

Preparation of the post-2020 global biodiversity framework

17.06.2022

Halting biodiversity loss and promoting sustainable use of biodiversity **is more urgent than ever. The scientific evidence on this is clear and consensual**, with both the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services IPBES and the Intergovernmental Panel on Climate Change IPCC referring to it in their recent reports. Despite this urgency, the further process in preparation for the 15th Conference of the Parties (COP) to the Convention on Biological Diversity (CBD) is currently unpredictable. After the Open-ended Working Group meeting in March 2022 (OEWG-3), there will be an additional OEWG-4 in Nairobi. The date for COP-15 has still not been confirmed. Given the importance of the issue and the time pressure to take action, this is of great concern and indeed unacceptable. Moreover, it creates uncertainty, especially for stakeholders who need longer-term planning horizons in order to be adequately involved in the negotiations.

To serve both current and future generations, the post-2020 framework should be ambitious and promote rapid, profound and comprehensive changes in our social and political coexistence. In line with the mandate of the CBD, the post-2020 framework should focus on the three goals of the CBD to which all Parties have committed. At the same time, interactions with other policy sectors should be taken into account and trade-offs should be avoided or minimised as far as possible.

In principle, the post-2020 framework should be negotiated and formulated in a knowledge-based manner. **Particular emphasis should be placed on the implementation of the goals set and the role of science in this connection.** Ambitious, concrete, measurable and therefore verifiable goals depend on science for their implementation. Both in the negotiation and formulation as well as in the subsequent implementation of the post-2020 framework, the interests of stakeholders who are involved and relevant should be comprehensively taken into account and respected. **Successful implementation of measures to achieve the objectives of the post-2020 framework requires the full and equitable participation of relevant stakeholders, in particular indigenous and local communities – based on free, prior and informed consent.**

With regard to the issues of access-and-benefit-sharing (ABS) and digital sequence information (DSI), which are crucial to the negotiations of the post-2020 framework, **attention must be paid to scientific freedom in the future**, including through the promotion of open data.

Specifically related to the negotiation text, care should be taken to ensure that certain terminologies are defined in the glossary and consistently applied. Currently, two different sentence structures are used, namely "Ensure that XY is done" and "XY is done" – **the goals of the post-2020 framework to be achieved by 2030 should be formulated uniformly and in a way that is as action-oriented as possible.** Section B.bis (Principles and Approaches for the implementation of the framework) of the document CBD/WG2020/3/L.2 is extremely important and provides the basis for a successful implementation of the post-2020 framework. For this reason, the role of science in the formulation and implementation of the post-2020 framework, as well as in monitoring the achievement of the goals, should be clearly emphasised here. In addition, a consistent approach to implementation should be laid out, including horizon scanning, monitoring, and a mechanism to ensure liability and redress for damage and inaction.

The negotiation text of the document CBD/WG2020/3/L.2 is presented below as an outcome of the OEWG-3, with concrete proposals for changes based on our scientific expertise.

Concrete proposals for changes to the current post-2020 global biodiversity framework draft

The following section presents the outcomes of the Open-ended Working Group (OEWG-3), which are available in document CBD/WG2020/3/L.2, including the changes we propose based on our scientific expertise.

Each composite text is preceded by an italic clean text representing the respective outcome of the proposed changes. Underlined terminologies should be defined in the glossary.

2030 MISSION

“To take urgent and transformative action across society to halt and reverse biodiversity loss, conserve and sustainably use biodiversity and ensure the fair and equitable sharing of benefits from the use of genetics resources by 2030, for the benefit of planet and people”.

“To ~~take~~ ~~[[catalyze the necessary means of implementation to support]]~~ urgent ~~[-, ambitious]~~ ~~and transformative~~ action across society to ~~halt and reverse biodiversity loss, and achieve a [biodiversity [net] gain for a nature positive world][[net] gain for biodiversity][nature positive world]]~~ ~~conserve and sustainably use biodiversity [-, including restoration]~~ and ensure the fair and equitable sharing of benefits from the use of genetics resources ~~[-, to put biodiversity on a path to recovery]~~ ~~achieve a nature-positive world~~ by 2030, ~~]~~ ~~contributing to the Sustainable Development Goals]~~ ~~for the benefit of planet and people]~~ ~~[-, supporting sustainable development and addressing inequalities among and within societies]~~ ~~[by 2030]”.~~

~~Alt 1. Zero [net] loss of nature from 2020, [net] positive by 2030, and full recovery by 2050—for the benefit of all people and life on Earth.~~

~~Alt 2. By [2030][2050] halt and reverse the loss of biodiversity and put nature on a [fair and equitable] path to recovery for the benefit of [present and future generations][all people and the planet].~~

~~Alt 3. Act now to [conserve][protect], restore, use sustainably, and fund for [reversing biodiversity loss][achieving a [net] gain for biodiversity and] for the benefit for planet and people.~~

GOAL A

The integrity, area and connectivity of [all] terrestrial and marine ecosystems, including inland water and coastal areas, is enhanced with no further loss of highly intact or threatened ecosystems and increased by at least 5 per cent by 2030 and 20 per cent by 2050¹.

The overall extinction risk of threatened taxa is reduced by at least 20% by 2030, and the human-induced extinction of all species is halted.

The abundance and distribution of depleted populations of wild and domesticated species is increased by at least 20 per cent by 2030, and their genetic diversity is safeguarded.

At least 90 per cent of genetic diversity among and within all species is safeguarded, enhancing their adaptive potential.

The ~~[[socio]-ecological-[resilience]]~~ integrity ~~[-, area]~~ and connectivity of [all] ~~[[both natural [and managed] terrestrial and marine ecosystems, including inland water and coastal area, freshwater, coastal and marine] ecosystems is [maintained-or] enhanced [-with no further loss of highly intact or threatened ecosystems], [preventing collapse-of]]~~ all ecosystems is maintained

¹ Pending the need for consideration of numerical aspects for all the goals (A to D). Furthermore, there is no hierarchy among the goals, and each of the goals must not be met at the expense of another. Numbers are indicative and have not been discussed.

or enhanced, increasing[, ensuring] [increasing the area,] connectivity [and integrity of these ecosystems]] [and increased- ing] [by at least {5} per cent by 2030 [improve resilience in the most vulnerable ecosystems] and {15}{20} per cent by 2050] [the area and[, the ecological integrity] of a full range of natural ecosystems] [the protection of threatened or restoration of depleted ecosystems.]

The overall extinction risk of threatened taxa is reduced by at least 20% by 2030, and the human-induced extinction of all species is halted.

The [human induced] extinction of all [known threatened] species [is [minimized][halted] [[overall] extinction risk is reduced for at least 20% of threatened taxa by 2030] [having by 2030 halted or reversed the increase in the extinction rate]. The [average] abundance and distribution of depleted populations of [wild [and domesticated][all]] [native] species is increased by at least 20 per cent by 2030 [maintained at or enhanced] to healthy and resilient levels[,], and their genetic diversity [and adaptive potential] is safeguarded[, to [maintain][ensure] their adaptive potential]] [with[.].

[All genetically distinct populations and] [[[a] A]t least {90}{95}{X} per cent of] genetic diversity among and within [all][known] [populations of] [wild and domesticated] species is [maintained][safeguarded, enhancing maintaining their adaptive potential].]

Alt 7. Biodiversity is conserved, maintaining and enhancing the [area,] connectivity [, restoration] and integrity of all [terrestrial, freshwater, coastal and marine] ecosystems [and reducing the risk of ecosystem collapse], halting [from now] [human induced] extinctions [and reducing extinction risk [[to zero by 2050]], supporting healthy and resilient populations of [native] species, maintaining genetic diversity of populations and their adaptive potential [numerical values to be added].

GOAL B

Biodiversity is sustainably used and managed, ensuring that nature's contributions to people are valued, enhanced and maintained through including conservation and restoration, supporting the global development agenda for the benefit and the right to a clean, healthy and sustainable environment of all, including future generations.

Nature and its contributions to people are fully accounted for and guide all relevant public and private decisions.

Alt 1. Biodiversity is sustainably used and managed, ensuring that nNature's contributions to people [, including ecosystem services] are valued, enhanced and maintained through including conservation and[, restoration and sustainable use, supporting the global development agenda for the benefit of all [present and future generations] [and the right to a clean, healthy and sustainable environment of all, including future generations].

Nature and its contributions to people are fully accounted for and guide all relevant public and private decisions.

Alt 2. Biodiversity is sustainably used and managed [ensuring the long term integrity of ecosystems], and [nature's contributions to people][, including] ecosystem services are valued, maintained and enhanced, achieving sustainable development [with those ecosystem services currently in decline being restored by 2030] [[in an equitable manner] and achieving a reduction of ecological footprint [in an equitable manner] of [X%] by 2030 and of [Y%] [within planetary boundaries by 2050.]] [and [the fulfilment of all human rights including] the right to a clean, healthy and sustainable environment].

GOAL C

The monetary and non-monetary benefits from the utilization of genetic resources are shared fairly and equitably and are substantially increased thereby contributing to the conservation and sustainable use of biodiversity.

[Alt 4. The sustainable utilization of genetic resources and in turn the monetary and non-monetary benefits from their uses are substantially increased and will be shared fairly and equitably thus contributing to the conservation of biodiversity.]

~~[A/t 1. The benefits arising from the sustainable use of biodiversity, including biological and genetic resources, [and its derivatives,] digital sequence information and associated traditional knowledge are shared fairly and equitably, [in particular with indigenous peoples and local communities] with a substantial increase in monetary and non-monetary benefits shared, thereby contributing to the conservation and sustainable use of biodiversity and alternative international ABS instruments.~~

~~A/t 2. Monetary and non-monetary benefits arising from the utilization of genetic resources [in any format] and/or traditional knowledge associated with genetic resources are [substantially increased and] shared fairly and equitably [with an increase in open and appropriate access] [and contribute to] [for] the conservation and sustainable use of biodiversity in support of the SDGs.~~

~~A/t 3. The monetary and non-monetary benefits from the utilization of genetic resources [in any form] are shared fairly and equitably and are substantially increased, [thereby contributing to the conservation and sustainable use of biodiversity].~~

[A/t 4. The sustainable utilization of genetic resources and in turn the monetary and non-monetary benefits from their uses are substantially increased and will be shared fairly and equitably thus contributing to the conservation of biodiversity.]

GOAL D

In accordance with Article 20 of the Convention, the gap between available financial resources and other means of implementation, and those necessary to achieve the 2050 Vision and the goals and targets of the post-2020 global biodiversity framework, is closed, prioritizing a significant increase in public resources, and through direct access modalities.

Resources from all sources have been significantly increased by US\$ 1.6 trillion by 2030 and [US\$] [to levels commensurate to meet the goals and vision] by 2050, financing harmful to biodiversity is reduced by US\$ 14.4 trillion by 2030 and eliminated by 2050. Non-financial means of implementation have been significantly increased, enhancing capacity building and development, technical and scientific cooperation, and technology transfer. All financial resources, including public and private financial flows, are aligned with the 2050 Vision and the goals and targets of this framework, and effective mainstreaming of biodiversity across all policies and sectors is achieved.²

~~[In accordance with Article 20 of the Convention,] [Building on past investments,] [By 2050,] [Address] the [biodiversity finance] gap [between available financial resources [from all sources] and other means of implementation, and those necessary] to achieve the 2050 Vision and the goals and targets of the post-2020 global biodiversity framework, [is closed], [prioritizing a significant increase in public resources, and through direct access modalities.~~

~~] [and by 2030,] Resources from all sources have been significantly increased [including non-financial means of implementation [by US\$1.6 trillion] by 2030 and [US\$] [to levels commensurate to meet the goals and vision] by 2050] [by % of GDP and used efficiently and effectively], [financing harmful to biodiversity is] [reduced by US\$14.4 trillion] by 2030 and [eliminated] by 2050]. Non-financial means of implementation have been significantly increased, and enhancing capacity building and development, technical and scientific cooperation, and technology transfer. and [a All financial resources, including] public and private financial flows, are aligned with [the 2050 Vision and the goals and targets of this framework, [and effective mainstreaming of biodiversity across all policies and sectors [across all national levels] is achieved]] [biodiversity objectives] [CBD objectives].~~

~~A/t 1. [Building on past investments,] National and international public and private financial flows are aligned with the [post-2020 global biodiversity framework and the] Vision of Living in Harmony with Nature, [and in ways consistent with nature-positive, carbon neutral, and pollution-free development pathways] harmful flows have been [[identified,] [reformed or [eliminated]] removed] [reduced], resources from all sources [including non-financial means of implementation] have been increased, and efficiently deployed, biodiversity values have been mainstreamed [across all policies and sectors] [enhance the capacity building and development, technical and scientific cooperation, and technological transfer], and the necessary enabling policies, transparency requirements, and other means of implementation have been secured.~~

² Pending the need for consideration of numerical aspects for all the goals (A to D). Furthermore, there is no hierarchy among the goals, and each of the goals must not be met at the expense of another. Numbers are indicative and have not been discussed.

Alt 2. ~~[Building on past investments,]The gap between available financial resources [from all sources] and other means of implementation necessary to achieve the [2050 Vision[and the targets of the post-2020 global biodiversity framework]] [post-2020 global biodiversity framework] is [closed]], in an efficient and effective way]] [national and international public and private financial flows are aligned with the 2050 Vision]] [and in ways consistent with nature-positive, carbon neutral, and pollution-free development pathways]] [addressed] [, including by [significantly and progressively] increasing financial resources, capacity building, [technical assistance] and technology transfer [and the effective mainstreaming of biodiversity across all policies, sectors and national levels] provided for implementation in developing countries]].~~

Alt 3. ~~Adequate [means of implementation and] resources [numerical values to be added] to fully implement the GBF are secured [from all sources] and are accessible to all Parties [in accordance with Article 20 of the Convention] [with public and private financial flows aligned with the 2050 Vision]] [and in ways consistent with nature-positive, carbon neutral, and pollution-free development pathways].~~

Alt 4. ~~The 2050 Vision of Living in Harmony with Nature is achieved with the support of the [global biodiversity fund], [significantly and progressively] increasing multilateral financial resources, capacity building and technology transfer provided for developing country Parties.~~

TARGET 1

Ensure that all terrestrial and marine ecosystems, including inland water and coastal areas, globally are under effective management processes, including integrated biodiversity-inclusive, equitable and participatory landscape-level spatial planning, improving connectivity and fully respecting human rights.

~~[Ensure that [all terrestrial and marine ecosystems, including inland water and coastal areas,] [at least X%] [[terrestrial, inland water,]] [and] freshwater, marine [and coastal]] [[land and [sea]/[ocean]] areas]] [[ecosystems] globally are under [effective management processes, including] integrated biodiversity [driven and] inclusive, equitable [and participatory] [landscape-level] spatial planning [and/or effective management processes]], [improving connectivity], [to minimize the impact of sectors responsible for]/[addressing] land- [freshwater-] and sea-use change, [and that unavoidable impacts from infrastructure is minimized] [retaining [existing] [intact [ecosystems and]] [and wilderness areas], including [primary forests] [threatened, primary ecosystems]]], [including] [areas of high biodiversity [value]/[importance]] [and the places most important for delivering ecosystem [functions and] services]/[nature's contributions to people]]]] [enhancing the sustainable management of natural ecosystems and the capacity to [map, monitor and assess, on a regular basis, the provision of]/[provide] ecosystem [functions and] services], [improving connectivity,] [sustaining ecosystem [functions and] services, avoiding fragmentation, and reducing pressures on vulnerable ecosystems] [, in the context of sustainable development and poverty eradication,]] [and taking into account]/[in line with] sovereign rights and]] [national circumstances] [and fully respecting human rights] the [customary] rights of Indigenous Peoples and local communities]], in accordance with national legislation [and international obligations]]].~~

Alt 1. ~~[Address land and sea use change, retaining critical and vulnerable ecosystems and intact and wilderness areas, minimizing loss of other natural and semi-natural ecosystems, as well as territories governed or managed by indigenous peoples and ensure that all land and marine areas globally are under integrated biodiversity-inclusive spatial planning, while safeguarding the interests and rights of IPLCs in accordance with UNDRIP and international human rights law.]~~

Alt 2.

~~1a [Ensure that terrestrial freshwater marine and coastal areas globally are under integrated biodiversity-inclusive spatial planning areas addressing land and sea use change]~~

~~1b [Retain existing intact and wilderness areas, taking into account the customary rights of IPLCs]~~

Alt 3. ~~[Ensure that land and ocean ecosystems globally are under participatory and inclusive spatial planning, halting land and sea use change, through integrated landscape management, retaining existing intact and wilderness areas, including through customary sustainable practices of IPLCs and respecting their rights.]~~

Alt 4. ~~[The loss in area and ecological integrity [and connectivity] of highly intact terrestrial, [inland water] and marine ecosystems[, in particular the most vulnerable and threatened ecosystems, including intact ecosystems and primary forests] due to land and sea use change is halted from [2020/2022] through effective management processes, including integrated, equitable and biodiversity-inclusive spatial planning]~~

TARGET 2

Ensure that at least 30 per cent of degraded terrestrial and marine ecosystems, including inland water and coastal areas, are under effective and close-to-nature restoration, ensuring ecosystem connectivity, enhancing ecosystem functions and with particular focus on priority ecosystems.

Ensure that ~~[at least 20]~~30 per cent ~~[globally]~~ of ~~[at least 1 billion hectares of]~~ degraded terrestrial and marine ecosystems, including inland water and coastal areas, ~~]~~ ~~[[and]/[with a focus on] threatened [freshwater, [coastal], marine and] terrestrial [and marine] ecosystems[, including agricultural soils] [and X billion hectares of degraded marine and coastal ecosystems]~~ are under ~~[active]~~effective and close-to-nature~~[ecological]~~ restoration ~~[measures] [at the national level][at the landscape- and seascape-scale],~~ ensuring ~~[including a focus on restoration [including land and landscape restoration,] into natural and [semi-natural] ecosystems, and to support [climate change adaptation and mitigation]/[nature's contributions][, achieving land degradation neutrality] and~~ ecosystem connectivity, ~~[and integrity] / [enhancing biodiversity and ecosystem [functions and] services], [improving]/[ensuring]/[enhancing] [ecosystem integrity and] connectivity] [[among them and focusing]/[[with a particular focus] on priority ecosystems [through providing an atmosphere for fair mobilization of international resources and transfer of necessary technologies, among others]/[enhancing the ecological integrity of priority ecosystems] [and [bio-cultural] ecosystems managed by IPLCs], [[improving]/[ensuring]/[enhancing] [ecosystem integrity and] connectivity]][, taking into account their natural state as a baseline][, with the full and effective participation of IPLCs].~~

A/# 1. [Increase the ecological integrity of at least 20% of degraded terrestrial, freshwater and marine areas globally from 2020/2022] through effective ecological restoration, focusing on areas of particular importance for biodiversity]

A/# 2. [Bring under restoration at least 20% each of degraded freshwater, marine, and terrestrial ecosystems, improving ecosystem integrity and focusing on priority ecosystems]

TARGET 3

Ensure that at least 30 per cent globally of terrestrial and marine ecosystems, including inland water and coastal areas, and especially areas of particular importance for biodiversity and its contributions to people, are conserved through effectively managed and equitably governed, ecologically representative and well-connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider land- and seascapes [and national and regional ecological networks], recognizing that national contributions to this global target will be decided according to national priorities and capabilities, with full respect for human rights, including the rights of IPLCs and their land and territories, respecting their right to free, prior and informed consent.

~~[Ensure that][ecosystems, habitats and the biodiversity they contain are maintained and restored by conserving]]/[enable] at least {30 per cent} globally of terrestrial and marine ecosystems, including inland water and coastal areas,][, at the national level,] of [terrestrial, [and] [freshwater]/[inland water] and marine [and coastal] areas] [land areas and of [[sea]/[marine] areas]/[the ocean]], respectively]], [inclusive of areas that are already protected and conserved,] especially areas[, at the national level,] of particular importance for biodiversity and [ecosystem [functions]/[services] and] [its contributions to people], are [effectively] conserved [and sustainably used] through [effectively]/[well-] managed and equitably governed, ecologically representative and well-connected [systems]/[networks] of protected areas and other effective area-based conservation measures, [that prohibit environmentally damaging activities], [including indigenous territories, when applicable,] and integrated into the wider land-]/[scapes] and seascapes [and national and regional ecological networks], [while ensuring that sustainable use of these areas, if in place, contributes to biodiversity conservation,] [recognizing the contribution of IPLCs to their management, and ensuring the rights of IPLCs in accordance with UNDRIP and international human rights law]][[bearing in mind]/[recognizing] that national contributions to this global target will be decided according to national priorities and capabilities, in accordance with the principles of the Rio Declaration, with adequate safeguards for the rights of IPLCs and the rights to development, will not affect the rights or ability of all Parties to access financial and other resources required for the effective implementation of the whole GBF] [giving effect to]/[respecting]/[ensuring]/[with full respect for~~

human rights, including ~~fully respecting and upholding~~ the rights of Indigenous Peoples and local communities ~~and, including their land and territories~~, ~~respecting their~~ including the right to ~~free, prior and informed consent, free prior and informed consent and approval~~, ~~in light of national circumstances and with respect for national legislation~~.

TARGET 4

Ensure effective management actions to enable the recovery and conservation of species, increasing the abundance and distribution of depleted populations of wild and domesticated species by at least 20 per cent, reducing the overall extinction risk of threatened taxa by at least 20 per cent, and safeguarding the genetic diversity of wild and domesticated species to enhance their adaptive potential, including through in situ and ex situ conservation. Effectively manage human-wildlife interactions to avoid or significantly reduce human-wildlife conflicts, including by ensuring the customary rights of, and access and use by, IPLCs.

~~Ensure effective active~~~~Undertake urgent~~ ~~and sustainable~~ management actions ~~on a scale sufficient~~ ~~to~~ ~~enable~~ ~~achieve~~ the recovery and conservation of ~~threatened~~ species, ~~increasing the abundance and distribution of depleted populations of wild and domesticated species by at least 20 per cent, and the population abundance of native species and maintain the genetic diversity of all species~~~~in particular threatened species~~, and the genetic diversity of ~~native~~ wild and domesticated ~~cultivated~~ ~~all~~ ~~native~~ ~~and domesticated~~ species ~~populations~~, ~~to maintain their adaptive potential~~ including through in situ ~~conservation, supported by~~ ~~and~~ ex situ conservation ~~and restoration of genetically depleted populations~~ ~~reducing~~ ~~preventing~~ the overall extinction risk of ~~human-induced extinctions of known~~ threatened taxa species by ~~X~~ at least 20 per cent, and safeguarding the genetic diversity of wild and domesticated species to enhance their adaptive potential, including through in situ and ex situ conservation. ~~reducing human-induced species extinctions risk~~, ~~and~~ ~~effectively~~ manage human-wildlife interactions ~~to avoid or significantly reduce human-wildlife conflicts~~, ~~including by preventing activities that damage ecosystems and habitats and ensuring the customary rights of, and access and use by, indigenous peoples and local communities~~. ~~to enhance human-wildlife co-existence~~. ~~to the benefit of both humans and wildlife~~ ~~minimizing harm to native wildlife from human-wildlife interactions~~

~~A/t.1 [Extinctions of known threatened species prevented, the average population abundance of depleted species increased by X per cent and the risk of human-driven species extinctions reduced by X per cent, safeguarding genetic diversity.]~~

TARGET 5

Ensure that the harvesting, trade and use of wild species is sustainable, non-detrimental, legal, and safe for [human][planetary] health, while safeguarding the customary sustainable use of IPLCs.

~~Prevent overexploitation by ensuring~~~~Ensure~~ that ~~any~~~~the~~ ~~harvesting~~~~exploitation~~, ~~capture~~ ~~breeding~~~~farming~~, trade and use of ~~terrestrial, and aquatic~~~~freshwater~~~~inland water~~ and ~~marine and coastal~~, wild ~~animal and plant~~ species, ~~including eggs, fries, parts and derivatives~~, is sustainable, ~~non-detrimental~~, ~~and legal~~ ~~and safe for target and non-target species~~ ~~effectively regulated~~ ~~and traceable~~, ~~minimizing impacts on non-target species and ecosystems~~ ~~without adverse effects on the populations of species~~, ~~and safe for~~ ~~human~~~~planetary~~, ~~animal and plant~~ health ~~and poses no risks of pathogen spillover to humans, wildlife or other animals~~ ~~and for all living beings on mother Earth~~, ~~and prevent and eliminate biopiracy and other forms of illegal access to and transfer of genetic resources and associated traditional knowledge~~, while ~~safeguarding the~~ ~~respecting~~~~protecting~~ customary ~~rights and~~ sustainable use ~~of IPLCs~~ ~~and preventing pathogen spillover~~, ~~applies ecosystem-based approaches~~~~the ecosystem approach~~ to management ~~and creating the conditions for the use and provision of benefits for IPLCs~~ ~~and take urgent action to address both demand and supply of illegal wildlife products~~.

~~A/t.1 [Eliminate all harvesting, trade and use of wild terrestrial freshwater and marine species that is illegal, unsustainable or unsafe, while safeguarding the customary sustainable use by IPLCs.]~~

TARGET 6

Identify and manage the pathways for the [human-induced] introduction of alien species, preventing, or reducing their rate of introduction and establishment by at least 90 per cent, and control or eradicate invasive alien species to eliminate or minimize their distribution and impacts, focusing on those that pose significant risks for threatened species or nature's contributions to people, and priority sites.

~~[[Ensure that the]]~~Identify ~~[, prioritize]~~ and manage~~[[Address the drivers and, where possible, manage all]]~~ ~~[the]~~ pathways for the [human-induced] introduction of ~~[invasive]~~ alien species ~~{are identified and managed}~~, preventing, ~~[or]/[and]~~ ~~[significantly]~~ reducing their ~~[the [rate of] [introduction [by at least 50 per cent] and]~~ establishment ~~[by at least 50 per cent]~~, and ~~[detect and]~~ ~~[eradicate]/[effectively manage]~~ or control ~~[priority] or eradicate~~ invasive alien species to eliminate ~~or~~, minimize ~~or [reduce]/[mitigate]~~ their ~~distribution [coverage and]~~ impacts~~[, supporting innovation and the use of new tools] [by at least by 75 per cent]~~, ~~[focusing on [those that pose significant risks for threatened species or nature's contributions to people, ecosystem services]/[nationally identified priority [invasive] alien species], in particular those with a higher invasive potential,]~~ and priority ~~[sites, such as islands] [for biodiversity]]/[ecosystems]]~~.

~~Alt.1 [Eliminate or reduce the impacts caused by invasive alien species on native biodiversity, by managing pathways for the introduction of alien species, preventing the introduction and establishment of all priority invasive species, reducing the rate of introduction of other known or potential invasive species by at least 50 per cent and eradicating or controlling invasive alien species]~~

TARGET 7

Reduce pollution from all sources to levels that are not harmful to biodiversity and ecosystem functions and human health, including by reducing nutrient loss to the environment by at least half, and chemicals, in particular pesticides harmful to biodiversity, by at least two thirds, and eliminating plastic waste.

Reduce pollution from all sources to levels that are not harmful to biodiversity and ecosystem functions and human health, including by ~~[significantly]~~ reducing nutrients ~~lost~~ to the environment ~~[by at least half]~~, and chemicals, in particular pesticides, harmful to biodiversity, ~~[by at least two thirds.]~~ and eliminating ~~the discharge of~~ plastic waste.

TARGET 8

Minimize the impact of climate change on biodiversity, contribute to mitigation, adaptation and resilience including through the conservation and restoration of natural carbon sinks and other ecosystem-based approaches, and ensure that all mitigation and adaptation efforts avoid negative impacts on biodiversity.

Minimize the impact of climate change on biodiversity, contribute to mitigation, adaptation and resilience including through ~~[nature-based solutions]~~ ~~and~~ the conservation and restoration of natural carbon sinks and other ~~[ecosystem-based approaches]~~, and ensure that all mitigation and adaptation efforts avoid negative impacts on biodiversity.

TARGET 9

Ensure all management and uses of wild terrestrial and marine, including inland water and coastal, species are sustainable, thereby safeguarding nature's contributions to people, especially those in vulnerable situations, while safeguarding the customary sustainable use by IPLCs.

~~[[Ensure all management and uses] [Significantly increase the contribution of sustainable bioeconomy including through the use] of wild [terrestrial, freshwater and marine, including inland water and coastal area,] species are sustainable, [Ensure benefits such as food security, water, livelihoods, for those most dependent on biodiversity through sustainable management and use of wider landscapes and seascapes], thereby safeguarding nature's contributions to people providing social, economic and environmental benefits for all people, especially those in vulnerable situations, while safeguarding the customary sustainable use by indigenous peoples and local communities.]~~

TARGET 10

Ensure that all areas under agriculture, aquaculture and forestry are managed sustainably, in particular through the sustainable use of biodiversity, contributing to the long term resilience of these systems, conserving and restoring biodiversity and maintaining nature's contribution to people.

~~[[Ensure that [all] areas under agriculture, aquaculture, [fisheries], and forestry [and other productive uses] are managed sustainably, in particular through the sustainable use of biodiversity, contributing to [the long term] [efficiency, productivity] and resilience of these systems, conserving and restoring biodiversity and maintaining [its ecosystem services] [nature's contribution to people, including ecosystem services]].~~

TARGET 11

Restore, maintain and enhance nature's contributions to people, such as the regulation of air, water, soil health, pollination and climate, as well as protection from natural hazards and disasters, through ecosystem-based approaches, for the benefit of all people and nature.

~~[[Restore, maintain and enhance ecosystem functions and services [nature's contributions to people, including ecosystem functions and services,] such as the regulation of air, and water, soil health, [pollination], and [climate], as well as protection from natural hazards and disasters, through [nature-based solutions and ecosystem-based approaches], [rights-based approaches and mother earth-centered actions] [through payment for environmental services] for the benefit of all peoples and nature.]~~

TARGET 12

Significantly increase the area and quality of, access to, and benefits from green and blue spaces in urban and densely populated areas and ensure that urban planning is biodiversity inclusive, enhancing native biodiversity and ecological connectivity, and improving human health and wellbeing.

~~[[Significantly increase the area and quality of, access to, and benefits from green and blue spaces [and infrastructure] in urban and densely populated areas [and ensure connectivity by mainstreaming the conservation and sustainable use of biodiversity]] and ensure that biodiversity inclusive urban planning is biodiversity inclusive], enhancing native biodiversity~~

and; ecological connectivity ~~[and integrity], [connection to nature]~~ and improving human health and wellbeing ~~[while safeguarding livelihoods of rural communities] and contributing to inclusive and sustainable urbanization and the provision of ecosystem functions and services.]~~

TARGET 13

Adopt and implement effective legal, policy, and administrative measures at the international and national level to facilitate the fair and equitable sharing of benefits from the utilization of genetic resources and as relevant from the use of traditional knowledge by increasing capacity development, technical and scientific cooperation, and technology transfer.

[13ter. By 2023 establish a Global Multilateral Benefit-Sharing Mechanism that is fully operational by 2025, and encourage all Parties to ratify the Nagoya Protocol and other relevant international access and benefit-sharing agreements.]

~~[[Adopt and implement effective legal, policy, and administrative and capacity building measures at the international and [global], regional, [subregional], national, and local levels to [facilitate environmentally sound uses by other contracting Parties] [support the development and appropriate] [facilitate the appropriate] access to genetic [and biological] resources [and derivatives] and traditional knowledge associated with genetic resources [including free and prior informed consent], [prior and informed consent, free prior and informed consent or approval and involvement] to ensure the fair and equitable sharing of benefits that arise from the utilization of all of the above [including DSI] [in any form] in accordance with [international access and benefit sharing instruments [obligations]] [the obligations under the Nagoya Protocol, the Convention on Biological Diversity and other relevant access and benefit sharing multilateral agreements and instruments] [while encouraging all Parties to ratify the Nagoya Protocol and other relevant international access and benefit sharing agreements].]~~

~~[13bis- Facilitate the fair and equitable sharing of benefits arising from the utilization of genetic resources and as relevant from the use of traditional knowledge by increasing capacity development, technical and scientific cooperation, and technology transfer, [on mutually agreed terms] to develop and implement access and benefit measures/mechanisms at the national [and local] level].~~

~~[13bis.a/ Substantially increase the fair and equitable sharing of benefits arising out of the utilization of genetic resources in any form, and as relevant, of associated traditional knowledge, ensuring that resources from benefit sharing reach, by 2030, an amount equal to at least X per cent of the total amount of international public biodiversity finance for developing countries, contributing to the conservation and sustainable use of biodiversity]~~

~~[13ter. By 2023 establish a Global Multilateral Benefit-Sharing Mechanism that is fully operational by 2025, and encourage all Parties to ratify the Nagoya Protocol and other relevant international access and benefit-sharing agreements].]~~

TARGET 14

Ensure the full integration of biodiversity and its diverse values into policies, regulations, planning and development processes, poverty reduction strategies, accounts, and environmental impact assessments, across all levels of government and [across all] sectors of the economy, aligning all public and private activities, fiscal and financial flows with the goals and targets of this framework.

~~[Ensure the full integration of] [Fully integrate] biodiversity and its [multiple] diverse values into policies, regulations, planning and development processes, poverty reduction strategies, [accounts,] and environmental impact assessments, across all levels of government and [across all] sectors of the economy, [progressively] aligning all public and private activities, [fiscal] and financial flows with the goals and targets of this framework [and the Sustainable Development Goals].~~

- ~~• sectoral mainstreaming~~
- ~~• biodiversity objectives~~

- ~~multiple biodiversity values and commitments in accordance with the different approaches, visions, models and tools available to each country, in accordance with national circumstances and priorities, to achieve sustainable development~~
- ~~budgeting~~
- ~~list of sectors + deep sea mining~~
- ~~changing order of the target~~
- ~~to support sustainable development~~
- ~~recognize biodiversity as a strategic asset for the economy~~
- ~~strategic environmental assessments~~
- ~~investment and public procurement~~

TARGET 15

Ensure through mandatory requirements that all businesses and financial institutions, especially those with significant impacts on biodiversity, assess, monitor, and disclose regular evaluations on their access-and-benefit-sharing compliance, and dependencies and impacts on biodiversity and human rights, reduce negative impacts on biodiversity by at least half, and increase positive impacts on biodiversity through the regulation of their activities, including through penalties for infractions, assuring liability and redress for damage, and by addressing conflicts of interest, reduce biodiversity-related risks to businesses and financial institutions and supporting the circular economy, move towards sustainable patterns of production and extraction, sourcing, supply chains, use and disposal.

~~[[Increase significantly the number or percentage of] [Take legal, administrative and policy measures to] [Ensure through mandatory requirements that [all]] businesses and financial institutions [, especially [large and economically significant businesses] [those with significant impacts on biodiversity,]] [assess, monitor, and [disclose]]]regular evaluations] and [transparently report] [and accept responsibility for their] on their access-and-benefit-sharing compliance, and dependencies and impacts on biodiversity, and human rights, [and the rights of mother earth] [across operations, value chains and portfolios,] reduce [and manage] negative impacts on biodiversity [by at least half], [ensuring ABS compliance and reporting,] and increase positive impacts on biodiversity [, ensuring legal responsibility and accountability, through the regulation of their activities, including through imposing penalties for infractions, assuring ensuring liability and redress for damage and by addressing conflicts of interest, reduce] ingreducing biodiversity-related risks to businesses and financial institutions and supporting the circular economy, move [ingmoving towards [sustainable patterns of production and extraction] the full sustainability] [of extraction and production practices], sourcing, supply chains, use and [disposal], [providing information needed to consumers to enable public to make responsible consumption choices that are biodiversity positive] [following a rights-based approach] consistent and in harmony with the Convention and other relevant international obligations, together with Government regulation.]~~

~~Alt: [Encourage business and financial institutions to adopt [sustainable practices resulting on benefits to biodiversity] [biodiversity positive practice] and report on their dependencies and impacts on biodiversity.]~~

TARGET 16

Ensure, in accordance with fairness and equity, that people are encouraged and enabled to make sustainable choices by establishing supportive policy, legislative or regulatory frameworks, improving education, and access to relevant information and alternatives, taking into account cultural preferences, to reduce by at least half waste including at least half of food waste, and where relevant, eliminate the overconsumption of natural resources.

Ensure, in accordance with fairness and equity, that ~~[all consumers]~~ [people] are encouraged and enabled to make ~~[sustainable]~~ ~~[and]~~ ~~[responsible]~~ ~~[consumption]~~ choices ~~[including]~~ by ~~[establishing supportive policy, legislative or regulatory frameworks], improving [environmental] education, and access to relevant [accurate and verified] information and alternatives, [and promote sustainable consumption of products and services] [in accordance with fairness and equity], [taking into account [historical patterns of production and consumption, and] cultural [, economic and social] [preferences] [to halve the global footprint of diets, aligning human and planetary health, halve per capita global food waste, substantially reduce waste generation and reduce the net global consumption of all materials by 40 per cent while making consumption patterns more equitable] [and socio-economic conditions][context]], [to move towards more sustainable patterns of consumption], to [and progressively] reduce [by at least half] ~~[the] [food] waste [including at least half of food waste] [and significantly reduce all waste], and where relevant, [eliminate of the overconsumption of natural resources] [overconsumption of food] [and other materials][and products]], in order for all peoples to live well in harmony with mother earth] [to halve global per capita food waste and substantially reduce waste generation].~~~~

TARGET 17

Establish, strengthen capacity for, and implement science-based measures in all countries to prevent and manage potential adverse impacts of biotechnology including synthetic biology and other new genetic techniques on biodiversity and human health, avoiding or minimizing the risk of these impacts through including implementing of horizon scanning, monitoring and assessment, ensuring liability and redress from damage, while recognizing the potential benefits of biotechnology towards achieving the objectives of the Convention.

[Alt 1. Recognize and encourage potential benefits of biotechnology towards achieving the objectives of the Convention, and establish, strengthen capacity for, and implement appropriate science-based measures in all countries to prevent and manage potential adverse impacts of biotechnology, including synthetic biology and other new genetic techniques, on biodiversity and human health.]

[Alt 2. Establish, strengthen capacity for, and implement science-based measures in all countries to reap the benefits of biotechnology towards achieving the objectives of the Convention. At the same time implement measures to assess and manage potential adverse impacts of biotechnology, including synthetic biology and other new genetic techniques, on achieving the objectives of the Convention.]

Establish, strengthen capacity for, and implement ~~[science-based]~~ ~~[environmental risk assessment]~~ measures in all countries ~~[based on the precautionary approach] to [prevent and,] manage [or control] potential [adverse] impacts of [living modified organisms [resulting from]] [biotechnology] [including synthetic biology and other new genetic techniques] on biodiversity [and], [taking also into account the risks to] human health [following risk assessment procedures], [taking also into account socio-economic considerations] [reducing] [avoiding or minimizing] [the risk of these impacts] [through including] implementing of horizon scanning, monitoring and assessment, ensuring liability and redress from damage, [while recognizing [and encouraging] the potential benefits of [the application of modern] biotechnology towards achieving the objectives of the Convention [and for meeting the food, health and other needs of the growing world population]].~~

[Alt 1. Recognize and encourage potential benefits of biotechnology towards achieving the objectives of the Convention, and establish, strengthen capacity for, and implement appropriate science-based measures in all countries to prevent and manage potential adverse impacts of biotechnology, including synthetic biology and other new genetic techniques, on biodiversity and human health.]

[Alt 2. Establish, strengthen capacity for, and implement science-based measures in all countries to reap the benefits of biotechnology towards achieving the objectives of the Convention. At the same time implement measures to assess and manage potential adverse impacts of biotechnology, including synthetic biology and other new genetic techniques, on achieving the objectives of the Convention.]

TARGET 18

Identify by 2025 and, by 2030, eliminate or reform all direct and indirect incentives harmful for biodiversity, in a just, effective and equitable way, reducing them by at least US\$ 1.8 trillion per year, starting with the most harmful subsidies, and redirect and repurpose them considering ecological criteria, and ensure that positive incentives are scaled up.

~~Identify, redirect, repurpose to nature-positive activities, domestically and internationally, Eliminate, substantially phase out or reform incentives harmful for biodiversity, including all harmful subsidies in a just, effective and equitable way, in a manner consistent with WTO rules, taking into account national socio-economic conditions, while substantially and progressively reducing them by at least US\$ 500 billion per year, including all of the most harmful subsidies, and ensure that financial savings are channeled to support biodiversity prioritizing the stewardship of IPLCs, smallholder producers, and women and ensure that positive incentives, including public and private economic and regulatory incentives, are scaled up, consistent and in harmony with the Convention and other relevant international obligations.~~

~~Alt 1. Identify by 2025 and, by 2030, eliminate, phase out or reform all direct and indirect subsidies incentives harmful for biodiversity, taking into account national socio-economic conditions, in a proportionate, just, effective and equitable way, in a manner consistent with WTO rules, while substantially and progressively reducing them at an absolute minimum annual spend by at least US\$ 1.8 500 billion trillion per year, starting with the most harmful subsidies, in particular fisheries and agricultural subsidies and, as appropriate, redirect and repurpose them considering ecological criteria to nature-positive activities, domestically and internationally, and ensure that all positive incentives, including public and private economic and regulatory incentives, are either positive or neutral for biodiversity, including payments for environmental services scaled up, consistent and in harmony with the Convention and other relevant international obligations.~~

~~Alt 2. Identify and eliminate, redirect or repurpose to nature-positive activities, incentives harmful for biodiversity including all harmful subsidies and ensure that positive incentives are scaled up, consistent and in harmony with the Convention and other relevant international obligations.~~

TARGET 19.1

Increase financial resources from all sources by at least US\$ 200 billion per year, including new, additional, innovative and effective, timely and easily accessible financial resources by (a) increasing international financial flows to developing countries and IPLCs, through direct access modalities, by at least US\$ 10 billion per year, (b) leveraging private finance, (c) increasing domestic resource mobilization by 1% GDP, and (d) establishing a new international financing instrument, while enhancing the effectiveness, efficiency and transparency of resource use and taking into account the cost of implementation of NBSAPs.

~~In accordance with Article 20 of the Convention, Progressively Increase annual financial resources from all public and private sources by reaching at least US\$ 200 billion per year, by X% global GDP, in accordance with the OECD Outlook to 2030, by 1% GDP by 2030, including new, additional, innovative and effective, timely and easily accessible financial resources by (a) progressively increasing new and additional international public financial resources from developed countries countries with capacity to do so financial flows to developing countries in need of support to deliver on their NBSAPs in light of their capacities and IPLCs, through direct access modalities, reaching by at least US\$ 10 billion per year at an increasing percentage by 2030 in form of international grants to developing countries, acknowledging common but differentiated responsibilities, (b) leveraging private finance, (c) progressively increasing doubling domestic resource mobilization including through addressing sovereign debt in just and equitable ways by 1% GDP by 2030, and (d) establishing a new international financing instrument, (e) building on climate financing while enhancing the effectiveness, efficiency and transparency of resource use and developing and implementing taking into account national biodiversity finance plans or similar instruments the instrument developed to measure the dimension of the local biodiversity financial gap and/or the cost of implementation of NBSAPs.~~

~~Alt 1. In accordance with Article 20, developed country Parties shall provide X USD bn per year in new and additional financial resources to developing country Parties to meet the agreed full incremental costs of implementation of the post-~~

~~2020 GBF, [including through increased funding for the Global Biodiversity Fund,] avoiding double-counting, enhancing transparency and predictability, and stimulating payments for environmental services.]~~

~~A/t 2. [Increase financial resources for biodiversity from all sources, including domestic, international, public and private sources, aligning them with the post-2020 global biodiversity framework. Enhance the effectiveness, efficiency and transparency of such resources use[, through the use of national biodiversity finance plans or similar instruments].]~~

TARGET 19.2

Strengthen capacity-building and development, access to and transfer of technology, and promote development and access to innovation, technology horizon scanning, monitoring, and assessment, and technical and scientific cooperation, including through south-south, north-south and triangular cooperation, to meet the needs for effective implementation, particularly in developing countries, achieving a substantial increase in joint technology development and joint scientific research programmes for the conservation and sustainable use of biodiversity and strengthening scientific research capacities, commensurate with the ambition of the goals and targets of the framework.

Strengthen capacity-building and development, access to and transfer of technology, and promote development and access to innovation, [technology horizon scanning, monitoring, and assessment.] and technical and scientific cooperation, including through south-south, north-south and triangular cooperation, to meet the needs for effective implementation, particularly in developing countries[, achieving a substantial increase in joint technology development and joint scientific research programmes for the conservation and sustainable use of biodiversity and strengthening scientific research capacities.] commensurate with the ambition of the goals and targets of the framework.

TARGET 20

Ensure that quality information and knowledge, including the traditional knowledge, innovations and practices of indigenous peoples and local communities with their free, prior, and informed consent, are available and accessible to decision makers, practitioners and the public to guide decision-making for effective governance, management and monitoring of biodiversity, by strengthening communication, awareness-raising, education, research and knowledge management.

Ensure that quality information and knowledge, including the traditional knowledge, innovations and practices of indigenous peoples and local communities with their free, prior, and informed consent, are available and accessible to decision makers, practitioners and the public to guide decision-making for effective governance, management and monitoring of biodiversity, ~~and~~ by strengthening communication, awareness-raising, education, research and knowledge management.

TARGET 21

Ensure the full, equitable, effective and gender-responsive participation in decision-making and access to justice related to biodiversity by indigenous peoples and local communities, respecting their rights over lands, territories and resources, as well as by women and girls, and youth, while enhancing the engagement of all relevant stakeholders.

Ensure the full, equitable, effective and gender-responsive participation in decision-making [and access to justice] related to biodiversity by indigenous peoples and local communities, respecting their rights over lands, territories and resources, as well as by women and girls, and youth, [while enhancing the engagement of all relevant stakeholders].

NEW TARGET PROPOSAL

[Target 22: Ensure women and girls have equitable access and benefits from conservation and sustainable use of biodiversity, as well as their informed and effective participation at all levels of policy and decision-making related to biodiversity.]

[Target 22: Ensure women and girls **have** equitable access and benefits from conservation and sustainable use of biodiversity, as well as their informed and effective participation at all levels of policy and decision-making related to biodiversity.]

NEW TARGET PROPOSAL

no changes to the below composite text proposed

[*Alt.* Target 14*bis*: By 2030, determine cross-sectoral goals and sector-specific goals for sustainable use, and put in place effective legal and policy measures to achieve them, based on ecosystem approaches, environmental principles and close cooperation with users of biodiversity in order to produce gains for biodiversity and human health and well-being.]