BIODIVERSITY FINANCE REFERENCE GUIDE

BUILDING ON THE GREEN BOND PRINCIPLES AND GREEN LOAN PRINCIPLES

UPDATED: MAY 2023

IFC International Finance Corporation
WORLD BANK GROUP
Creating Markets, Creating Opportunities

BIODIVERSITY FINANCE REFERENCE GUIDE

GB-TAP Green Bond Technical Assistance Program

IFC International Finance Corporation WORLD BANK GROUP
Creating Markets, Creating Opportunities

IN PARTNERSHIP WITH

Kingdom of the Netherlands

Acknowledgements

This reference guide was developed with support from the Green Bond Technical Assistance Program (GB-TAP), a multi-donor program managed and administered by IFC to promote green bond issuance from emerging-market financial institutions. The GB-TAP is funded by the Swiss State Secretariat for Economic Affairs, the Swedish International Development Cooperation Agency, and the Ministry of Finance of Luxembourg. This guide was made possible in part by the generous support of the Ministry of Foreign Affairs of the Netherlands.

Originally published in November 2022, the guide benefited from inputs from the public and private sector, academia, international organizations, civil society representatives, and individuals during the public comment period from June 15 to July 15, 2022.

IFC partnered with the Wildlife Conservation Society for an external expert review of the reference guide.

Following the adoption of the Kunming-Montreal Global Biodiversity Framework in December 2022, IFC consulted with the United Nations Secretariat of the Convention on Biological Diversity (UN SCBD) to prepare the May 2023 update of the guide. The update includes mapping of the indicative investment activities listed in the guide to the targets in the Kunming-Montreal Global Biodiversity Framework.

About IFC

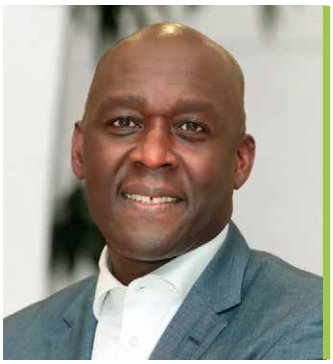
IFC – a member of the World Bank Group – is the largest global development institution focused on the private sector in emerging markets. We work in more than 100 countries, using our capital, expertise, and influence to create markets and opportunities in developing countries. In fiscal year 2022, IFC committed a record $32.8 billion to private companies and financial institutions in developing countries, leveraging the power of the private sector to end extreme poverty and boost shared prosperity as economies grapple with the impacts of global compounding crises. For more information, visit **www.ifc.org**

2121 Pennsylvania Avenue, N.W.
Washington, D.C. 20433
Internet: www.ifc.org

TABLE OF CONTENTS

Foreword

A Win for the Planet and the Private Sector



Makhtar Diop

Managing Director at International Finance Corporation.

In December 2022, at the UN Biodiversity Conference (COP15) in Montreal, more than 180 countries reached a landmark deal – known as the Kunming-Montreal Global Biodiversity Framework – to halt and reverse biodiversity loss by 2030. In the wake of the planet's unprecedented natural crisis, biodiversity loss is now on a par with climate change on the list of priorities for the world to tackle.

The framework emphasizes that biodiversity is both fundamental to a healthy planet and a cornerstone of our economic prosperity while providing practical guidelines on the business case for sustainability. More importantly, it charts a path toward transforming economic activity to reverse the loss of natural resources and calls on all of society – and all economic sectors – to play their part.

And indeed, it is time for the private sector to address the global biodiversity crisis with the urgency it deserves. Therefore, I am particularly encouraged to see large numbers of private companies and financial institutions embrace this critical agenda. The reason is simple. Because changing the way we produce and consume – and shifting to practices that allow nature to regenerate and recover – is both a matter of survival and a multitrillion-dollar investment opportunity.

Still, transforming our economies will require substantial resources. And for the first time, the Kunming-Montreal Global Biodiversity Framework specifically emphasizes the role of biodiversity finance in achieving its objectives and sets a separate target for finance mobilization.

IFC's Biodiversity Finance Reference Guide – the first on the market – was designed to help channel private finance to address the drivers of biodiversity loss, drawing on IFC's pioneering investments in and helping set market standards for green finance. The document provides a set of clear guidelines and an indicative list of investment activities and project components that help protect or enhance biodiversity and promote sustainable management of natural resources.

Since their issuance in November 2022, IFC has integrated the guidelines into its own green bond framework, and the guidelines have been received enthusiastically by the investor community. I trust they will continue to generate interest and, more importantly, pave the way for a substantial increase in biodiversity finance in emerging markets.

We are particularly grateful to the Secretariat of the Convention on Biological Diversity (CBD) for reviewing and supporting this updated version of the guide, which articulates the ways in which companies, financiers, and governments can meet the targets of the Kunming-Montreal Global Biodiversity Framework. We look forward to deepening our collaboration and work to enhance human prosperity and the protection of nature in tandem.

David Cooper

Acting Executive Secretary of the Secretariat of the Convention on Biological Diversity.

Biodiversity is degrading globally at unprecedented rates, accelerating over recent decades due to human pressures and climate change. This stern fact has been amply demonstrated in recent years by the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) in its Global Assessment Report on Biodiversity and Ecosystem Services (2019), and the Secretariat of the Convention on Biological Diversity (CBD)'s fifth Global Biodiversity Outlook (2020). Whilst the impacts of human activities on biodiversity have long been recognized, we have recently seen growing recognition that biodiversity loss, along with climate change and pollution, is threatening our global society and economy. The World Economic Forum has pointed out that "$44 trillion of economic value generation – over half the world's total GDP – is moderately or highly dependent on nature and its services." This quote has drawn the attention of governments and economic actors to the fact that we depend on biodiversity and must protect it in order to protect ourselves. It should not be misinterpreted; our entire economy is dependent on biodiversity, one way or another. The benefits that biodiversity provides are fundamental to all life on earth, including food, clean water, and clean air.

At the 15th Conference of the Parties to the CBD (COP 15), in Montreal, in December 2022, Parties to the CBD – the vast majority of countries worldwide – followed scientific advice and acknowledged the urgency of halting and reversing biodiversity loss, restoring and protecting nature, and sustainably using the resources and benefits it provides. The Kunming-Montreal Global Biodiversity Framework (GBF) is an ambitious, landmark agreement, centered on a collective vision of "living in harmony with nature by 2050." The GBF is supported by four goals for 2050 and 23 action-oriented milestone targets for 2030, including protecting 30% of areas of high biodiversity importance and restoring 30% of degraded areas, on land, waters, and seas. The GBF relies on a whole-of-society approach, whereby all actors of society – governments as well as non-state actors – can, and should, contribute to achieving the 2030 targets and 2050 goals and vision. Businesses and financial institutions have a major role to play in this collective endeavor. They have the power to leverage resources, align financial flows, and invest in the "green economy transition" that the world needs to address today's global sustainability challenges.

The International Finance Corporation's Biodiversity Finance Reference Guide provides pragmatic information for reducing risks to biodiversity, and where possible, generating positive impacts in the real economy. This revision of the guide includes explicit references to the targets, goals, and vision of the GBF, thereby providing businesses and investors with tangible, pragmatic guidance on solutions to align with the GBF within their activities and their investment decisions. The CBD Secretariat welcomes this initiative and encourages every business and financial institution to follow such guidance. Urgent action is needed to halt and reverse biodiversity loss by 2030 and set the world on a path to living in harmony with nature by 2050. We, the people, our governments, and every economic actor worldwide, have a role to play in achieving this ambition.

Summary of May 2023 Updates

Mapping IFC's Biodiversity Finance Reference Guide to the Kunming-Montreal Global Biodiversity Framework

Since the initial publication of the Biodiversity Finance Reference Guide in November 2022, a landmark agreement on global action on nature, the Kunming-Montreal Global Biodiversity Framework (Global Biodiversity Framework or Framework), was reached in December 2022. The Framework was adopted by 188 countries present at the Convention on Biological Diversity (CBD)'s 15th Conference of the Parties (COP 15).

The Global Biodiversity Framework calls for a whole-of-government and whole-of-society approach to achieve the shared vision of "living in harmony with nature by 2050." This vision is supported by four main goals for 2050 and 23 milestone targets for urgent action to halt and reverse biodiversity loss by 2030. The goals and targets encompass conserving and restoring terrestrial and marine areas, halting human-induced extinction of wild species, restoring species populations, promoting sustainable production and consumption patterns, aligning financial flows, mobilizing biodiversity finance, and promoting social equity including equitable access and benefit sharing and protecting the rights of indigenous people and local communities.

Target 14 of the Framework calls for the full integration of biodiversity and its values within and across all levels of government and across all sectors. This includes the integration of biodiversity within financial decision-making and aligning financial flows accordingly. Target 19 focuses on the mobilization of financial resources towards biodiversity, which includes international, domestic, public, and private finance, as well as optimizing co-benefits and synergies of finance targeting the biodiversity and climate crises.

IFC consulted with the United Nations Secretariat of the Convention on Biological Diversity (UN SCBD) while updating the IFC Biodiversity Finance Reference Guide to indicate how the individual indicative investment activities and project components may contribute to achieving the targets set out in the Global Biodiversity Framework. This is reflected in the update to Annex I where a column has been added to map the contribution of the activities and components to the corresponding Global Biodiversity Framework targets.

Furthermore, as a practical guide to financial institutions, investors, and companies to identify investment opportunities to protect, maintain, or enhance biodiversity and ecosystem services, it may be generally considered that the IFC Biodiversity Reference Guide supports the mobilization of financial resources in line with Target 19 of the Global Biodiversity Framework. The guide is also a practical tool for policymakers to design biodiversity finance taxonomies and policies, contributing to Target 14 and the broader alignment of financial flows.

The updated version of the guide also includes the targets in the Kunming-Montreal Global Biodiversity Framework for reference (see Annex II).

INTRODUCTION

Nature, underpinned by biologically diverse ecosystems, is critical to human survival, health, well-being, and economic prosperity. Half of global gross domestic product, or $44 trillion, is generated in sectors such as construction, agriculture, and energy that highly or moderately depend on nature and its services.[1] Two-thirds of food crops rely, at least in part, on animal pollination.[2] This natural capital, along with produced capital, human capital, and nonrenewable natural resources, makes up countries' wealth[3] and generates income that drives economic growth and progress towards achieving the Sustainable Development Goals.

Yet economic activity is causing biodiversity loss at an unprecedented rate through land- and sea-use change, unsustainable use of resources, pollution, and the spread of invasive species.[4] Since 1970, the Living Planet Index, which measures the state of the world's biodiversity, has declined by nearly 70%, with 14 key ecosystem services currently in decline.[5]

Nature loss is fundamentally interconnected with climate change – both crises reinforce each other and present compound and systemic risks. Climate change is a key driver of biodiversity loss, which diminishes ecosystems' ability to provide climate change mitigation and adaptation benefits. This in turn intensifies the impacts of climate change, resulting in a vicious cycle of escalating effects.

Restoring biodiverse ecosystems is a cost-effective way of building resilience and the ability to adapt to the physical impacts of climate change. It also provides a way to substantially reduce carbon emissions to meet the goals of the Paris Agreement. Realizing these benefits will require transitioning our economies to sustainable production practices that help halt and reverse biodiversity loss.

Sustainable practices must address the key drivers of biodiversity loss and protect and enhance ecosystems. Strategic investment in this transition – with measures in place to ensure it is equitable and inclusive – can create long-term, local value. A sustainable transition of food, land and ocean use, infrastructure and the built environment, and energy and extractives could create $10.1 trillion in annual business opportunities, 395 million new jobs by 2030, and significant opportunities for income diversification, which supports the growth of local economies.[6]

[1] http://www3.weforum.org/docs/WEF_New_Nature_Economy_Report_2020.pdf
[2] https://www.weforum.org/reports/new-nature-economy-report-ii-the-future-of-nature-and-business
[3] https://www.weforum.org/reports/new-nature-economy-report-ii-the-future-of-nature-and-business
[4] https://ipbes.net/global-assessment
[5] https://www.zsl.org/sites/default/files/LPR%202020%20Full%20report.pdf
[6] https://www.weforum.org/reports/new-nature-economy-report-ii-the-future-of-nature-and-business

Finance and innovative financial solutions are key to supporting the transition to nature-smart production practices and deploying nature-based climate solutions. Biodiversity finance – defined as finance that contributes or intends to contribute to activities that conserve, restore, or avoid a negative footprint on biodiversity and ecosystem services[7] – has emerged as a fast-growing area in green finance. There is increased interest in financing the transition to nature-smart economic activity from investors, financial institutions, and bond issuers globally. This interest has been bolstered by the adoption of the Kunming-Montreal Global Biodiversity Framework in December 2022, which sets global targets to halt and reverse biodiversity loss by 2030.[8] However, there is currently a lack of guidance in the market on criteria for eligible use of proceeds for this kind of financing.

To address this gap, IFC has developed a Biodiversity Finance Reference Guide. This guide, aimed at financial institutions and investors, provides an indicative list of investments, activities, and project components that help protect, maintain, or enhance biodiversity and ecosystem services, as well as promote the sustainable management of natural resources. It offers IFC's perspective on potential investment opportunities and how targeted financing can help enable a transition to nature-smart business models and practices that combine conservation needs with sustainable development.

This document is primarily intended to provide a structured approach for investors and financiers to identify eligible use of proceeds that constitute biodiversity finance. Companies can use it to identify opportunities to address the key drivers of biodiversity loss in their production practices, to integrate nature-based solutions into their operations, or to develop nature conservation activities. The guide can also be used by policymakers to design biodiversity finance taxonomies.

This guide is not a substitute for sustainability policies or environmental and social safeguards. It provides an overview of key criteria for selecting eligible use of proceeds that can qualify for biodiversity finance and outlines the key steps borrowers and issuers need to follow to develop biodiversity finance frameworks in line with the Green Bond Principles and Green Loan Principles.[9]

The core of the document is the indicative list of biodiversity finance investment activities and project components outlined in the section "Use of Proceeds" on page 8. This is not an exhaustive list and other activities that meet the criteria articulated in this guide could be considered.

This guide will continue to evolve as the market for biodiversity finance develops and matures.

[7] This definition is adopted from the OECD and is used in "Mobilizing Private Finance for Nature. A World Bank Group paper on private finance for biodiversity and ecosystem services," 2020, available at https://openknowledge.worldbank.org/handle/10986/35984
[8] https://www.cbd.int/gbf/
[9] Griscom *et al.* (2017) Natural Climate Solutions. *PNAS*, 114(44): 11645-11650.

BIODIVERSITY FINANCE REFERENCE GUIDE

This reference guide builds on the Green Bond Principles and Green Loan Principles as well as related resources, including the ICMA Handbook for Impact Reporting.[10] It also aligns with targets in the recently adopted Global Biodiversity Framework.

Both the Green Bond Principles and Green Loan Principles list biodiversity as an eligible use of proceeds. However, they do not provide a granular description of the types of projects that fit this category. The purpose of this reference guide is to address this gap and provide an indicative list of investment activities that contribute to protecting, maintaining, or enhancing biodiversity and ecosystem services and sustainably managing living natural resources through the adoption of practices that integrate conservation needs and sustainable development. The guide provides an indicative list of activities that seek to contribute to Sustainable Development Goal 14: "Conserve and sustainably use the oceans, seas and marine resources for sustainable development" and Sustainable Development Goal 15: "Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss."

This guide also aligns investment activities with the following environmental objectives articulated in the Green Bond Principles and Green Loan Principles which address the key drivers of biodiversity loss: (i) pollution prevention and control, (ii) natural resource conservation, (iii) climate change mitigation, and (iv) climate change adaptation. In addition, the investment activities are mapped to the Global Biodiversity Framework targets in Annex I.

[10] https://www.icmagroup.org/assets/documents/Regulatory/Green-Bonds/June-2019/Handbook-Harmonized-Framework-for-Impact-Reporting-WEB-100619.pdf

Key Terms, Definitions, and Criteria

This reference guide uses the Convention on Biological Diversity's definition of biodiversity as "the variability among living organisms from all sources including, inter alia, terrestrial, marine, and other aquatic ecosystems and the ecological complexes of which they are a part; this includes diversity within species, between species, and of ecosystems."[11]

Ecosystem services are defined as the benefits that people, including businesses and public entities, derive from ecosystems. Ecosystem services are organized into four types: (i) provisioning services, which are the products people obtain from ecosystems; (ii) regulating services, which are the benefits people obtain from the regulation of ecosystem processes; (iii) cultural services, which are the nonmaterial benefits people obtain from ecosystems; and (iv) supporting services, which are the natural processes that maintain the other services.[12]

To be considered biodiversity finance, investment activities should meet all the following criteria:

1 **Is the activity consistent with the Green Bond Principles' and Green Loan Principles' eligible project categories and does it contribute to Sustainable Development Goals 14 and 15?**

To qualify as biodiversity finance, the investment activity or project component must be consistent with the eligible categories of the Green Bond Principles and Green Loan Principles and contribute to either Sustainable Development Goal 14 or 15, with outputs and outcomes directly related to one or more of the target indicators of these Sustainable Development Goals.

2 **Does the activity introduce risk that may affect progress on other environmental priorities such as Sustainable Development Goals 2, 6, 7, 12, and 13?**

Investment activities and project components can only be labeled biodiversity finance if they do not introduce material risks to other themes and priority environmental areas of the Sustainable Development Goals, including:

- SDG2: Zero hunger
- SDG6: Clean water and sanitation
- SDG7: Affordable and clean energy
- SDG12: Responsible consumption and production
- SDG13: Climate action

[11] https://www.cbd.int/convention/articles/?a=cbd-02

[12] Examples are as follows: (i) provisioning services may include food, freshwater, timber, fibers, medicinal plants; (ii) regulating services may include surface water purification, carbon storage and sequestration, climate regulation, protection from natural hazards; (iii) cultural services may include natural areas that are sacred sites and areas of importance for recreation and aesthetic enjoyment; and (iv) supporting services may include soil formation, nutrient cycling, primary production.

3 **Are environmental, social, and governance (ESG) safeguards and standards, such as the IFC Performance Standards, applied in the implementation of the project if there are material environmental and social risks?**

The project must clearly state which internationally accepted sustainability standards it is following in order to minimize and manage any adverse environmental and social impacts, including biodiversity loss. IFC's E&S Performance Standards[13] (or similar good practice E&S standards) are expected to be followed in addition to national requirements. Industry-specific sustainability standards, as well as certain specific product standards, may also be applied for a biodiversity finance investment above national requirements.

4 **Does the activity address one or several of the key drivers of biodiversity loss?[14]**

Investment activities and project components must be designed to intentionally minimize or eliminate one or several of the following key drivers of biodiversity loss:

Land- and sea-use change. Ecosystem conversion from agriculture, unsustainable forest management, urbanization, industrial developments, and transport networks is the biggest source of pressure on biodiversity worldwide, leading to habitat loss, fragmentation, and degradation.

Overexploitation and unsustainable use of nature. Overexploitation and destructive harvesting practices are a critical threat to the world's biodiversity and ecosystems. Overexploitation is a particularly significant threat to marine ecosystems. Unsustainable water use for agriculture, cities, energy, and industries puts further pressure on biodiversity and the health of ecosystems.

Pollution. Pollution is a growing threat to biodiversity in terrestrial, inland water, coastal, and marine ecosystems. This includes air pollution, greenhouse gas emissions, untreated urban and rural waste, plastic pollution, pollution from nutrients (such as nitrogen and phosphorous), and other pollutants from industries, mining, and agricultural activities.

[13] https://www.ifc.org/wps/wcm/connect/Topics_Ext_Content/IFC_External_Corporate_Site/Sustainability-At-IFC/Policies-Standards/Performance-Standards

[14] https://www.cbd.int/gb03/?pub=6667&section=6711

Invasive species. The spread of invasive alien species continues to be a major threat to all types of species and ecosystems. Invasive species can be introduced intentionally as part of project design or unintentionally through unrelated project activities, and can have a negative impact on native ecosystems.

Climate change. Rising global temperatures are already having an adverse effect on biodiversity and are projected to become a bigger threat in the next decade. More frequent extreme weather events and changing patterns of rainfall and drought associated with the changing climate can be expected to have further significant impacts on biodiversity. There are well-developed taxonomies for investments and investment activities that target climate change, which are not covered in this reference guide. This guide only lists those climate-related activities that have significant localized biodiversity benefits.

5 **Does the activity have appropriate metrics to determine the impacts on biodiversity and measure its performance against selected impact indicators?**

The issuer or borrower should make all reasonable efforts to gather data for impact reporting, including a description of the metrics used and reporting against those metrics. For further detail, please see section "On Impact Reporting" (page 21).

BIODIVERSITY FINANCE FRAMEWORK

Building on the Green Bond Principles and Green Loan Principles

To be consistent with the Green Bond Principles and Green Loan Principles, it is best practice for an issuer of green bonds or borrower of green loans with a biodiversity finance component to prepare a framework that clearly distinguishes the biodiversity activities for the use of proceeds. This framework should include the following sections:

- **Use of Proceeds:** This section articulates investment activities and project components that contribute to SDG14 or SDG15 and are consistent with the Green Bond Principles and Green Loan Principles.
- **Project Assessment and Selection:** This section articulates how biodiversity finance investment activities and project components are assessed and selected.
- **Management of Proceeds:** This section articulates how the proceeds from biodiversity finance will be managed.
- **Impact Reporting:** This section articulates how the impact of biodiversity finance will be measured and reported.

The framework serves as a transparent way to avoid greenwashing and safeguard against reputational risk and should be endorsed by the issuer's or borrower's senior management. It is best practice to obtain an independent third-party review and verification of the framework.

Use of Proceeds

This guide provides an indicative list of private sector biodiversity-related investment activities to demonstrate eligible use of proceeds that contribute to Sustainable Development Goals 14 and 15.

It lists biodiversity and nature-related investment components that contribute to the protection and enhancement of biodiversity and ecosystem services and that minimize or avoid activities that are harmful to biodiversity.[15] The investment activities reviewed in this guide fall into the following categories:

- **Investment activities that seek to generate biodiversity co-benefits.** This category of accepted use of proceeds includes financing for activities within or through established business operations and production practices that seek to address the key drivers of biodiversity loss.
- **Investments in biodiversity conservation and/or restoration as the primary objective.** This category covers direct financing of conservation, restoration, and related services.
- **Investments in nature-based solutions to conserve, enhance, and restore ecosystems and biodiversity.** These solutions provide infrastructure-type and other services that are material to projects' operations and that can displace or complement man-made structures (such as gray infrastructure).

[15] This approach is consistent with the practice within sustainable finance, including the financing of climate mitigation and adaptation projects, where some activities can be identified as risk management measures (for example, reducing air pollution and as a co-benefit also reducing CO_2 emissions) while others can be considered value creation (for example, solar photovoltaic in an arid area).

Table 1:

Mapping biodiversity finance activities' contributions to the Green Bond Principles and Green Loan Principles' environmental objectives

	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES				
Biodiversity Finance Area	**Biodiversity**	**Pollution Prevention and Control**	**Natural Resource Conservation**	**Climate Change Mitigation**	**Climate Change Adaptation**
Investment activities that seek to generate biodiversity co-benefits	✓	✓	✓	✓	✓
Investments in biodiversity conservation and/or restoration as the primary objective	✓	✓	✓	✓	✓
Investments in nature-based solutions to conserve, enhance, and restore ecosystems and biodiversity	✓	✓	✓	✓	✓

Annex I includes a more detailed indicative mapping of biodiversity finance activities, illustrating if the activity could have a direct or indirect contribution to the Green Bond Principles and Green Loan Principles' environmental objectives. It should be used only for an initial identification of assets eligible for biodiversity finance. Accepted use of proceeds will need to be considered on a case-by-case basis, taking into account available information and context. In addition, Annex I maps the direct and indirect contribution of the eligible biodiversity finance activities to the targets in the Global Biodiversity Framework.

I. Investment activities that seek to generate biodiversity co-benefits

This category of accepted use of proceeds includes financing for activities within or through established business operations and production practices that seek to address the key drivers of biodiversity loss. Proceeds could finance activities that seek to expand existing biodiversity-positive operations, or transition existing operations or practices to biodiversity-positive approaches. Projects could be stand-alone activities or consist of components that meet the eligibility criteria for biodiversity finance.

A. PRODUCTIVE LAND USE/AGRICULTURE

1 Climate-smart agriculture:

a. Rehabilitation of degraded lands with native and/or naturalized species.[16]
b. Reduction in synthetic fertilizer use by at least 20%[17] on project implementation to reduce downstream eutrophication, and to promote use of biofertilizer and other organic solutions (for example, composting).
c. Reduction in pesticide use by at least 20%[18] on project implementation and promotion of biosolutions.
d. Switching from monocropping to diversified cropping systems, including intercropping and use of cover crops to improve resilience and soil quality.
e. Significant reduction of tillage or implementation of no-till practices.
f. Cultivation of native or naturalized species that can more readily adapt to variations in production cycles, water quality/quantity, and temperatures.
g. Infrastructure that uses natural or combined green/gray solutions that prevent runoff of agrochemicals and sediment into rivers or coastal basins.[19]
h. The use of sustainable agricultural practices/varieties/technology and/or infrastructure that increases crop yields/quality on existing land without increasing the environmental footprint.

[16] This can also be part of nature-based solutions (NBS).
[17] This threshold is consistent with benchmarks used in climate finance. Thresholds will become stricter over time as technologies and practices develop.
[18] This threshold is consistent with benchmarks used in climate finance. Thresholds will become stricter over time as technologies and practices develop.
[19] If infrastructure solutions include use of nature, this can also be part of NBS.

i. Design, implementation, use, or improvement of traceability mechanisms, data, and technologies used to prevent deforestation and monitor biodiversity benefits at the corporate level or along the supply chain.
j. Efficient irrigation – promote efficient water allocation, water recycling, sustainable reuse of graywater, rainwater harvesting, and utilization of native species that have low water consumption. This is conditional to avoid depletion of natural water resources.
k. Climate adaptation and resilience measures that also conserve and/or restore ecosystems (for example, drought-resistant seeds, nutrient cycling, water storage, ecotone levees, floodplain restoration, water storage with watershed restoration or conservation – all projects that make agribusiness more resilient to threats like flooding and drought).
l. Conservation and production of native or naturalized seed varieties, especially endemic species.
m. Adoption of practices and/or technologies in supply chain management to promote zero deforestation or other positive effects on biodiversity.

2. **Regenerative agriculture:** Farming and grazing practices that, among other benefits, rebuild soil organic matter, restore degraded soil biodiversity, enhance and maintain ecosystem function, and preserve native seed and livestock varieties; sustainable fiber production and other activities that focus on recuperation of the ecosystem through improved land management and that operate throughout the supply chain.

3. **Production and trade of certified crops/commodities** in line with robust sustainability certifications which follow audit protocols that confirm biodiversity and potential climate benefits.

4. **Alternative production practices,** or products such as sustainable hydroponics and alternatives to beef, to reduce pressure on land and prevent land conversion. This includes agricultural practices that contribute to the protection of wildlife, especially endangered and threatened species (wildlife-friendly options), and businesses that promote wildlife-friendly practices to improve land management, establish corridors for wildlife movement, and reduce demand for bushmeat.

5. **Adoption of innovation and technologies** that improve land-use and agricultural practices, such as geospatial data tools and tools to detect soil degradation.

B. FRESHWATER/MARINE SUSTAINABLE PRODUCTION

1. **Measures that achieve conservation, greater efficiency, and sustainable water use,** including at least a 20% reduction in water use in:

   a. Agricultural production
   b. Manufacturing and processing
   c. Construction and building
   d. Infrastructure development.

2. **Development and manufacturing of water conservation products** (for example, low-flow shower heads, faucet aerators, water recyclers, and low-flow toilets) for residential and commercial use.

3. **Measures that reduce the level of contamination in wetlands or other freshwater bodies.**

4. **Biodiversity-friendly fishing:**

   a. Repopulation of native species in rivers and other water bodies.
   b. Production, trade, or retail of seafood products meeting or exceeding best practice certification standards.[20]

5. **Sustainable aquaculture production:** Aquaculture with a certification that confirms that the investment[21] does not undermine the function and resilience of ecosystems, such as mangroves, salt marshes, seagrasses, and critical habitats.

6. **Regenerative (restorative) aquaculture production:** Bivalves and seaweed to increase food production and restore ocean health.

7. **Sustainable fisheries and fishery practices:** Operations compliant with gear restrictions/modifications, offtake and sourcing procedures, and vessel modifications, and consistent with best practice for preventing fishery degradation (for example, reducing by-catch).

[20] See guidelines and information on certification schemes: https://www.seafoodwatch.org/about-us/our-standards
[21] Best practices for aquaculture investments include:
• Environmental practices: Mangrove and wetland conservation; effective effluent management and water quality control; sediment control and sludge management; soil and water conservation; efficient use of fishmeal and fish oil; responsible sourcing of broodstock and juvenile fish; control of escapes and minimizing biodiversity and wildlife impact.
• Community practices: Establish well-defined rights, aquaculture zones, and responsibilities for aquaculturists; regulatory compliance and effective enforcement; community involvement; worker safety, fair labor practices, and equitable compensation.
• Sustainable business and farm management practices: Effective biosecurity and disease control systems; minimal antibiotic and pharmaceutical use; microbial sanitation; maintain global standards for hygiene; efficient and humane harvest and transport; accountable record-keeping and traceability; profitability (https://www.worldbank.org/en/topic/environment/brief/sustainable-aquaculture).

8 **Adoption of practices and/or technologies in supply chain management** (including cold storage, fish processing facilities, and shipping) to reduce loss, expand access to markets, and reduce transport time.

9 **Biodiversity-friendly shipping and cruising:**

a. Installation of ballast water treatment on ships to prevent contamination with invasive species.
b. Installation of membrane bioreactor-type water treatment for all blackwater and graywater on ships.
c. Installation of bilge water treatment on ships.
d. Installation of technology on ships to reduce noise pollution harmful to ocean species.
e. Solid waste reception and processing facilities at ports and terminals.
f. Deployment of technology-based mapping and analysis tools and/or alternative routing practices to protect biodiversity (for example, avoiding collision with large mammals).

10 **Manufacturing or retail of ocean- and water-friendly household products** (for example, biodegradable and phosphate-free products such as detergent, shampoos, soaps, deodorants, cleaners; microbead-free toothpaste; non-plastic packaging).

11 **Reduction of downstream eutrophication through the replacement of phosphate- or nitrogen-based synthetic fertilizers with non-synthetic organic fertilizers** (linked also to improved agricultural practices).

12 **Prevention of stormwater and wastewater runoff into waterways,** including investing in nature-based solutions for wastewater treatment, such as constructed wetlands to support removal of organic pollutants from wastewater.

13 **Upgrading wastewater treatment plants** (agricultural, industrial, commercial, residential, or city level) to eliminate all pollutants harmful to biodiversity.

14 **Improving upstream watershed activities** (linked to improved land management, agricultural practices, and sanitation) to reduce sediment flow and contamination.

C. WASTE AND PLASTIC MANAGEMENT

1. **Manufacturing, trade finance, or retail of compostable and biodegradable[22] products,** including plant-based plastics and packaging solutions that displace traditional products that impact marine, freshwater, and terrestrial biodiversity.
2. **Manufacturing, trade finance, or retail of low-carbon and biodegradable materials** (for example, Lyocell) as an alternative to cotton and fossil-based fibers.
3. **Urban drainage systems that prevent plastic, solid waste, and pollutants runoff** into freshwater and marine habitats.
4. **Flood mitigation measures** that prevent plastic, solid waste, or pollutants runoff.
5. **Reduction of plastic use** in product design and manufacture, and use of recycled plastics for residual material needs.
6. **Support for research and innovative technology** aimed at recycling single-use plastic as part of larger-scale plastic recycling efforts.
7. **Plastic recycling activities and facilities.**
8. **Reuse or sustainable repurposing of plastics.**

D. FORESTRY AND PLANTATIONS

1. **Reforestation[23]** with native or naturalized species resulting in biodiversity benefits and ecosystem services (for example, carbon sequestration, water quality, water supply in areas of critical ecological flow).[24]
2. **Afforestation (plantations) or natural forest regeneration on degraded lands** with native or naturalized species to create production buffer zones or biodiversity corridors, especially when adjacent to or connecting virgin forest or protected areas.
3. **Native non-timber forest products** contributing to forest conservation, soil retention and recovery, and alternative livelihoods.

[22] A biodegradable substance seamlessly breaks down and mixes back into the earth, leaving no toxins behind.
[23] Practices that restore trees to ecologically suitable landscapes include reforestation (replanting or naturally regenerating trees), afforestation (planting trees where none have grown for at least 50 years), restocking (increasing tree biomass in degraded forests), agroforestry (integrating trees into croplands or pasture), and urban forestry (integrating trees into metropolitan areas). All these practices carry some commercial potential, including the production of timber and other forest products, while also helping businesses and governments fulfill biodiversity and climate commitments.
[24] This is also part of watershed management under NBS.

4. **Sustainable forest management:** Forest production and management that meets international best practices and internationally accepted quality certification standards to ensure ecological, economic, and social benefits.

5. **Sustainable tree-crop production** that incorporates native or naturalized species and does not cause or result in deforestation or loss of natural forests or any other biodiversity hotspot that has high conservation value or high carbon stock ecosystems.

6. **Agroforestry systems** linked to sustainable agricultural practices. Mixed tree and crop production, using native or naturalized species, appropriate for local climate conditions.

E. TOURISM/ECOTOURISM SERVICES

1. **Sustainable or ecotourism ventures** that meet established standards for best practices, conserve or restore habitats or avoid increasing encroachment on habitat, and work to reduce carbon emissions.

2. **Tourism concessions and operations inside marine and terrestrial conservation areas** that create opportunities or incentives for enhanced biodiversity protection or reduced biodiversity threat. These opportunities could be economic (for example, alternative livelihoods), social (for example, supporting changing norms or behaviors through education/best practice), or fiscal (for example, profit-sharing user fees with conservation areas). Tourism operations must meet recognized ecotourism standards.

3. **Ecotourism ventures and operations outside conservation areas that are consistent with ecotourism principles.** For example, these ventures could be located in buffer zones of protected areas, in critical habitats, or in other sensitive sites, or where there is strong community participation or ownership.

F. OTHER INVESTMENTS

1. **Research and development and technology that helps to identify, monitor, report on, and verify biodiversity and business impacts.** Examples include geographic information systems for biodiversity protection and artificial intelligence tools and software to track wildlife and monitor displacements in areas where poaching may occur.

2. **Retrofitting existing infrastructure and construction projects** to address adverse impacts on biodiversity previously caused or exacerbated by the project.

3. **Innovations in aviation, trucking, and logistics** to avoid transporting invasive species.

II. Investments in biodiversity conservation and/or restoration as the primary objective

This category of accepted use of proceeds includes direct financing of conservation, restoration, and related services as the primary focus of investments.

A. CONSERVATION LAND USE/TERRESTRIAL HABITAT CONSERVATION

1. **Conservation** of key biodiversity areas through the establishment of legally recognized protected areas.[25]

2. **Conservation or restoration to create biodiversity credits for meeting mitigation requirements** (for example, mitigation banking).[26] *(Note: These could be linked to conservation easements set up to provide offsets via protection/management/restoration.)*

3. **Conservation easements/servitudes/right of ways:** Conservation easements earmark land for biodiversity conservation on private land while allowing owners to retain certain private property rights (some of these may be directly related to biodiversity credits/mitigation banking).

4. **Payments for ecosystem services or investments in mechanisms and conservation trust funds** that support payment for ecosystem services directly linked to nature and biodiversity conservation.

5. **A public-private partnership mechanism that rewards/reduces tax paid by private landowners** to implement new, privately managed protected areas adjacent to existing protected areas; investments in oversight and verification mechanisms to ensure correct use.

[25] Areas as defined by IFC Performance Standard 6, particularly natural and critical habitats as well as habitats listed in IUCN Protected Area Categories, World Database of Key Biodiversity Areas, and IUCN Red List of Ecosystems.

[26] Mitigation banking (conservation banking) is a system of credits and debits to ensure that ecological loss resulting from various development works is compensated by the preservation and restoration of similar habitats. An investor may acquire an area to conserve or restore and establish a system of credits based on government regulations (for example, number of habitat hectares). They will sell those credits to developers that need to compensate for impacts by ensuring conservation prior to license issuance. This system can also work where a company will commit to voluntary compensation/offsets, but it works best where developers are required to provide compensation for their impact on an ecosystem and investors can anticipate market demand.

6. **Rewilding** through creating and restoring habitats for wildlife, including developing biodiversity corridors.

7. **Fire management/fire risk reduction** programs that finance management and interventions that directly reduce fire threats and have demonstrated a benefit to biodiversity.

8. **REDD+ ventures that reduce emissions and produce carbon credits** (post-Paris Agreement framework)[27] and that generate sustained economic opportunities and social benefits for local communities.

B. FRESHWATER AND MARINE HABITAT CONSERVATION

1. **Wetland conservation/restoration to provide and sustain ecosystem services.**

2. **Conservation and creation of wetlands to create biodiversity credits** that establish wetland mitigation banks.[28]

3. **Conservation/restoration of marine areas** (such as seagrass beds, coral, and mangroves) that protect important species, improve habitats, and provide services or important ecological functions. In some cases, these interventions can be designed to deliver carbon and biodiversity credits (marine habitat bank).[29]

4. **Provision of services for restoring natural habitats** (for example, use of drones to plant mangroves, monitoring services to enforce fishing quotas, repopulation of native species in a landscape).

5. **Nutrient credit schemes** to reduce the amount of pollutants discharged into water bodies (nutrient trading in regulated markets).

6. **Watershed management activities** (linked to improved land management, agricultural practices, and sanitation) to improve water quality and reduce sedimentation in downstream ecosystems (for example, reefs).

[26] This can also be part of NBS.
[27] This can also be part of NBS.
[28] Areas as defined by IFC Performance Standard 6, particularly natural and critical habitats, as well as habitats listed in IUCN Protected Area Categories, World Database of Key Biodiversity Areas, and IUCN Red List of Ecosystems. This can also be part of NBS.

III.

Investments in nature-based solutions to conserve, enhance, and restore ecosystems and biodiversity

This category of accepted use of proceeds lists investments in nature-based solutions within larger projects. These investments seek to conserve, enhance, and restore ecosystems and biodiversity to provide infrastructure-type or other services that are material to a project's operations and/or that can displace or complement man-made structures.

A. NATURE-BASED SOLUTIONS[30]

1. **Natural or ecological infrastructure**[31] that prevents runoff of agrochemicals and sediment into rivers or coastal water basins (for example, swales, biofiltration).
2. **Constructed wetlands** for water treatment (primary through tertiary) provided that they do not interfere with, and ideally complement, any natural wetlands that are in the project's area of impact.
3. **Watershed management practices** to decrease runoff, sedimentation, and siltation, and increase recharge.
4. **Natural infrastructure to reduce water temperatures** of used water discharged into waterways.
5. **Natural infrastructure or a combination of natural and gray infrastructure** focused on managing stormwater and integrating conventional coastal and riverine flood protection infrastructure with ecological infrastructure (for example, mangroves with seawalls, and marshes with levees).

[30] Principles for good governance and practices are captured in the IUCN Global Standard for Nature-based Solutions. https://portals.iucn.org/library/sites/library/files/documents/2020-020-En.pdf

[31] Refers to naturally functioning ecosystems that deliver valuable services to people, such as regulation of water and climate, formation of soil, and reduction of disaster risk. It is the nature-based equivalent of built or hard infrastructure and can be just as important for providing services and underpinning socioeconomic development. Ecological infrastructure does this by providing cost-effective, long-term solutions to service delivery that can supplement, and sometimes even substitute, built infrastructure. Ecological infrastructure includes healthy mountain catchments, rivers, wetlands, coastal dunes, and nodes and corridors of natural habitat, which together form a network of structural elements in the landscape.

6. **Conservation or rehabilitation of wetlands** to reduce flooding and soil/water salination.

7. **Conservation or rehabilitation of mangroves** to reduce flooding and soil erosion, increase coastal resilience, and sequester carbon.

8. **Conservation or rehabilitation of coral reefs** to reduce storm surges and flooding.

9. **Use of forest buffers, agricultural strips, swales, and other techniques** to avoid runoff of nutrients and sediments.

10. **Parametric insurance schemes for green/blue infrastructure** such as coral reefs, fisheries, and coastal protection.

11. **Green/blue urban infrastructure** such as green roofs, green facades, permeable surfaces, rain gardens, bioswales, canals, and ponds to address the effects of drought, floods, and urban heat.

12. **Nature-based solutions for solar farms** to cool solar panels and enhance their performance (for example, seeding with native grasses and flowers, agrivoltaics).

On Project Selection

The issuer or borrower should understand and apply the indicative list above to identify eligible assets in its portfolio and pipeline. Eligible investment activities and project components should include a clear description of biodiversity protection, conservation, and restoration strategies planned from the investments, and how success will be measured. Only activities for which enough information can be gathered to objectively describe the use of proceeds and enable impact reporting can be selected. The eligible investment activities and project components should also be aligned with existing local and international biodiversity regulations (for example, National Restoration Plan and Management of Sensitive Lands) and meet stringent environmental and social standards.

On Management of Proceeds

The issuer or borrower should have the capabilities to ringfence the proceeds from biodiversity finance and allocate them only to eligible activities, that is, those activities satisfying the criteria outlined on pages 4-6 and in the Use of Proceeds section. Using a follow-the-money approach, if a project or investment has several components, only the eligible component should receive funds from biodiversity finance. Components of the project which are not eligible under this framework should in no way contribute to avoidable negative impacts (all impacts must be avoided and mitigated effectively) on biodiversity and ecosystem services.

On Impact Reporting

The issuer or borrower should make all reasonable efforts to gather data for impact reporting, including a description of the metrics used and the reporting against those metrics. After identifying the activities that are eligible for receiving proceeds from biodiversity finance, the issuer or borrower can work with investors, biodiversity experts, and affected stakeholders to define suitable impact indicators to include in annual impact reports and include financing to support short-, medium-, and long-term monitoring, and, where possible, independent third-party verification. To the extent possible, it is recommended to use impact indicators included in the monitoring protocols of an applicable certification system or those included in the ICMA Handbook for Impact Reporting.[32] In addition, site-specific indicators related to habitats or species of concern may need to be developed when assessing impacts. Indicators should be developed when investment activities and project components are being designed so that information can be collected and biodiversity outcomes can be reported against a baseline. There should be reporting against biodiversity indicators as well as specific performance and social impact indicators related to the project (for example, increase in natural forest cover or hectares protected). To facilitate impact reporting, IFC will consider developing a set of sample key performance indicators for the eligible use of proceeds captured in this reference guide. Impacts on affected stakeholders should also be measured to ensure that the eligible activities have not had a negative impact on local people, including their access to ecosystem services, and that any such impacts have been mitigated effectively.

[32] https://www.icmagroup.org/assets/documents/Regulatory/Green-Bonds/Handbook-Harmonized-Framework-for-Impact-Reporting-220520.pdf

ANNEX I

Mapping biodiversity finance activities' contributions to the Green Bond Principles and Green Loan Principles' environmental objectives and the Kunming-Montreal Global Biodiversity Framework targets.

The table below maps biodiversity finance activities articulated in this guide to the environmental objectives of the Green Bond Principles and Green Loan Principles: biodiversity conservation, pollution prevention and control, natural resource conservation, climate change mitigation, and climate change adaptation. The table also maps biodiversity finance activities articulated in this guide with reference to the most relevant targets of the Global Biodiveristy Framework (see Annex II for further details).

The table below is indicative and illustrates if an activity could contribute to the Green Bond Principles and Green Loan Principles' environmental objectives as well as the targets in the Global Biodiversity Framework. This table does not constitute eligibility criteria and is provided only as a reference. Specific activities will need to be considered individually based on their available information and context. In individual cases, an activity could contribute to additional environmental objectives in the Green Bond Principles and Green Loan Principles as well as additional targets in the Global Biodiversity Framework.[33] Each project activity needs to articulate its contributions to these environmental objectives and targets and articulate how these will be measured and verified.

[33] IFC's Biodiversity Finance Reference Guide is designed as a practical tool to mobilize finance for activities with positive outcomes for biodiversity and, thus, the guide may be considered in its entirety as contributing to Targets 14 and 19. For simplicity, Target 19 and Target 14 are not listed as a contribution for each individual activity. Exceptions have been made on occasions where the link is explicitly stated in the activity.

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
I. Investment activities that seek to generate biodiversity co-benefits	✓	✓	✓	✓	✓	**Direct** Indirect
A. PRODUCTIVE LAND USE/AGRICULTURE						
1. Climate-smart agriculture:						
a. Rehabilitation of degraded lands with native and/or naturalized species.	✓	✓	✓	✓	✓	**T2, T10** T8, T11
b. Reduction in synthetic fertilizer use by at least 20% on project implementation to reduce downstream eutrophication, and to promote use of biofertilizer and other organic solutions (for example, composting).	✓	✓	✓	✓		**T7, T10** T2, T11
c. Reduction in pesticide use by at least 20% on project implementation and promotion of biosolutions.	✓	✓	✓			T7, T10
d. Switching from monocropping to diversified cropping systems, including intercropping and use of cover crops to improve resilience and soil quality.	✓		✓	✓	✓	**T10** T4, T7, T8
e. Significant reduction of tillage or implementation of no-till practices.	✓		✓	✓	✓	**T7, T8, T10**
f. Cultivation of native or naturalized species that can more readily adapt to variations in production cycles, water quality/quantity, and temperatures.	✓		✓	✓	✓	**T4, T10** T8
g. Infrastructure that uses natural or combined green/gray solutions that prevent runoff of agrochemicals and sediment into rivers or coastal basins.	✓	✓	✓		✓	**T7, T11**
h. The use of sustainable agricultural practices/varieties/technology and/or infrastructure that increases crop yields/ quality on existing land without increasing the environmental footprint.	✓	✓	✓	✓	✓	**T1, T10**
i. Design, implementation, use, or improvement of traceability mechanisms, data, and technologies used to prevent deforestation and monitor biodiversity benefits at the corporate level or along the supply chain.	✓	✓	✓	✓		**T1, T10** T8
j. Efficient irrigation – promote efficient water allocation, water recycling, sustainable reuse of graywater, rainwater harvesting, and utilization of native species that have low water consumption. This is conditional to avoid depletion of natural resources.	✓	✓	✓	✓	✓	**T10** T7, T8

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
k. Climate adaptation and resilience measures that also conserve and/or restore ecosystems (for example, drought-resistant seeds, nutrient cycling, water storage, ecotone levees, floodplain restoration, water storage with watershed restoration or conservation – all projects that make agribusiness more resilient to threats like flooding and drought).	✓		✓		✓	**T8, T10, T11** T2, T3
l. Conservation and production of native or naturalized seed varieties, especially endemic species.	✓		✓		✓	**T4, T10**
m. Adoption of practices and/or technologies in supply chain management to promote zero deforestation or other positive effects on biodiversity.	✓		✓	✓	✓	**T1, T10** T3, T8
2. Regenerative agriculture: Farming and grazing practices that, among other benefits, rebuild soil organic matter, restore degraded soil biodiversity, enhance and maintain ecosystem function, and preserve native seed and livestock varieties; sustainable fiber production and other activities that focus on recuperation of the ecosystem through improved land management and that operate throughout the supply chain.	✓	✓	✓	✓	✓	**T8, T10, T11** T2, T7
3. Production and trade of certified crops/ commodities in line with robust sustainability certifications which follow audit protocols that confirm biodiversity and potential climate benefits.	✓	✓	✓	✓	✓	**T1, T4, T10, T16**
4. Alternative production practices, or products such as sustainable hydroponics and alternatives to beef, to reduce pressure on land and prevent land conversion. This includes agricultural practices that contribute to the protection of wildlife, especially endangered and threatened species (wildlife-friendly options), and businesses that promote wildlife-friendly practices to improve land management, establish corridors for wildlife movement, and reduce demand for bushmeat.	✓		✓	✓		**T1, T4, T10** T2, T16
5. Adoption of innovation and technologies that improve land-use and agricultural practices, such as geospatial data tools and tools to detect soil degradation.	✓	✓	✓	✓	✓	**T10** T1, T2, T7, T20

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
B. FRESHWATER/MARINE SUSTAINABLE PRODUCTION						
1. Measures that achieve conservation, greater efficiency, and sustainable water use, including at least a 20% reduction in water use in agricultural production, manufacturing and processing, construction and building, and infrastructure development.	✓		✓		✓	**T10** T8
2. Development and manufacturing of water conservation products (for example, low-flow shower heads, faucet aerators, water recyclers, and low-flow toilets) for residential and commercial use.	✓		✓		✓	T16
3. Measures that reduce the level of contamination in wetlands or other freshwater bodies.	✓	✓	✓			**T7** T2, T11
4. Biodiversity-friendly fishing:						
a. Repopulation of native species in rivers and other water bodies.	✓		✓			**T2, T4** T9, T10
b. Production, trade, or retail of seafood products meeting or exceeding best practice certification standards.	✓	✓				**T10** T16
5. Sustainable aquaculture production: Aquaculture with a certification that confirms that the investment does not undermine the function and resilience of ecosystems, such as mangroves, salt marshes, seagrasses, and critical habitats.	✓	✓	✓	✓	✓	**T10** T11, T16
6. Regenerative (restorative) aquaculture production: Bivalves and seaweed to increase food production and restore ocean health.	✓		✓	✓		**T2, T10** T16
7. Sustainable fisheries and fishery practices: Operations compliant with gear restrictions/ modifications, offtake and sourcing procedures, and vessel modifications, and consistent with best practice for preventing fishery degradation (for example, reducing by-catch).	✓		✓			**T10** T5
8. Adoption of practices and/or technologies in supply chain management (including cold storage, fish processing facilities, and shipping) to reduce loss, expand access to markets, and reduce transport time.	✓				✓	**T10, T16**

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
9. Biodiversity-friendly shipping and cruising:						
a. Installation of ballast water treatment on ships to prevent contamination with invasive species.	✓	✓				**T6**
b. Installation of membrane bioreactor-type water treatment for all blackwater and graywater on ships.	✓	✓				**T7**
c. Installation of bilge water treatment on ships.	✓	✓				**T7**
d. Installation of technology on ships to reduce noise pollution harmful to ocean species.	✓	✓				**T7**
e. Solid waste reception and processing facilities at ports and terminals.	✓	✓				**T7**
f. Deployment of technology-based mapping and analysis tools and/or alternative routing practices to protect biodiversity (for example, avoiding collision with large mammals).	✓					T1, T4
10. Manufacturing or retail of ocean- and water-friendly household products (for example, biodegradable and phosphate-free products such as detergent, shampoos, soaps, deodorants, cleaners; microbead-free toothpaste; non-plastic packaging).	✓	✓				**T7** T16
11. Reduction of downstream eutrophication through the replacement of phosphate- or nitrogen-based synthetic fertilizers with non-synthetic organic fertilizers (linked also to improved agricultural practices).	✓	✓	✓	✓		**T7, T10**
12. Prevention of stormwater and wastewater runoff into waterways, including investing in nature-based solutions for wastewater treatment, such as constructed wetlands to support removal of organic pollutants from wastewater.	✓	✓	✓	✓		**T7, T11** T2, T12
13. Upgrading wastewater treatment plants (agricultural, industrial, commercial, residential, or city level) to eliminate all pollutants harmful to biodiversity.	✓	✓	✓			**T7**
14. Improving upstream watershed activities (linked to improved land management, agricultural practices, and sanitation) to reduce sediment flow and contamination.	✓	✓	✓	✓		**T7** T2, T10

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
C. WASTE AND PLASTIC MANAGEMENT						
1. Manufacturing, trade finance, or retail of compostable and biodegradable products, including plant-based plastics and packaging solutions that displace traditional products that impact marine, freshwater, and terrestrial biodiversity.	✓	✓				**T7** T16
2. Manufacturing, trade finance, or retail of low-carbon and biodegradable materials (for example, Lyocell) as an alternative to cotton and fossil-based fibers.	✓	✓	✓	✓		**T7** T16
3. Urban drainage systems that prevent plastic, solid waste, and pollutants runoff into freshwater and marine habitats.	✓	✓	✓			**T7** T12
4. Flood mitigation measures that prevent plastic, solid waste, or pollutants runoff.	✓	✓			✓	**T7** T12
5. Reduction of plastic use in product design and manufacture, and use of recycled plastics for residual material needs.	✓	✓		✓		**T7** T16
6. Support for research and innovative technology aimed at recycling single-use plastic as part of larger-scale plastic recycling efforts.	✓	✓		✓		**T7** T16
7. Plastic recycling activities and facilities.	✓	✓	✓	✓		**T7**
8. Reuse or sustainable repurposing of plastics.	✓	✓	✓	✓		**T7** T16
D. FORESTRY AND PLANTATIONS						
1. Reforestation with native or naturalized species resulting in biodiversity benefits and ecosystem services (for example, carbon sequestration, water quality, water supply in areas of critical ecological flow).	✓		✓	✓	✓	**T2, T8, T10, T11**
2. Afforestation (plantations) or natural forest regeneration on degraded lands with native or naturalized species to create production buffer zones or biodiversity corridors, especially when adjacent to or connecting virgin forest or protected areas.	✓		✓	✓	✓	**T1, T2, T4, T10** T3, T8
3. Native non-timber forest products contributing to forest conservation, soil retention and recovery, and alternative livelihoods.	✓		✓	✓	✓	**T3, T5, T9** T11

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
4. Sustainable forest management: Forest production and management that meets international best practices and internationally accepted quality certification standards to ensure ecological, economic, and social benefits.	✓		✓	✓		**T10** T16
5. Sustainable tree-crop production that incorporates native or naturalized species and does not cause or result in deforestation or loss of natural forests or any other biodiversity hotspot that has high conservation value or high carbon stock ecosystems.	✓		✓	✓		**T1, T3, T4, T10**
6. Agroforestry systems linked to sustainable agricultural practices. Mixed tree and crop production, using native or naturalized species, appropriate for local climate conditions.	✓			✓	✓	**T10**
E. TOURISM/ECOTOURISM SERVICES						
1. Sustainable or ecotourism ventures that meet established standards for best practices, and conserve or restore habitats or avoid increasing encroachment on habitat, and work to reduce carbon emissions.	✓		✓	✓		**T1, T2, T3** T16
2. Tourism concessions and operations inside marine and terrestrial conservation areas that create opportunities or incentives for enhanced biodiversity protection or reduced biodiversity threat. These opportunities could be economic (for example, alternative livelihoods), social (for example, supporting changing norms or behaviors through education/best practice), or fiscal (for example, profit-sharing user fees with conservation areas). Tourism operations must meet recognized ecotourism standards.	✓		✓			**T1, T3, T14** T16
3. Ecotourism ventures and operations outside conservation areas that are consistent with ecotourism principles. For example, these ventures could be located in buffer zones of protected areas, in critical habitats, or in other sensitive sites, or where there is strong community participation or ownership.	✓		✓			**T1** T3, T16, T22

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
F. OTHER INVESTMENTS						
1. Research and development and technology that helps to identify, monitor, report on, and verify biodiversity and business impacts. Examples include geographic information systems for biodiversity protection and artificial intelligence tools and software to track wildlife and monitor displacements in areas where poaching may occur.	✓		✓			**T1, T4** T14, T15, T20, T21
2. Retrofitting existing infrastructure and construction projects to address adverse impacts on biodiversity previously caused or exacerbated by the project.	✓	✓	✓	✓		**T7** T11, T12
3. Innovations in aviation, trucking, and logistics to avoid transporting invasive species.	✓					**T6**
II. Investments in biodiversity conservation and/or restoration as the primary objective	✓	✓	✓	✓	✓	**Direct** Indirect
A. CONSERVATION LAND USE/TERRESTRIAL HABITAT CONSERVATION						
1. Conservation of key biodiversity areas through the establishment of legally recognized protected areas.	✓		✓	✓		**T1, T3** T11
2. Conservation or restoration to create biodiversity credits for meeting mitigation requirements (for example, mitigation banking). *(Note: These could be linked to conservation easements set up to provide offsets via protection/management/restoration.)*	✓		✓	✓		**T2, T3, T19** T1, T11, T14
3. Conservation easements/servitudes/right of ways: Conservation easements earmark land for biodiversity conservation on private land while allowing owners to retain certain private property rights (some of these may be directly related to biodiversity credits/ mitigation banking).	✓		✓			**T3** T11, T14, T19
4. Payments for ecosystem services or investments in mechanisms and conservation trust funds that support payment for ecosystem services directly linked to nature and biodiversity conservation.	✓		✓	✓		**T3, T11, T19**

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
5. A public-private partnership mechanism that rewards/reduces tax paid by private landowners to implement new, privately managed protected areas adjacent to existing protected areas; investments in oversight and verification mechanisms to ensure correct use.	✓		✓	✓		**T1, T3, T11, T10, T19** T4, T14
6. Rewilding through creating and restoring habitats for wildlife, including developing biodiversity corridors.	✓		✓	✓		**T2, T4** T9, T11
7. Fire management/fire risk reduction programs that finance management and interventions that directly reduce fire threats and have demonstrated a benefit to biodiversity.	✓	✓	✓	✓	✓	**T8** T10, T11
8. REDD+ ventures that reduce emissions and produce carbon credits (post-Paris Agreement framework) and that generate sustained economic opportunities and social benefits for local communities.	✓		✓	✓		**T2, T3, T11, T19** T9
B. FRESHWATER AND MARINE HABITAT CONSERVATION						
1. Wetland conservation/restoration to provide and sustain ecosystem services.	✓		✓			**T2, T3, T11** T1, T8
2. Conservation and creation of wetlands to create biodiversity credits that establish wetland mitigation banks.	✓		✓	✓		**T3, T11, T19** T8, T14
3. Conservation/restoration of marine areas (such as seagrass beds, coral, and mangroves) that protect important species, improve habitats, and provide services or important ecological functions. In some cases, these interventions can be designed to deliver carbon and biodiversity credits (marine habitat bank).	✓		✓	✓		**T1, T2, T3, T4, T11** T19
4. Provision of services for restoring natural habitats (for example, use of drones to plant mangroves, monitoring services to enforce fishing quotas, repopulation of native species in a landscape).	✓		✓			**T2, T10, T11** T14
5. Nutrient credit schemes to reduce the amount of pollutants discharged into water bodies (nutrient trading in regulated markets).	✓	✓				**T7** T14, T19
6. Watershed management activities (linked to improved land management, agricultural practices, and sanitation) to improve water quality and reduce sedimentation in downstream ecosystems (for example, reefs).	✓	✓	✓	✓		**T7, T10, T11** T2

Biodiversity Finance Eligible Activities	GREEN BOND/GREEN LOAN PRINCIPLES' ENVIRONMENTAL OBJECTIVES					GLOBAL BIODIVERSITY FRAMEWORK
	Biodiversity	Pollution Prevention and Control	Natural Resource Conservation	Climate Change Mitigation	Climate Change Adaptation	Contributions to Targets
III. Investments in nature-based solutions to conserve, enhance, and restore ecosystems and biodiversity	✓	✓	✓	✓	✓	**Direct** Indirect
A. NATURE-BASED SOLUTIONS						
1. Natural or ecological infrastructure that prevents runoff of agrochemicals and sediment into rivers or coastal water basins (for example, swales, biofiltration).	✓	✓	✓	✓	✓	**T7, T11** T2, T8
2. Constructed wetlands for water treatment (primary through tertiary) provided that they do not interfere with, and ideally complement, any natural wetlands that are in the project's area of impact.	✓	✓	✓	✓	✓	**T7, T11** T2, T8
3. Watershed management practices to decrease runoff, sedimentation, and siltation, and increase recharge.	✓	✓	✓		✓	**T7, T8, T11** T10
4. Natural infrastructure to reduce water temperatures of used water discharged into waterways.	✓	✓	✓			**T7** T11
5. Natural infrastructure or a combination of natural and gray infrastructure focused on managing stormwater and integrating conventional coastal and riverine flood protection infrastructure with ecological infrastructure (for example, mangroves with seawalls, and marshes with levees).	✓	✓	✓	✓	✓	**T7, T8** T11, T12
6. Conservation or rehabilitation of wetlands to reduce flooding and soil/water salination.	✓		✓	✓	✓	**T2, T8, T11**
7. Conservation or rehabilitation of mangroves to reduce flooding and soil erosion, increase coastal resilience, and sequester carbon.	✓		✓	✓	✓	**T2, T8, T11**
8. Conservation or rehabilitation of coral reefs to reduce storm surges and flooding.	✓		✓	✓	✓	**T2, T8, T11**
9. Use of forest buffers, agricultural strips, swales, and other techniques to avoid runoff of nutrients and sediments.	✓	✓	✓	✓		**T7** T10, T11
10. Parametric insurance schemes for green/blue infrastructure such as coral reefs, fisheries, and coastal protection.	✓				✓	**T11, T19** T2, T3
11. Green/blue urban infrastructure such as green roofs, green facades, permeable surfaces, rain gardens, bioswales, canals, and ponds to address the effects of droughts, floods, and urban heat.	✓	✓		✓	✓	**T11, T12** T7, T8
12. Nature-based solutions for solar farms to cool solar panels and enhance their performance (for example, seeding with native grasses and flowers, agrivoltaics).	✓			✓	✓	**T11** T8

ANNEX II

Overview of Kunming-Montreal Global Biodiversity Framework.

The Kunming-Montreal Global Biodiversity Framework was adopted by the 15th Conference of the Parties (COP 15) to the United Nations Convention on Biological Diversity in December 2022. COP 15 was chaired by China and hosted by Canada, and gathered representatives of 188 countries of the 196 parties to the CBD (as well as two non-parties, the Holy See and the United States of America) to determine required global action to halt and reverse biodiversity loss by 2030.[34]

The Kunming-Montreal Global Biodiversity Framework[35] outlines measures and supportive indicators to set humanity on a path to develop a sustainable relationship with nature. The Framework is centered on a shared vision of "living in harmony with nature by 2050," supported by four overarching goals for 2050 and 23 action-oriented milestone targets for 2030.[36]

[33] https://www.unep.org/news-and-stories/story/cop15-ends-landmark-biodiversity-agreement#:~:text=Chaired%20by%20China%20and%20hosted,ecosystems%20and%20protect%20indigenous%20rights
[34] https://www.cbd.int/gbf/
[35] https://www.cbd.int/article/cop15-cbd-press-release-final-19dec2022#:~:text=Among%20the%20global%20targets%20for%202030%3A&text=Have%20restoration%20completed%20or%20underway,ecosystems%20of%20high%20ecological%20integrity

GOAL A

The integrity, connectivity and resilience of all ecosystems are maintained, enhanced, or restored, substantially increasing the area of natural ecosystems by 2050;

Human induced extinction of known threatened species is halted, and, by 2050, extinction rate and risk of all species are reduced tenfold, and the abundance of native wild species is increased to healthy and resilient levels;

The genetic diversity within populations of wild and domesticated species is maintained, safeguarding their adaptive potential.

Target 1	Ensure that all areas are under participatory integrated and biodiversity inclusive spatial planning and/or effective management processes addressing land and sea use change, to bring the loss of areas of high biodiversity importance, including ecosystems of high ecological integrity, close to zero by 2030, while respecting the rights of indigenous peoples and local communities.
Target 2	Ensure that by 2030 at least 30 per cent of areas of degraded terrestrial, inland water, and marine and coastal ecosystems are under effective restoration, in order to enhance biodiversity and ecosystem functions and services, ecological integrity and connectivity.
Target 3	Ensure and enable that by 2030 at least 30 per cent of terrestrial and inland water areas, and of marine and coastal areas, especially areas of particular importance for biodiversity and ecosystem functions and services, are effectively conserved and managed through ecologically representative, well-connected and equitably governed systems of protected areas and other effective area-based conservation measures, recognizing indigenous and traditional territories, where applicable, and integrated into wider landscapes, seascapes and the ocean, while ensuring that any sustainable use, where appropriate in such areas, is fully consistent with conservation outcomes, recognizing and respecting the rights of indigenous peoples and local communities including over their traditional territories.
Target 4	Ensure urgent management actions, to halt human induced extinction of known threatened species and for the recovery and conservation of species, in particular threatened species, to significantly reduce extinction risk, as well as to maintain and restore the genetic diversity within and between populations of native, wild and domesticated species to maintain their adaptive potential, including through in situ and ex situ conservation and sustainable management practices, and effectively manage human-wildlife interactions to minimize human-wildlife conflict for coexistence.
Target 5	Ensure that the use, harvesting and trade of wild species is sustainable, safe and legal, preventing overexploitation, minimizing impacts on non-target species and ecosystems, and reducing the risk of pathogen spill-over, applying the ecosystem approach, while respecting and protecting customary sustainable use by indigenous peoples and local communities.
Target 6	Eliminate, minimize, reduce and or mitigate the impacts of invasive alien species on biodiversity and ecosystem services by identifying and managing pathways of the introduction of alien species, preventing the introduction and establishment of priority invasive alien species, reducing the rates of introduction and establishment of other known or potential invasive alien species by at least 50 percent, by 2030, eradicating or controlling invasive alien species especially in priority sites, such as islands.
Target 7	Reduce pollution risks and the negative impact of pollution from all sources, by 2030, to levels that are not harmful to biodiversity and ecosystem functions and services, considering cumulative effects, including: (a) by reducing excess nutrients lost to the environment by at least half, including through more efficient nutrient cycling and use; (b) by reducing the overall risk from pesticides and highly hazardous chemicals by at least half, including through integrated pest management, based on science, taking into account food security and livelihoods; and (c) by preventing, reducing, and working towards eliminating plastic pollution.
Target 8	Minimize the impact of climate change and ocean acidification on biodiversity and increase its resilience through mitigation, adaptation, and disaster risk reduction actions, including through nature-based solution and/or ecosystem-based approaches, while minimizing negative and fostering positive impacts of climate action on biodiversity.

GOAL B

Biodiversity is sustainably used and managed and nature's contributions to people, including ecosystem functions and services, are valued, maintained and enhanced, with those currently in decline being restored, supporting the achievement of sustainable development, for the benefit of present and future generations by 2050.

Target 9	Ensure that the management and use of wild species are sustainable, thereby providing social, economic and environmental benefits for people, especially those in vulnerable situations and those most dependent on biodiversity, including through sustainable biodiversity-based activities, products and services that enhance biodiversity, and protecting and encouraging customary sustainable use by indigenous peoples and local communities.
Target 10	Ensure that areas under agriculture, aquaculture, fisheries and forestry are managed sustainably, in particular through the sustainable use of biodiversity, including through a substantial increase of the application of biodiversity friendly practices, such as sustainable intensification, agroecological and other innovative approaches contributing to the resilience and long-term efficiency and productivity of these production systems and to food security, conserving and restoring biodiversity and maintaining nature's contributions to people, including ecosystem functions and services.
Target 11	Restore, maintain and enhance nature's contributions to people, including ecosystem functions and services, such as the regulation of air, water, and climate, soil health, pollination and reduction of disease risk, as well as protection from natural hazards and disasters, through nature-based solutions and ecosystem-based approaches for the benefit of all people and nature.
Target 12	Significantly increase the area and quality and connectivity of, access to, and benefits from green and blue spaces in urban and densely populated areas sustainably, by mainstreaming the conservation and sustainable use of biodiversity, and ensure biodiversity-inclusive urban planning, enhancing native biodiversity, ecological connectivity and integrity, and improving human health and well-being and connection to nature and contributing to inclusive and sustainable urbanization and the provision of ecosystem functions and services.

GOAL C

The monetary and non-monetary benefits from the utilization of genetic resources and digital sequence information on genetic resources, and of traditional knowledge associated with genetic resources, as applicable, are shared fairly and equitably, including, as appropriate with indigenous peoples and local communities, and substantially increased by 2050, while ensuring traditional knowledge associated with genetic resources is appropriately protected, thereby contributing to the conservation and sustainable use of biodiversity, in accordance with internationally agreed access and benefit-sharing instruments.

Target 13	Take effective legal, policy, administrative and capacity-building measures at all levels, as appropriate, to ensure the fair and equitable sharing of benefits that arise from the utilization of genetic resources and from digital sequence information on genetic resources, as well as traditional knowledge associated with genetic resources, and facilitating appropriate access to genetic resources, and by 2030 facilitating a significant increase of the benefits shared, in accordance with applicable international access and benefit-sharing instruments.

GOAL D

Adequate means of implementation, including financial resources, capacity-building, technical and scientific cooperation, and access to and transfer of technology to fully implement the Kunming-Montreal Global Biodiversity Framework are secured and equitably accessible to all Parties, especially developing country Parties, in particular the least developed countries and small island developing States, as well as countries with economies in transition, progressively closing the biodiversity finance gap of $700 billion per year, and aligning financial flows with the Kunming-Montreal Global Biodiversity Framework and the 2050 Vision for Biodiversity.

Target 14	Ensure the full integration of biodiversity and its multiple values into policies, regulations, planning and development processes, poverty eradication strategies, strategic environmental assessments, environmental impact assessments and, as appropriate, national accounting, within and across all levels of government and across all sectors, in particular those with significant impacts on biodiversity, progressively aligning all relevant public and private activities and fiscal and financial flows with the goals and targets of this Framework.
Target 15	Take legal, administrative or policy measures to encourage and enable business, and in particular to ensure that large and transnational companies and financial institutions: (a) Regularly monitor, assess, and transparently disclose their risks, dependencies and impacts on biodiversity including with requirements for all large as well as transnational companies and financial institutions along their operations, supply and value chains and portfolios; (b) Provide information needed to consumers to promote sustainable consumption patterns; (c) Report on compliance with access and benefit-sharing regulations and measures, as applicable; in order to progressively reduce negative impacts on biodiversity, increase positive impacts, reduce biodiversity-related risks to business and financial institutions, and promote actions to ensure sustainable patterns of production.
Target 16	Ensure that people are encouraged and enabled to make sustainable consumption choices including by establishing supportive policy, legislative or regulatory frameworks, improving education and access to relevant and accurate information and alternatives, and by 2030, reduce the global footprint of consumption in an equitable manner, halve global food waste, significantly reduce overconsumption and substantially reduce waste generation, in order for all people to live well in harmony with Mother Earth.
Target 17	Establish, strengthen capacity for, and implement in all countries biosafety measures as set out in Article 8(g) of the Convention on Biological Diversity and measures for the handling of biotechnology and distribution of its benefits as set out in Article 19 of the Convention.
Target 18	Identify by 2025, and eliminate, phase out or reform incentives, including subsidies harmful for biodiversity, in a proportionate, just, fair, effective and equitable way, while substantially and progressively reducing them by at least $500 billion per year by 2030, starting with the most harmful incentives, and scale up positive incentives for the conservation and sustainable use of biodiversity.

Target 19	Substantially and progressively increase the level of financial resources from all sources, in an effective, timely and easily accessible manner, including domestic, international, public and private resources, in accordance with Article 20 of the Convention, to implement national biodiversity strategies and action plans, mobilizing at least $200 billion per year by 2030, including by: (a) Increasing total biodiversity related international financial resources from developed countries, including official development assistance, and from countries that voluntarily assume obligations of developed country Parties, to developing countries, in particular the least developed countries and small island developing States, as well as countries with economies in transition, to at least $20 billion per year by 2025, and to at least $30 billion per year by 2030; (b) Significantly increasing domestic resource mobilization, facilitated by the preparation and implementation of national biodiversity finance plans or similar instruments according to national needs, priorities and circumstances; (c) Leveraging private finance, promoting blended finance, implementing strategies for raising new and additional resources, and encouraging the private sector to invest in biodiversity, including through impact funds and other instruments; (d) Stimulating innovative schemes such as payment for ecosystem services, green bonds, biodiversity offsets and credits, and benefit-sharing mechanisms, with environmental and social safeguards; (e) Optimizing co-benefits and synergies of finance targeting the biodiversity and climate crises; (f) Enhancing the role of collective actions, including by indigenous peoples and local communities, Mother Earth centric actions and non-market-based approaches including community based natural resource management and civil society cooperation and solidarity aimed at the conservation of biodiversity; (g) Enhancing the effectiveness, efficiency and transparency of resource provision and use.
Target 20	Strengthen capacity-building and development, access to and transfer of technology, and promote development of and access to innovation 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, fostering joint technology development and joint scientific research programmes for the conservation and sustainable use of biodiversity and strengthening scientific research and monitoring capacities, commensurate with the ambition of the goals and targets of the Framework.
Target 21	Ensure that the best available data, information and knowledge are accessible to decision makers, practitioners and the public to guide effective and equitable governance, integrated and participatory management of biodiversity, and to strengthen communication, awareness-raising, education, monitoring, research and knowledge management and, also in this context, traditional knowledge, innovations, practices and technologies of indigenous peoples and local communities should only be accessed with their free, prior and informed consent, in accordance with national legislation.
Target 22	Ensure the full, equitable, inclusive, effective and gender-responsive representation and participation in decision-making, and access to justice and information related to biodiversity by indigenous peoples and local communities, respecting their cultures and their rights over lands, territories, resources, and traditional knowledge, as well as by women and girls, children and youth, and persons with disabilities and ensure the full protection of environmental human rights defenders.
Target 23	Ensure gender equality in the implementation of the Framework through a gender-responsive approach where all women and girls have equal opportunity and capacity to contribute to the three objectives of the Convention, including by recognizing their equal rights and access to land and natural resources and their full, equitable, meaningful and informed participation and leadership at all levels of action, engagement, policy and decision-making related to biodiversity.

Contacts

Irina Likhachova, IFC Climate Business
ilikhachova@ifc.org

Francisco Avendaño, IFC Climate Business
favendano@ifc.org

Creating Markets, Creating Opportunities

ORIGINAL PUBLICATION:
NOVEMBER 2022

UPDATED PUBLICATION:
MAY 2023