant international obligations]], taking into account national socio-economic conditions.

Ending or reforming subsidies harmful to biodiversity is a critical and necessary step for implementing the strategic plan that would also generate broader net socio-economic benefits. Bearing in mind the principle of common but differentiated responsibilities, this target would not imply a need for developing countries to remove subsidies that are necessary for poverty reduction programmes. Current negotiations under the Doha Trade Round aim to clarify and improve World Trade Organization (WTO) disciplines on fisheries and in trade-distorting agricultural subsidies and these negotiations have the potential to generate high synergies with this target, and are therefore a key vehicle for achieving it. In addition, countries or regional groups may take their own initiatives to phase out and/or reform environmentally harmful subsidies. A more effective use of strategic environmental assessment could also be one mechanism to help develop and implement effective policies and actions towards this target. Estimates of the value of harmful subsidies, using criteria developed by WTO and the Organisation for Economic Co-operation and Development (OECD), would be an indicator. Baseline data is already published.

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.

Bringing the use of natural resources within safe ecological limits is an integral part of the Strategic Plan. Reducing total demand and increasing resource-use and energy efficiency contribute to the target which can be pursued through government regulations and/or incentives, education and research, and social and corporate responsibility. The target will be achieved through dialogue among sectors and stakeholders, supported by planning tools such as strategic environmental impact assessment and economic tools, such as incentive measures, that integrate biodiversity issues. Initially process indicators, such as the establishment of plans with clear and measurable targets and the presence of strategic environmental impact assessment or similar assessment tools, would be the main indicators to monitor progress towards this goal. A further possible indicator is the number of companies (or their market share) with polices for biodiversity-friendly practices. One relevant outcome indicator is the ecological footprint (and related concepts) for which baseline data is available.

Strategic goal B. Reduce the direct pressures on biodiversity and promote sustainable use

It is only possible to reduce or halt the loss of biodiversity if the drivers and pressures on biodiversity are themselves reduced or eliminated. With rising human population and income, the demand for biological resources is increasing, and without action this will translate into increased pressures on biodiversity. Thus, efforts are needed to decouple the indirect and direct drivers of biodiversity loss by means of technical improvements and more efficient use of land, sea and other resources, and through better spatial planning. Where multiple pressures are combining to weaken ecosystem structure, functioning and resilience, decisive action to reduce those pressures most amenable to rapid intervention should be prioritized, while longer-term efforts continue to moderate more intractable pressures, such as climate change and ocean acidification. Targeting drivers and pressures over which we have more immediate control will help ecosystems to maintain the resilience needed to prevent some dangerous "tipping points" from being reached and allow us to better cope with those impacts of climate change we cannot prevent in the short term. Stakeholders in each of the economic sectors will need to be engaged. Government ministries can take a leading role in their areas of responsibility, while cities and other local authorities can play a decisive role, especially in terms of local land-use planning.

Target 5: By 2020, the rate of loss and degradation, and fragmentation, of natural habitats, [including forests], is [at least halved][brought close to zero].

Habitat loss and fragmentation are the most important factors driving biodiversity loss and while economic, demographic and social pressures are likely to mean continued habitat loss and degradation, particularly due to land-use change beyond 2020, the rate of change needs to be substantially reduced. The emphasis of this target should be on preventing loss of high-biodiversity value habitats, such as primary forests and many wetlands and of ecosystems where continued degradation risks passing "tipping points" that could lead to large scale negative effects on human well-being. Reduction in the loss and degradation of natural habitats could be achieved through improvements in production efficiency and land use planning, the use of degraded land for agricultural production, improved ecosystem connectivity and enhanced mechanisms for natural resource governance combined with recognition of the economic and social value of ecosystem services provided by natural habitats. Relevant indicators include trends in the extent of selected biomes, ecosystems, and habitats, trends in the abundance and distribution of selected species and the connectivity/fragmentation of ecosystems. Reasonably good data is available for some habitats, such as forests, while for other habitats improvements in data would be needed.

Target 6: [By 2020, overfishing is ended, destructive fishing practices are eliminated, and all fisheries are managed sustainably.] or [By 2020, all exploited fish stocks and other living marine and aquatic resources are harvested sustainably [and restored], and the impact of fisheries on threatened species and vulnerable ecosystems are within safe ecological limits].

Overexploitation is the main pressure on marine fisheries globally and the World Bank estimates that overexploitation represents a lost profitability of some \$50 billion per year and puts at risk some 27 million jobs and the well-being of more than one billion people. Better fisheries management, which may include a reduction in fishing effort is needed to reduce pressure on ecosystems and to ensure the sustainable use of fish stocks. The specific target should be regarded as a step towards ensuring that all fisheries are sustainable while building upon existing initiatives such as the Code of Conduct for Responsible Fishing. Indicators to measure progress towards this target include the Marine Trophic Index, the proportion of products derived from sustainable sources and trends in abundance and distribution of selected species. Other possible indicators include the proportion of collapsed species, fisheries catch, catch per unit effort, and the proportion of stocks overexploited. Baseline information for several of these indicators is available from the Food and Agriculture Organization of the United Nations.

Target 7: By 2020, areas under agriculture, aquaculture and forestry are managed sustainably, ensuring conservation of biodiversity.

The increasing demand for food, fibre and fuel will lead to increasing losses of biodiversity and ecosystem services if management systems do not become increasingly sustainable with regard to the biodiversity. Criteria for sustainable forest management have been adopted by the forest sector and there are many efforts by Governments, indigenous and local communities, NGOs and the private sector to promote good agricultural, aquaculture and forestry practices. The application of the ecosystem approach would also assist with the implementation of this target. While, as yet, there are no universally agreed sustainability criteria, given the diversity of production systems and environmental conditions, each sector and many initiatives have developed their own criteria which could be used pending the development of a more common approach. Similarly, the use of certification and labelling systems or standards could be promoted as part of this target. Relevant indicators for this target include the area of forest, agricultural and aquaculture ecosystems under sustainable management, the proportion of products derived from sustainable sources and trends in genetic diversity of domesticated animals, cultivated plants and fish species of major socioeconomic importance. Existing sustainability certification schemes could provide baseline information for some ecosystems and sectors.

Target 8: By 2020, pollution, including from excess nutrients, has been brought to levels that are not detrimental to ecosystem function and biodiversity.

Pollution, including nutrient loading is a major and increasing cause of biodiversity loss and ecosystem dysfunction, particularly in wetland, coastal, marine and dryland areas. Humans have already more than doubled the amount of "reactive nitrogen" in the biosphere, and business-as-usual trends would suggest a further increase of the same magnitude by 2050. The better control of sources of pollution, including efficiency in fertilizer use and the better management of animal wastes, coupled with the use of wetlands as natural water treatment plants where appropriate, can be used to bring nutrient levels below levels that are critical for ecosystem functioning, without curtailing the application of fertilizer in areas where it is necessary to meet soil fertility and food security needs. Similarly, the development and application of national water quality guidelines could help to limit pollution and excess nutrients from entering freshwater and marine ecosystems. Relevant indicators include nitrogen deposition and water quality in freshwater ecosystems. Other possible indicators could be the ecological footprint and related concepts, total nutrient use, nutrient loading in freshwater and marine environments, and the incidence of hypoxic zones and algal blooms. Data which could provide baseline information already exists for several of these indicators, including the global aerial deposition of reactive nitrogen and the incidence of marine dead zones (an example of human-induced ecosystem failure).

Target 9: By 2020, invasive alien species are identified, prioritized and controlled or eradicated and measures are in place to control pathways for the introduction and establishment of invasive alien species.

Invasive alien species are a major threat to biodiversity and ecosystem services, and increasing trade and travel means that this threat is likely to increase unless additional action is taken. Pathways for the introduction of invasive alien species can be managed through improved border controls and quarantine, including through better coordination with national and regional bodies responsible for plant and animal health. While well-developed and, globally-applicable indicators are lacking, some basic methodologies do exist which can serve as a starting point for further monitoring or provide baseline information. Process indicators for this target could include the number of countries with national invasive species policies, strategies and action plans and the number of countries which have ratified international agreements and standards related to the prevention and control of invasive alien species. One outcome-oriented indicator is trends in invasive alien species while other possible indicators could include the status of alien species invasion, and the Red List Index for impacts of invasive alien species.

Target 10: By [2020][2015], to have minimized the multiple pressures on coral reefs, and other vulnerable ecosystems impacted by climate change or ocean acidification, so as to maintain their integrity and functioning.

Given the ecological inertias related to climate change and ocean acidification, it is important to urgently reduce other pressures on vulnerable ecosystems such as coral reefs so as to give vulnerable ecosystems time to cope with the pressures caused by climate change. This can be accomplished by addressing those pressures which are most amenable to rapid positive changes and would include activities such as reducing pollution and overexploitation and harvesting practices which have negative consequences on ecosystems. Indicators for this target include the extent of biomes ecosystems and habitats (% live coral, and coral bleaching), Marine Trophic Index, the incidence of human-induced ecosystem failure, and the health and well-being of communities who depend directly on local ecosystem goods and services, proportion of products derived from sustainable sources.

Strategic goal C: To improve the status of biodiversity by safeguarding ecosystems, species and genetic diversity

Whilst longer term actions to reduce the underlying causes of biodiversity loss are taking effect, immediate actions, such as protected areas, species recovery programmes, land-use planning approaches, the restoration of degraded ecosystems and other targeted conservation interventions can help conserve biodiversity and critical ecosystems. These might focus on culturally-valued species and key ecosystem services, particularly those of importance to the poor, as well as on threatened species. For example, carefully sited protected areas could prevent the extinction of threatened species by protecting their habitats, allowing for future recovery.

Target 11: By 2020, at least [15%][20%] of terrestrial, inland-water and [X%] of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through comprehensive, ecologically representative and well-connected systems of effectively managed protected areas and other means, and integrated into the wider land- and seascape.

Currently, some 13 per cent of terrestrial areas and 5 per cent of coastal areas are protected, while very little of the open oceans are protected. Therefore reaching the proposed target implies a modest increase in terrestrial protected areas globally, with an increased focus on representativity and management effectiveness, together with major efforts to expand marine protected areas. Protected areas should be integrated into the wider land- and seascape, bearing in mind the importance of complementarity and spatial configuration. In doing so, the ecosystem approach should be applied taking into account ecological connectivity and the concept of ecological networks, including connectivity for migratory species. Protected areas should also be established and managed in close collaboration with, and through participatory and equitable processes that recognize and respect the rights of indigenous and local communities, and vulnerable populations. Other means of protection may also include restrictions on activities that impact on biodiversity, which would allow for the safeguarding of sites in areas beyond national jurisdiction in a manner consistent with the jurisdictional scope of the Convention as contained in Article 4. Relevant indicators to measure progress towards this target are the coverage of sites of biodiversity significance covered by protected areas and the connectivity/fragmentation of ecosystems. Other possible indicators include the overlay of protected areas with ecoregions, and the governance and management effectiveness of protected areas. Good baseline information already exists from sources such as the World Database of Protected Areas the Alliance for Zero Extinction, and the IUCN Red List of Threatened Species and the IUCN World Commission on Protected Areas.

Target 12: By 2020 the extinction and decline of known threatened species has been prevented and improvement in the conservation status [for at least 10% of them] has been achieved.

While reducing the threat of human-induced extinction requires action to address the direct and indirect drivers of change, imminent extinctions of known threatened species can in many cases be prevented by protecting the sites where such threatened species are located, by combating particular threats, and through *ex situ* conservation. Additional actions which directly focus on species include the implementation of species recovery and conservation programmes, *ex situ* conservation measures as well as the re-introduction of species to habitats from which they have been extirpated. Similar actions can be used to improve the conservation status of species more broadly. One relevant indicator for this target is the change in status of threatened species. The IUCN Red List provides good baseline information for this target.

Target 13: By 2020, the loss of genetic diversity of cultivated plants and domestic farm animals in agricultural ecosystems and of wild relatives is halted and strategies have been developed and implemented for safeguarding the genetic diversity of other priority socio-economically valuable species as well as selected wild species of plants and animals.

The genetic diversity of crop and livestock diversity on farms is in decline. While substantial progress has been made in safeguarding many varieties and breeds through *ex situ* storage in genebanks, less progress has been made *in situ*. *In-situ* conservation, including through continued cultivation on farms, allow for ongoing adaptation to changing conditions (such as climate change) and agricultural practices. The programme of work on agricultural biodiversity as well as the Global Plan of Action for the conservation and sustainable use of plant genetic resources for food and agriculture of the Food and Agriculture Organization of the United Nations (FAO), the FAO Global Plan of Action for animal genetic resources and the International Initiative on Biodiversity for Food and Nutrition provide guidance on the types of actions which can be taken to reach this target. Indicators for this target are *ex-situ* crop collections, and the genetic diversity of terrestrial domestic animals. Other indicators could include trends in the genetic diversity of cultivated plants, and fish species of major socio-economic importance and the number of genebank accessions. Assessments carried out by the Food and Agriculture Organization could serve as baselines for this target.

Strategic goal D: Enhance the benefits to all from biodiversity and ecosystem services.

Biodiversity underpins the services provided by ecosystems vital to humankind, such as the provision of food, clean water, the removal of wastes and the mitigation of the impacts of extreme events. However ecosystems are being modified often to increase the proportion of provisioning services delivered in a given time (e.g., for food, fiber, etc.) or to make them more suitable for human requirements, thereby typically decreasing their potential to deliver other services. Wise management of ecosystems aims to ensure the continuous delivery of a range of services or co-benefits. The potential for the delivery of ecosystem services in degraded systems is reduced and hence the benefits for human societies limited. This Strategic Goal aims to enhance the delivery of ecosystem services through the promotion of management for multiple ecosystem services and the restoration of degraded systems. Efforts should focus on maintaining and, wherever possible, restoring terrestrial, freshwater and marine ecosystems to ensure the provision of valuable ecosystem services, contributing to the achievement of the Millennium Development Goals and to climate change mitigation and adaptation.

Target 14: By 2020 ecosystems that provide essential services and contribute to health, livelihoods and well-being, are safeguarded and/or restored and equitable access to ecosystem services is ensured for all, taking into account the needs of women, indigenous and local communities and the poor and vulnerable.

Some ecosystems are particularly important in that they provide services that are essential for the lives and livelihoods of women, indigenous and local communities, including the poor and vulnerable. Accordingly, priority should be given to safeguarding, or restoring such ecosystems, and to ensuring that people have adequate access to these services. Ecosystems which provide essential services and that contribute to local livelihoods should be identified through participatory processes at local, national and global levels and in accordance with Article 10 of the Convention. The resulting information should be integrated into development plans to ensure that these ecosystems receive the necessary protection and investments. Indicators for this target include the health and well-being of communities who depend directly on local ecosystem goods and services and biodiversity for food and medicine. Other possible indicators include the status and trends of land use in indigenous peoples' territories and the status and trends in the practice of traditional occupations.

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% of degraded ecosystems, thereby contributing to climate change mitigation and adaptation and to combating desertification.

Restored forest and other landscapes and seascapes can improve resilience including adaptive capacity of ecosystems and societies, contributing to climate change adaptation and generating additional benefits for people, in particular indigenous and local communities and the rural poor. The wider application of restoration efforts could contribute significantly to the achievement of the objectives of the Convention, and generate significant synergies with the United Nations Framework Convention on Climate Change (UNFCCC), the United Nations Convention to Combat Desertification (UNCCD) and the United Nations Forum on Forests (UNFF). Appropriate incentive schemes (such as "REDD-plus") could reduce, or even reverse, negative land-use changes and, with appropriate safeguards, including respect for local land and resource rights, could also deliver substantial co-benefits for biodiversity and local livelihoods. Relevant indicators include the extent of biomes, ecosystems and habitats. Other possible indicators could include the storage of carbon and other GHG (using UNFCCC inventories supplemented by scientific assessments) and assessments of vulnerability and adaptive capacity.

Target 16: By 2020, access to genetic resources is [promoted] [facilitated] [enhanced], and benefits are shared consistent with national legislation [and the international [regime][protocol] on access and benefit-sharing, and the regime is in force and operational [and an access and benefit-sharing fund providing timely, adequate and predictable funds to developing countries, in particular the least developed among them, small island developing States and countries with economies in transition as a precondition for the fulfilment of their commitments under the protocol]].¹

The third objective of the Convention provides for "the fair and equitable sharing of the benefits arising out of the utilization of genetic resources...". The tenth meeting of the Conference of the Parties is expected to adopt an international protocol on access and benefit-sharing. If a legally-binding regime is agreed, interim targets could be set for its ratification and entry into force. An indicator of access and benefit sharing is under development. Possible measures could include the number of countries Party to the international regime, the number of countries with national ABS frameworks/legislation; the number of ABS agreements; the number of technical assistance programmes for strengthening national ABS programmes; and, potentially, the value of benefits shared.

Strategic goal E. Enhance implementation through participatory planning, knowledge management and capacity-building

Most actions under the Convention are initiated and carried out at the national or sub-national levels, and will be delivered through the implementation of national biodiversity strategies and action plans. National strategies need to integrate new national targets consistent with this Strategic Plan and must be implemented through action plans involving all parts of government, society and the economy. This will also require improvements in knowledge and how it is disseminated, as well as substantial increases in capacity in all countries, especially developing countries, in particular least developed countries and small island developing States, as well as countries with economies in transition. Progress towards this strategic goal will facilitate the achievement of all other strategic goals and targets contained in this Strategic Plan.

¹ Final formulation of this target is pending final agreement on the international regime at COP-10, noting that there is consensus that the Strategic Plan will include a target on access and benefit-sharing.

Target 17: By 2020, each Party has developed, adopted as a policy instrument, and implemented, an effective, participatory and updated national biodiversity strategy and action plan.

National biodiversity strategies and action plans (NBSAPs) are the key instrument for translating the Convention and decisions of the Conference of the Parties into national action. Participatory stakeholder involvement throughout the design, planning and implementation of an NBSAP is essential to ensure that the plans will be effective. An NBSAP should not be a static but a living planning document that allows individual Parties to identify their needs, priorities and opportunities for biodiversity in light of their broader national goals and to revise the plan accordingly. The target for 2020 implies that NBSAPs are used as effective tools for mainstreaming biodiversity across government and society. Indicators to measure progress towards this goal could include the number of countries with revised NBSAPs, the number of stakeholders who participate in the revision and updating process of NBSAPs, and national assessments of NBSAP implementation.

Target 18: By [2020], [[have [*sui generis* legal] systems in place to protect] traditional knowledge, innovations and practices of indigenous and local communities that are relevant to biodiversity and their customary sustainable use of biodiversity are respected, preserved and maintained, and their contribution to the conservation and sustainable use of biodiversity is recognized and enhanced.] [The traditional knowledge and customary sustainable use relevant to biodiversity of indigenous and local communities are fully recognized and mainstreamed in the implementation of the Convention on Biological Diversity, its programmes of work and cross-cutting issues, at all levels.]

In line with Article 8(j) of the Convention, traditional knowledge, innovations and practices should be respected, protected, maintained and promoted, and used in local ecosystem management, drawing upon experiences of customary use, with the approval of relevant communities. Likewise, in line with Article 10(c), customary use of biological resources that is compatible with conservation and sustainable use should be protected and encouraged. The guidance developed as part of the Convention's cross-cutting issue on traditional knowledge, innovations and practices provides advice on how this target can be implemented. Indicators include the status and trends of linguistic diversity and numbers of speakers of indigenous languages. Other indicators for the status of indigenous and traditional knowledge, for example the status and trends of land use in indigenous peoples, territories and the status and trends in the practice of traditional occupations are under development.

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.

Each country needs access to information to identify threats to biodiversity and determine priorities for conservation and sustainable use. Action taken to reach this target will also benefit the other targets of the Strategic Plan by encouraging new research, the development of new technologies and improved monitoring. For knowledge that is already available, access could be improved through the further development of the Clearing-House Mechanism at national and global levels. Further efforts are also needed, at multiple scales, to improve biodiversity-related knowledge and reduce uncertainties around the relationship between biodiversity change, ecosystem services and impacts on human well-being. An indicator for technology transfer is under development. Possible process indicators include the number of countries with national clearing-house mechanisms; visitors to national CHM websites; extent of data coverage for global biodiversity indicators and measures; and the use biodiversity-related information in the fifth and sixth national reports.

Target 20: By 2020, capacity (human resources and financing) for implementing the Convention has increased [tenfold].

The capacity for implementing the Convention in terms of trained staff and financial resources is limited in most countries, especially in developing countries, in particular the least developed countries and small island developing States, as well as countries with economies in transition. The capacity which currently exists in countries must be further built upon so that it can be increased by about an order of magnitude to meet the challenges of implementing this Strategic Plan. A tenfold increase in capacity represents an approximate global figure and does not imply a tenfold increase in every country. This target should be seen as a common commitment by donors and recipient countries to take action as appropriate to both increase development cooperation funds available for biodiversity relevant activities, consistent with the Paris Declaration, and also to give appropriate priority in the use of those funds. The increase in capacity included as part of this target should be conducted bearing in mind the provisions of Article 20 of the Convention. Official development assistance provided in support of the Convention is one indicator for this target. Additional indicators could include the resources provided to developing countries which are dispersed through mechanisms other than Official Development Assistance. Another possible indicator includes the number of officials and experts qualified on biodiversity-related matters. The global monitoring reports of the Convention's resource mobilization strategy will help monitor progress towards this target. Data related to official development assistance is already available and could serve as a baseline for gauging progress towards this goal.

POSSIBLE MEANS, MILESTONES AND INDICATORS FOR THE GOALS AND TARGETS OF THE STRATEGIC PLAN 2011-20

| Target | Means and examples of activities | Suggested Milestones* (abbreviated form) | Possible Indicators (Parenthesis) = new indicator | Most relevant CBD programmes of work and cross- cutting issues | Examples of existing national biodiversity target | | | |
|--|--|--|---|--|---|--|--|--|
| Strategic goal A. Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society | | | | | | | | |
| 1. By 2020, at the latest, all people are aware of the values of biodiversity and the steps they can take to conserve and use it sustainably. | Implement CEPA programmes Active engagement of citizens Develop citizen action lists Principles and messages of education for sustainable development | By 2014 national baseline surveys are carried out and comprehensive national strategies to promote awareness of the value of biodiversity are prepared and adopted | (Number of opinion and awareness surveys) (Number of education programmes or materials) (Number of visits to museums, parks) (Number of programmes for citizen led actions) | Communication, Education and Public Awareness | By 2012 all environmental themes will be incorporated into curriculum of universities and schools. (Yemen) 10 million Europeans actively engaged in biodiversity conservation by 2010, and 15 million by 2013. (European Union) | | | |
| 2. By 2020, at the latest, the values of biodiversity are integrated into [national accounts], national and local development and poverty reduction strategies and planning processes. | Value biodiversity and ecosystem services Apply environmental accounting Mainstream biodiversity in poverty reduction and development strategies and development cooperation Develop and apply payment for ecosystem services | By 2012, work on bio- physical inventories of biodiversity and associated ecosystem services is initiated By 2014, a work programme for reflecting biodiversity and ecosystem values in national accounts is developed | (Number of countries with PRSP/NDP incorporating biodiversity) (Number of countries with biodiversity reflected in national statistics) (Number of companies / market share with biodiversity friendly practices) (stocks and flows of natural capital) | Economics, Trade and Incentive Measures Biodiversity for Development | | | | |

^{*} As contained in annex II to document UNEP/CBD/SBSTTA/10/10.

| Target | Means and examples of activities | Suggested Milestones* (abbreviated form) | Possible Indicators (Parenthesis) = new indicator | Most relevant CBD programmes of work and cross- cutting issues | Examples of existing national biodiversity target |
|---|--|---|---|---|---|
| 3. By 2020, at the latest, incentives[, including subsidies,] harmful to biodiversity are eliminated, phased out or reformed in order to minimize or avoid negative impacts [and positive incentives for the conservation and sustain- able use of biodiversity are developed and applied, [consistent with relevant international obligations]], taking into account national socio-economic conditions. | Application of CBD guidance on SEA and incentive measures Application of relevant OECD guidance Implement national or regional measures to remove incentives. including subsidies, harmful to biodiversity Complete WTO negotiations on fishery subsidies and agricultural domestic support | By 2012 () subsidy inventories are established by all OECD countries, and an assessment of their effectiveness () cost- efficiency, and impacts on biodiversity, is being initiated By 2016 subsidy programmes identified in the plans of actions are being effectively phased out by 2020 | (Value of subsidies harmful to biodiversity) (Successful conclusion of WTO negotiations on fishery subsidies and on agricultural domestic support) | Economics, Trade and Incentive Measures Impact assessment | |
| 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. | Inter-ministerial committees Nationally-developed guidelines Develop sector guidelines Ecosystem management in city districts Develop production and consumption-related sector plans Promote dialogue among sectors and stakeholders SEA and economic tools | By 2014 Governments and major private sector actors, at sector or company level, have developed assessments of their ecological footprint, and have developed sustainability plans to it By 2018, Governments and major private sector actors can demonstrate progress towards sustainability | Ecological footprint and related concepts (Number of sectors, by country and company, with management plans incorporating biodiversity) (Number of plans with clear and measurable targets) (Number of countries with SEA tools including biodiversity, and their application at multiple levels of government) | Business and Biodiversity Initiative Sustainable use of biodiversity Impact assessment | By 2015 the principles of sustainable development will be integrated into country policies and programmes (Yemen) |

4. Strategic Goal B. Reduce the direct pressures on biodiversity and promote sustainable use

| 5. By 2020, the rate of loss | Spatial planning | By 2014 national | Trends in extent of | Forest Biodiversity | 5. By 2010 |
|--------------------------------|-------------------------|--------------------------|-------------------------|---------------------|----------------------|
| and degradation, and | Enforce existing laws & | legislation and land-use | selected biomes, | Marine and coastal | deforestation in the |
| fragmentation, of natural | regulations | plans or zonation maps | ecosystems and habitats | biodiversity | Amazon Biome reduced |
| habitats, [including forests], | Implement REDD | have been reviewed and | Trends in abundance and | Inland water | by 75% (Brazil) |

| Target | Means and examples of activities | Suggested Milestones* (abbreviated form) | Possible Indicators (Parenthesis) = new indicator | Most relevant CBD programmes of work and cross- cutting issues | Examples of existing national biodiversity target |
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| is [at least halved][brought close to zero]. | Improvements in production efficiency Recognize the value of ecosystem services Prevent loss of primary forests and other high-value habitats | updated in relation to national targets, and spatial planning tools are made available for wide use | distribution of species Connectivity/ fragmentation of ecosystems Proportion of products from sustainable sources The incidence of human- induced ecosystem failure | biodiversity Dry and sub-humid lands biodiversity Sustainable use | 6. Forest coverage maintained at the 2000 level of 60% coverage through 2010 and 2015. (Cambodia) By 2012 forest and tree cover will be increased to 33% (China) |
| 6. [By 2020, overfishing is ended, destructive fishing practices are eliminated, and all fisheries are managed sustainably.] or [By 2020, all exploited fish stocks and other living marine and aquatic resources are harvested sustainably [and restored], and the impact of fisheries on threatened species and vulnerable ecosystems are within safe ecological limits]. | Reduce fishing intensity and areas through collaborative partnerships with local communities and fishery organizations Code of Conduct for Responsible Fisheries 2002 World Summit on Sustainable Development Development of regional mechanisms to manage share fisheries | By 2012, Parties should have taken steps to address the management of fishing capacity for international fisheries requiring urgent attention By 2012, Parties should have eliminated destructive fishing practices By 2015, pressure on marine ecosystems from fishing is halved, globally | Marine trophic index Distribution and abundance of fish species Proportion of products derived from sustainable sources (Proportion of collapsed species) (Fisheries catch) (Catch per unit effort) (Proportion of stocks overexploited) | Sustainable use of biodiversity Marine and coastal biodiversity Inland waters biodiversity | Stock levels maintained or restored to levels that can produce maximum sustainable yield, where possible no later than 2015 and the ecosystem approach to the protection of the seas and implied fisheries management measures applied no later than 2016. (European Union) |
| 7. By 2020 areas under agriculture, aquaculture and forestry are managed sustainably, ensuring conservation of biodiversity. | Apply the ecosystem approach Implement sustainable forest, agriculture and aquaculture management Apply law and governance mechanisms Apply good agricultural practices Reduce pesticide use and apply integrated pest management Promoted certification and | By 2012, all Parties have identified or developed and promoted sustainability criteria and/or good practices for agriculture, aquaculture and forestry By 2015, the area of agriculture, aquaculture and forestry managed according to sustainability criteria has doubled | Area of forest, agricultural and aquaculture ecosystems under sustainable management Proportion of products derived from sustainable sources Trends in genetic diversity of domesticated animals, cultivated plants and fish species of major socioeconomic importance | Sustainable use of biodiversity (Addis Ababa Principles and Guidelines) Business and biodiversity initiative Agricultural biodiversity Forest biodiversity Inland water biodiversity Marine and coastal | By 2015 spawning in fish cages will be halted to avoid genetic mixing of farmed cod and wild cod (Norway) By 2010 biodiversity and biological resources will be used in a sustainable manner, so that biodiversity is maintained at the landscape level. (Sweden) |

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| | labelling Implement <i>Satoyama</i> and similar initiatives | | The ecological footprint and related concepts (use of good agricultural practices) | biodiversity Dry and sub-humid lands biodiversity | |
| 8. By 2020, pollution, including from excess nutrients, has been brought to levels that are not detrimental to ecosystem function and biodiversity. | Promote appropriate and efficient fertilizer use and disposal of wastes from livestock (good agricultural practices) Improve sewage treatment Wise use of wetlands Better control of point sources of pollution Develop national water quality guidelines | By 2014 Parties have developed national assessments of the impact of nutrient loading and other pollution on ecosystems and have developed strategies and polices to reduce it By 2015 most ecosystems show declining nutrient loads and levels of other pollutants | Nitrogen deposition Water quality in aquatic ecosystems Ecological footprint and related concepts, Human- induced ecosystem failure (Total nutrient use, nutrient loading in fresh- water and marine areas) (Incidence of hypoxic zones and algal blooms) | Inland water biodiversity Marine and coastal biodiversity Impact assessment The International Initiative on Soil Biodiversity | Principal pollutant pressures on terrestrial and freshwater biodiversity substantially reduced by 2010 and again by 2013 (European Union) |
| 9. By 2020, invasive alien species are identified, prioritized and controlled or eradicated and measures are in place to control pathways for the introduction and establishment of invasive alien species. | Increase effectiveness of border controls and quarantine measures Address pet trade Control spread of invasive species Study and monitor emerging wildlife infectious diseases Better coordination with national and regional plant and animal health bodies WTO-SPS Standards and Trade Development Facility | By 2014 potential pathways for invasive alien species are identified using a risk assessment framework, lists of the most harmful invasive species are developed, action plans are developed and relevant legislation is reviewed By 2016 actions have been taken to address the most important introduction pathways and the most serious invasions | Trends in invasive alien species The Red List Index for impacts of invasive alien species (Number of countries with national invasive species strategies and action plans) (Number of countries which have ratified relevant international agreements and standards) | Invasive alien species | By 2010 action plans for prevention and control prepared for all species listed under the national assessment of alien invasive species (Brazil) |

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| 10. By [2020][2015], to have minimized the multiple pressures on coral reefs, and other vulnerable ecosystems impacted by climate change or ocean acidification, so as to maintain their integrity and functioning. | Reduce CO ₂ and other GHG emissions Optimize ecosystem management to remove CO2 Conduct vulnerability assessments Reduce non-climate related pressures Marine protected areas | By 2012 assess the integrity of coral reefs and other vulnerable ecosystems and the pressures on them and to develop a strategy to minimize these | Trends in extent of selected biomes, eco- systems and habitats (% live coral, bleaching The marine trophic index, The incidence of human- induced ecosystem failure Health and well-being of communities who depend directly on local ecosystem services |)Climate Change and Biodiversity Marine and coastal biodiversity The International Initiative on Food and Nutrition are | By 2010 support to bio- geographic studies to include the predictability of species occurrence associated with potential climate changes using geographic information systems (Brazil) |
| Strategic goal C: To improve the | he status of biodiversity by safe | guarding ecosystems, species | s and genetic diversity | | |
| 11. By 2020, at least [15%][20%] of terrestrial, inland- water and [X%] of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through comprehensive, ecologically representative and well-connected systems of effectively managed protected areas and other means, and integrated into the wider land- and seascape. | Protect critical areas identified in line with CBD annex I (high biodiversity areas and areas providing critical services) Cooperation with indigenous and local communities Effective and sustainable management of protected areas Integrate protected areas into the wider land- and seascape Apply the ecosystem approach taking into account connectivity Limit processes/activities harmful to biodiversity | By 2012 in the marine area, a global network of comprehensive, representative and effectively managed national and regional protected area system is established By 2012 all protected areas have effective management in existence By 2015 all protected areas and protected area systems are integrated into the wider land- and seascape, and relevant sectors | Coverage of protected areas Management effectiveness of protected areas Trends in extent of selected biomes, ecosystems and habitats Water quality in aquatic ecosystems Connectivity/ fragmentation of ecosystems The marine trophic index The overlay of protected areas with ecoregions | Protected Areas Dry and sub-humid lands biodiversity Inland waters biodiversity Island biodiversity Marine and coastal biodiversity Mountain biodiversity Global Strategy for Plant Conservation | By 2012 a representative network of marine protected areas established (Norway) By 2030 713 wetland sites and 80 sites of international importance will be established, protecting 90% of wetlands of the country (China) By end of 2013 over 49.5% of the country's land area representing all the ecosystems will be under protected areas thereby ensuring survival of all the representative species (Bhutan) |

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| 12. By 2020 the extinction and decline of known threatened species has been prevented and improvement in the conservation status [for at least 10% of them] has been achieved. | Identification and protection of priority areas Implement species recovery and conservation programmes <i>Ex situ</i> conservation measures The re-introduction of species to habitats from which they have been extirpated The identification and protection of areas important for at risk species | By 2012 information on threatened species has been reviewed and conservation measures have been taken to prevent imminent extinctions By 2014, preliminary national Red List assessments have been conducted By 2016, a strategy for the prevention of extinctions of all nationally threatened species is in place | Change in status of threatened species Protected area coverage (Proportion of known threatened species protected) | Global Strategy for Plant Conservation Global Taxonomy Initiative Programme of work on protected areas | By 2015, the conservation status of threatened species will have improved such that the proportion threatened species will have decreased by 30% compared to 2000, with no increase in the percentage of species that have become regionally extinct (Sweden) By 2012 50% of endangered plants will be conserved (Japan) |
| 13. By 2020, the loss of genetic diversity of cultivated plants and domestic farm animals in agricultural ecosystems and of wild relatives is halted and strategies have been devel-oped and implemented for safeguarding the genetic diversity of other priority socio-economically valuable species as well as selected wild species of plants and animals. | Maintenance of crop and livestock varieties on farm Establish protected areas for wild relatives Continue to establish and develop genebanks | By 2014 programmes for <i>in situ</i> conservation of crop and livestock genetic diversity are included in national biodiversity strategies and action plans | Trends in genetic diversity of domesticated animals, cultivated plants, and fish species of major socio-economic importance (Number of genebank accessions) (<i>ex-situ</i> crop collections) | Agricultural biodiversity Global Strategy for Plant Conservation International Initiative on Food and Nutrition | By 2010 60% of the genetic diversity of Brazilian wild relatives of cultivated plant species of the ten priority genera effectively conserved <i>in</i> <i>situ</i> and/or <i>ex situ</i> (Brazil) |
| Strategic goal D: Enhance the | benefits to all from biodiversit | y and ecosystem services | | | |
| 14. By 2020 ecosystems that provide essential services and contribute to health, livelihoods and well-being, | Develop ecological networks, corridors linking protected areas, riparian strips, flyways for migratory | By 2012 information on the services provided by ecosystems and the benefits received by local | Connectivity/ fragment- ation of ecosystems Health and well-being of communities who depend | Biodiversity for development and poverty reduction | By 2012 a total of 33,000 ha of upland forests and drained peatlands will be restored (Finland) |

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| are safeguarded and/or restored and equitable access to ecosystem services is ensured for all, taking into account the needs of women, indigenous and local communities and the poor and vulnerable. | birds, etc. Apply Integrated river basin management integrated coastal zone management. Implement the Satoyama initiative and similar initiatives Identify biodiversity and ecosystem services of particular value to the poor and vulnerable | and indigenous communities is compiled and reviewed By 2014 national strategies or polices for enhanced provision of and access to essential ecosystem services are developed as a contribution to poverty reduction and sustainable development strategies | directly on local ecosystem services Biodiversity used in food and medicine Incidence of human- induced ecosystem failure (status and trends of land use in indigenous peoples' territories) (status and trends in the practice of traditional occupations) | | Protected areas will cover 8.7% by 2013 and 12% by 2028 (South Africa) By 2012 the coverage of protected areas will reach 12% of the total land area of the country and 15% by 2017 (Jordan) |
| 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% of degraded ecosystems, thereby contributing to climate change mitigation and adaptation and to combating desertification. | Implement mechanisms related to REDD Protect peatlands and other key wetlands Improve soil management Up-scaling landscape restoration efforts Incentive schemes under discussion in the context of the climate change negotiations, and additional schemes for other terrestrial, freshwater and coastal ecosystems | By 2014, information on the potential contribution of all ecosystems to carbon storage and sequestration is compiled, reviewed and a national strategy for the enhance- ment of the contribution of biodiversity to ecosystem resilience and carbon storage has been prepared By 2014 a national plan for ecosystem restoration is in place and being implemented | Trends in extent of selected biomes, ecosystems, and habitats Trophic integrity of other systems (Storage of carbon and other GHG (using UNFCCC inventories supplemented by scientific assessments)) (Assessment of vulnerability and adaptive capacity) | Climate Change and Biodiversity Forest Biodiversity Inland Waters Biodiversity | Increase afforestation to 30% by 2020 and to 33% in 2050 (Poland) |
| Strategic goal E. Enhance imp | lementation through participation | tory planning, knowledge ma | nagement and capacity build | ling | 1 |

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| 16. By 2020, access to genetic resources is [promoted] [facilitated] [enhanced], and benefits are shared consistent with national legislation [and the international [regime] [protocol] on access and benefit sharing, and the regime is in force and operational [and an access and benefit sharing fund providing timely, adequate and predictable funds to developing countries, in particular the least devel- oped among them, small island developing States and countries with econom- ies in transition as a pre- condition for the fulfilment of their commitments under the protocol]] ² | Provide technical assistance to develop national ABS frameworks and legislation and implement the international regime Implement awareness raising activities among users and providers of genetic resources Provide technical assistance to support research and utilization of genetic resources to generate value | By 2012 the international regime on access and benefit-sharing enters into force By 2014 all countries have developed the domestic policies and initiated relevant measures in line with the Convention, and the international regime on access and benefit-sharing, as appropriate | Access and Benefit-sharing (Number of countries Party to international regime, ITPGRFA) (Number of national ABS frameworks, legislation) (Number of ABS agreements) (Number of technical assistance programmes) (Value of benefits shared) | Access to Genetic Resources and Benefit-sharing The Convention, in its article 15, sets out principles and obligations of Parties related to ABS Bonn Guidelines | By 2010 national programme for ABS will be fully developed and sufficient number of personnel for protection of indigenous traditional knowledge (Sweden) |
| 17. By 2020, each Party has developed, adopted as a policy instrument, and implemented, an effective, participatory and updated national biodiversity strategy and action plan. | Further develop National planning processes. Further develop National clearing house mechanisms Where appropriate, regional and subnational strategies should be developed. The effective use of NBSAPs as tools for | By 2012, each Party has adopted a set of national targets to contribute to the global targets of this Strategic Plan and has begun to incorporate these into its national biodiversity strategy By 2014 each Party has | (Number of countries with revised NBSAPs) (Number of of stakeholders participating in the revision progress) (Assessment of NBSAP implementation) | As all programmes of work, cross-cutting issues and initiatives | |

 $^{^2}$ Final formulation of this target is pending final agreement on the international regime at the tenth meeting of the Conference of the Parties, noting that there is consensus that the Strategic Plan will include a target on access and benefit-sharing.

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| | mainstreaming biodiversity across government and society | adopted an up-to-date, effective and operational national biodiversity strategy which contributes to the Strategic Plan | | | |
| 18. By [2020], [[have [sui generis legal] systems in place to protect] traditional knowledge, innovations and practices of indigenous and local communities that are relevant to biodiversity and their customary sustainable use of biodiversity are respected, preserved and maintained, and their contribution to the conservation and sustainable use of biodiversity is recognized and enhanced.] [The traditional knowledge and customary sustainable use relevant to biodiversity of indigenous and local communities are fully recognized and mainstreamed in the implementation of the Convention on Biological Diversity, its programmes of work and cross-cutting issues, at all levels.] | Implement Article 8(j) Implement and support the Satoyama initiative and similar initiatives | By 2012 a review of the use of traditional knowledge, innovations and practices, has been carried out in collaboration with indigenous and local communities By 2014 adequate measures to protect traditional knowledge and the rights of indigenous and local communities to practice their traditional knowledge, innovations and practices have been put in place By 2016 a strategy to promote traditional knowledge, innovations and practices, with the approval of the knowledge holders, has been developed and put in place | Status and trends of linguistic diversity and numbers of speakers of indigenous languages Other indicators of the status of indigenous and traditional knowledge are under development. (Status and trends of land use in indigenous peoples' territories) (Status and trends in the practice of traditional occupations) | Traditional knowledge, innovations and practices | By 2010 100% of cases of access to traditional knowledge include prior informed consent, obligatory sharing of knowledge generated and sharing of benefits (Brazil) |

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| 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. | Further development of the clearing-house mechanism at national and global levels. Improve understanding of biodiversity, relationship with ecosystem services and human well-being and consequences of loss; Reduce uncertainties concerning the causes and consequences of biodiversity loss in future scenarios Improve global monitoring and capacity to use indicators. Improvements to the science-policy interface | By 2012 a review of the relevant knowledge and technologies potential available in-country and of the gaps in knowledge and technologies necessary to implement the Convention, has been carried out By 2014 a national clearing-house mechanism is established, together with a strategy to improve access to knowledge and technologies | Indicator to be developed (Number of countries using biodiversity indicators and the extent of their data coverage) (Number of cases technical assistance to developing countries) (Number of countries with national CHM websites) (visitors/per year at each national CHM websites) (quality of web content and on-line services) (Use of biodiversity information in the fifth and sixth national reports) | Identification, monitoring, indicators and assessments Technology transfer and cooperation Global Taxonomy Initiative | Promotion of the exchange and transfer of environmentally sustainable technologies between developing countries for the effective implementation of the CBD programmes of work, in accordance with Article 20, paragraph 4 and Article 16 (Brazil) |
| 20. By 2020, capacity (human resources and financing) for implementing the Convention has increased [tenfold]. | Increase Official Development Assistance Reinforce domestic capacity Implement innovative financing mechanisms Apply appropriate allocation of resources Improve dialogue and coordination among donors and recipients of bilateral and multilateral aid Undertake training and capacity-building Promote professional networks and exchange of expertise | | Official Development Assistance provided in support of the Convention (Number of officials and experts qualified on biodiversity related matters) | | By 2010 new and additional financial resources, from public and private, domestic and international sources obtained and available for use in Brazil making possible the effective implementation of its commitments to the CBD programmes of work, in accordance with Article 20 (Brazil) |