

UN DECADE ON ECOSYSTEM RESTORATION

ACTION PLAN BOOKLET

APRIL 2023



UNITED NATIONS DECADE ON
ECOSYSTEM
RESTORATION
2021-2030



Food and Agriculture
Organization of the
United Nations

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The United Nations General Assembly has declared the years 2021 through 2030 the [UN Decade on Ecosystem Restoration](#). Led by the UN Environment Programme and the Food and Agriculture Organization of the UN, together with the support of partners, it is a movement designed to *prevent, halt, and reverse the loss and degradation of ecosystems worldwide*. It aims at reviving billions of hectares, covering terrestrial as well as aquatic ecosystems. A global call to action, the UN Decade draws together political support, scientific research and financial muscle to massively scale up restoration.

WHAT IS THE UN DECADE ACTION PLAN?

This action plan is a living document by the UN Decade [partner network](#) to collectively work towards the goals and vision of this UN Decade. Moving from strategy to action, this plan (Click [here](#) for the full version) allows all existing and new [partners](#) to mobilize around key priority areas for restoration – the Restoration Challenges – closing important gaps to achieve the global restoration efforts that science tells us is needed to restore our ecosystems and support human livelihoods and well-being. By defining concrete, ambitious challenge targets across twelve thematic areas and working towards achieving them as well as including calls for actions to key stakeholders, they set in motion a wave of activities in concrete contribution to key international goals such as the Sustainable Development Goals (SDGs) and the Global Biodiversity Framework (GBF). Many of the Challenges aim at establishing or recognizing new World Restoration Flagships such as large-scale restoration initiatives led by Indigenous Peoples and local communities or Faith groups.

WHO IS BEHIND THIS ACTION PLAN

This action plan is the outcome of several inclusive and transparent consultations of the UN Decade on Ecosystem Restoration [partner network](#) in 2021 and 2022 and the collaborative input of the UN Decade core team, Strategy Group, [Advisory Board](#), and [Task Forces](#).

Over 40 UN Decade partners have joined this Action Plan to date, taking the role of co- leading Restoration Challenges along with their expertise and capacities, inviting more partners and all interested parties to join.

HOW TO ENGAGE AND SUPPORT THE RESTORATION CHALLENGES?

The central concept of the Action Plan is promoting further collaboration among UN Decade partners to scale efforts and achievements, while identifying key new partners to join and call all stakeholders to act!

Interested donors and supporters from the public, philanthropic, and private sectors are invited to reach out and learn about concrete funding opportunities and benefits. Support can also be provided by joining events, amplifying messages, sharing knowledge or lessons learnt. For more information, please contact us restorationdecade@un.org.



1. RESTORATION CHALLENGE – BIODIVERSITY

APPROX. **1** MILLION PLANT AND ANIMAL SPECIES ARE THREATENED WITH EXTINCTION (IPBES, 2019).

60% CAN POTENTIALLY BE PREVENTED THROUGH ECOSYSTEM RESTORATION BY RESTORING **15%** OF CONVERTED LANDS IN PRIORITY AREAS (STRASSBURG ET AL., 2020).

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

2 **4** **10**

1.1 INCREASE BIODIVERSITY IN BRAZIL THROUGH LARGE-SCALE RESTORATION AND BUILDING THE WORLD'S LARGEST BIODIVERSITY CORRIDOR

Coleading organisation:
[Black Jaguar Foundation](#) and [Trinational Atlantic Forest Pact](#)

Brief description:

This Challenge aims to promote ecosystem restoration in the main three biomes in Brazil, the Atlantic Forest, the Amazon Forest, and the Brazilian Savanna, contributing to protect crucial species and enhance biodiversity and ecosystem services.

How?

Promoting restoration activities on the ground in different ecological and socio-economic contexts within the Atlantic Forest and Amazon Rainforest and Brazilian Savannah, contributing to protect crucial species and enhance biodiversity services. More specifically, the restoration efforts in the Amazon and Brazilian Savannah will create a biodiversity corridor “Araguaia Biodiversity Corridor” enhancing habitat connectivity between existing protected areas and boosting wildlife populations. While contexts always vary, establishing the largest biodiversity corridor in the world will inspire and provide key lessons learnt for other such endeavours around the world.

1.2 SHIFT THE WORLD'S LARGEST AGRICULTURE AND FARMLANDS ECOSYSTEM TO AGRO-BIODIVERSITY CONSERVATION (PR CHINA)

Co leading organisation:
[Shan Shui Conservation Center](#), [Peking University](#)

Disclaimer: Shan Shui is a non-vetted partner of the UN Decade.

Brief description:

This Challenge builds a multi-stakeholder coordination mechanism for science, practice, and policy to shift towards sustainable agricultural production and agro-biodiversity conservation in the People's Republic of China with key lessons for all countries.

How?

The multi-stakeholder mechanism will promote knowledge-sharing and expertise exchange, and enhances communication and understanding involving community actors, farmers, NGOs, academic researchers, and policymakers.



1.3 ESTABLISH A NEW BIODIVERSITY CERTIFICATION SYSTEM AND IMPLEMENT 100 CERTIFIED RESTORATION PROJECTS ACROSS THE GLOBE TO INCREASE BIODIVERSITY GAINS

Co leading organisation:

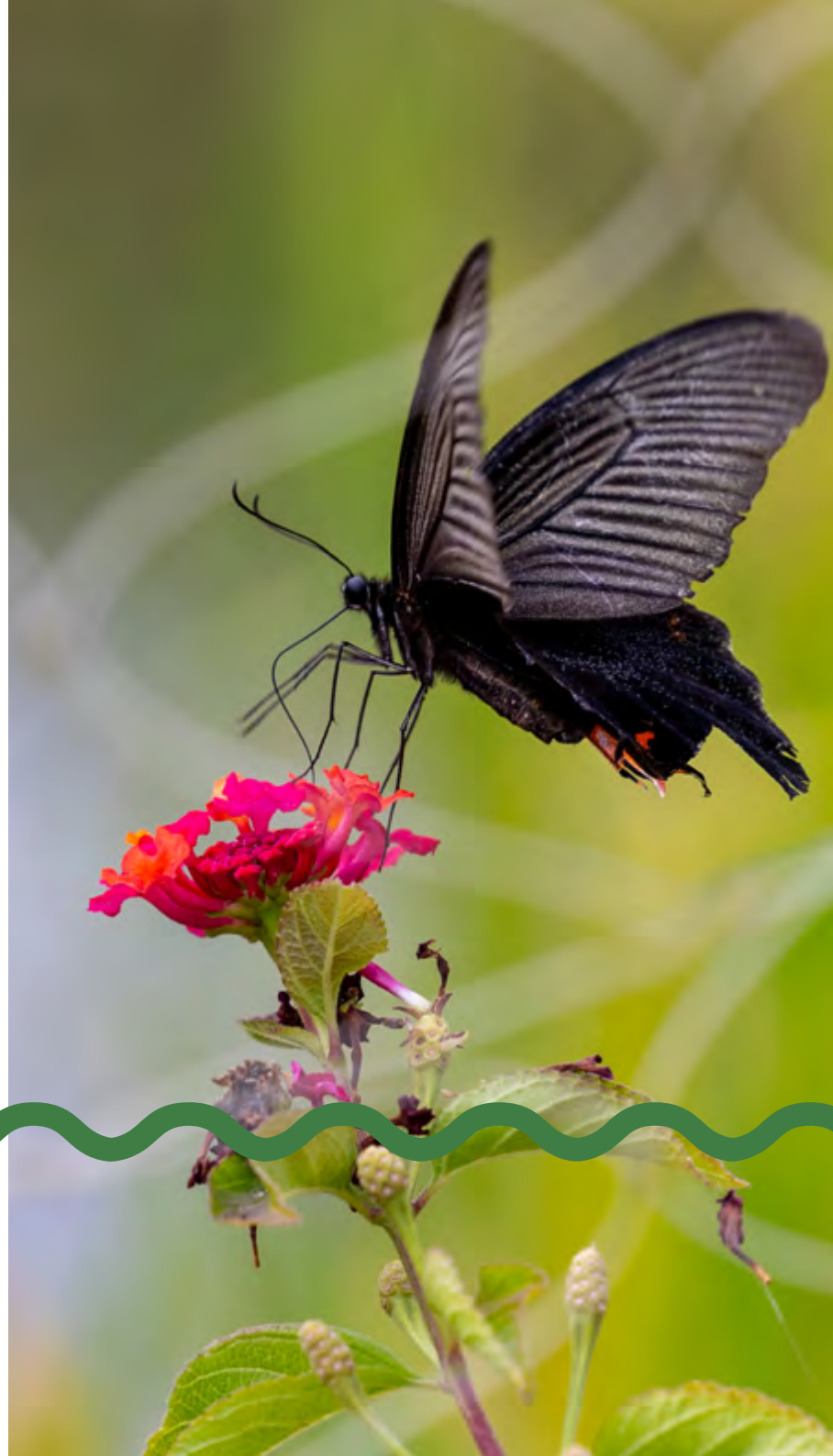
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Brief description:

The aim of this Challenge is to increase biodiversity gains from restoration initiatives around the globe through the establishment of a standards and certification scheme for ecosystem restoration projects as well as through training and capacity building.

How?

The Challenge will promote training and capacity building for local organizations and community members to implement the standards-based ecological restoration to be implemented in projects on the ground, followed by a project certification to demonstrate the projects qualify and meet all the requirements.



2. RESTORATION CHALLENGE – BUSINESS & PHILANTHROPY

\$133B

CURRENTLY FLOWS INTO NATURE-BASED SOLUTIONS ANNUALLY

86%

REPRESENTED BY PUBLIC FUNDS

14%

REPRESENTED BY PRIVATE FINANCE

BY 2030, INVESTMENTS IN NATURE-BASED SOLUTIONS WILL NEED TO AT LEAST **TRIPLE** IN REAL TERMS IF THE WORLD IS TO MEET ITS CLIMATE CHANGE, BIODIVERSITY AND LAND DEGRADATION TARGETS (UNITED NATIONS ENVIRONMENT PROGRAMME 2021A). RESTORATION OF ECOSYSTEMS IS THE KEY INVESTMENT OPPORTUNITY WITHIN NATURE-BASED SOLUTIONS. AND NOW IS THE TIME FOR COLLECTIVE ACTION AS SCIENCE TELLS US.

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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2.1 FACILITATING A MINIMUM OF 50 MILLION US DOLLARS OF PRIVATE AND PHILANTHROPIC DONATIONS TO WORLD RESTORATION FLAGSHIPS

Brief description:

The aim of this Challenge is to facilitate direct financial support by private sector entities, philanthropic and wealthy individuals to the [World Restoration Flagships](#) by 2030.

How?

This mechanism will be characterized by direct facilitation between donors and recipients, with minimal transaction costs. Donors are invited to submit a pledge based on which they will be invited to sign up to be part of the UN Decade Partnership Network, benefitting from the network opportunities and public recognition for their support. The mechanism will further include conferences and networking events as well as public event participation opportunities.

Co leading organisation:

[UNEP](#), [FAO](#)

2.2 200 COMPANIES TO INVEST USD 10 BILLION TO CONSERVE AND RESTORE TREES

Brief description:

This Challenge aims to mobilise 200 companies to make credible and accountable commitments to conserve, restore and grow trees, with a combined investment of at least USD 10 billion.

How?

By mobilizing the private sector, facilitating multi-stakeholder partnerships in key regions, and supporting youth, innovation and ecopreneurship. 1.org welcomes companies with Paris-aligned climate goals to submit a pledge and join peer companies committed to leadership, action, integrity, transparency and learning through the alliance.

Co leading organisation:

[1t.org](#), [World Economic Forum](#)

3. RESTORATION CHALLENGE - CITIES

URBAN AREAS ARE RESPONSIBLE FOR OVER

75%

OF GLOBAL CARBON EMISSIONS, AS WELL AS HABITAT LOSS AND ECOSYSTEM DEGRADATION

CITIES ACROSS THE WORLD CAN CHANGE THE PARADIGM BY INVESTING IN NATURE-BASED SOLUTIONS FOR INFRASTRUCTURE AND RESTORATION/LAND-SPARING INTERVENTIONS IMPROVING URBAN SUSTAINABILITY AND HUMAN WELLBEING, WHILE ADDRESSING CLIMATE CHANGE AND BIODIVERSITY LOSS.

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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3.1 BY 2030, AT LEAST 20 CITIES WILL HAVE BEEN NOMINATED AS WORLD RESTORATION FLAGSHIPS AND 100 CITIES ARE CHAMPIONING URBAN RESTORATION

Co leading organisation:
[ICLEI - Local Governments for Sustainability](#), [UNEP](#) and [FAO](#)

Brief description:

The goal is to spread knowledge, share tools, and build capacity on how to mainstream ecosystem restoration activities and nature-based thinking into city management and planning practices, as well as to increase advocacy around the return-on-investment in nature-based solutions and make the business case for restoration.

How?

The Challenge will create a unifying platform, identify and involve at least 100 champion cities through educational high-level module webinars and online city-to-city learning exchanges and encourage them to apply to have their projects or urban area become [World Restoration Flagships](#).

3.2 URBAN SPACES RESTORED IN OVER 1000 CITIES BY 2030

Co leading organization:
[Association for Promoting Sustainability in Campuses and Communities \(APSCC India\)](#)

Brief description:

Metropolitan regions are major contributors to the triple planetary crisis, comprising climate change, biodiversity loss, and waste and pollution. These issues have a significant impact on the health of humans and animals alike. The aim of this Challenge is to restore urban spaces, such as industrial and institutional campuses, community gardens, urban food forests, wetlands, streams, and beaches by building ecosystem restoration plots on or near campus grounds in a minimum of 1000 cities across the globe.

How?

The Challenge will incentivize the power of students and volunteers to come together and collaborate to build ecosystem restoration plots and restore urban spaces in collaboration with different stakeholders.



UN DECADE ON ECOSYSTEM RESTORATION

This will be done in partnership with various stakeholders, as well as the UN Decade's leading and co leading partners, through six Nature-Positive thematic programs:

- Green campus initiatives at universities and colleges
- Lab-to-land environmental education at schools and HEIs
- Regenerative agriculture and animal farming
- Conserving fauna of concern
- Collaboration for wetlands, oceans, and aquifer restoration and conservation
- Industrial symbiosis and revitalising village industries for sustenance

Each program will adopt tailored approaches, alliances and networks to accommodate diverse actors and collaborating municipalities, universities, colleges and schools in urban areas. National Ministries and other government agencies help catalyze the efforts, with an initial focus on Asia and the Pacific, followed by outreach to other parts of the world through innovative case studies, collaborative coordination and knowledge sharing. A digital resource chapter feeding into the UN Decade's Digital hub will also be established for data collection, storage and dissemination to a global audience. In addition, multiple summits, conferences, seminars, rallies, competitions, etc. will be organized to showcase and share knowledge.



4. RESTORATION CHALLENGE – CLIMATE

THE WORLD, ESPECIALLY LOCAL AND VULNERABLE COMMUNITIES, HAS BEEN FACING THE CONSEQUENCES OF CLIMATE CHANGE. CONTINUING EMISSIONS OF GREENHOUSE GASES WILL RESULT IN AN INCREASE IN GLOBAL WARMING AND AN INTENSIFICATION OF SEVERAL CONCURRENT HAZARDS. THE WINDOW OF OPPORTUNITY TO ENSURE A SUSTAINABLE AND LIVEABLE FUTURE FOR EVERYONE IS FAST CLOSING. TO AVERT THIS SCENARIO, CLIMATE RESILIENT DEVELOPMENT INTEGRATES ADAPTATION AND MITIGATION EFFORTS (CLIMATE CHANGE 2022: IMPACTS, ADAPTATION AND VULNERABILITY).

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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4.1 350 MILLION HECTARES UNDER RESTORATION WHILE DIRECTLY SUPPORTING OVER 100 MILLION PEOPLE FROM CLIMATE VULNERABLE COMMUNITIES TO ADAPT

Co leading organisation:
[Conservation International \(CI\)](#), [AFoCo](#), [AFR100](#), [20x20](#)

Brief description:

This challenge aims at placing 350 M ha under restoration by 2030 for carbon removal while directly supporting at least 100 million people from climate-vulnerable communities to adapt to the impacts of climate change by 2030 through nature-based solutions that improve land management and restore ecosystems.

How?

For both mitigation and adaptation, key activities include stocktaking, understanding the current and projected activities of partners that can contribute to the goals to 2030, and aligning monitoring and best practices for permanence and sustained contributions of restoration activities to be identified and promoted.

Regional challenge

A staged approach with regional intergovernmental organizations coordinating activities in their region is proposed for this challenge. This is to encourage conversation and alignment between regional initiatives and the UN Decade Climate Challenge, as well as to build on the significant progress these regional initiatives have made in compiling commitments and promoting restoration action.

The Asia-Pacific regional challenge will be co led by the Asian Forest Cooperation Organization (AFoCO).

The Latin America regional challenge will be co led by the Initiative 20x20.

The Africa regional challenge will be co led by the AFR100 (the African Forest Landscape Restoration Initiative).

AFoCO, Initiative 20x20 and AFR100 will building on their existing restoration expertise, networks and existing projects aiming to scale up climate mitigation and adaptation efforts through ecosystem restoration, capacity building to disseminate knowledge and development of multi-country proposals in their region.



4.2 HELP CLOSE THE GLOBAL ADAPTATION FINANCE GAP AND SCALE GLOBAL ADAPTATION EFFORTS

Co leading organization:
[UNEP](#), [FAO](#)

Brief description:

This Challenge aims to catalyze public support and political engagement for climate action; strengthen South-South and South-North learning; develop new and deepen existing partnerships with organizations that have complementary areas of interest and where collaboration can have catalytic and synergistic impact on advancing the global goal on adaptation.

How?

It will create a roadmap for the private sector to increase the private financing support available, produce missing knowledge products, and influence key climate processes.

4.3 ANIMATION OF THE CARBON CYCLE THROUGH REWILDING AS NATURE-BASED CLIMATE

Co leading organisation:
[Global Rewilding Alliance](#)

Brief description:

Provide the scientific guidance on animation of the carbon cycle through rewilding as Nature-based Climate Solutions for future policy and implementation.

How?

An ecological climate model is currently under development as a practical tool to ascertain the feasibility of using specific on-the-ground rewilding projects to enhance carbon capture and storage through "[Animating the Carbon Cycle](#)" (ACC). It will enhance the ability of policymakers and practitioners to craft sound animal climate solutions as well as assist decision making aimed at rewilding nature for the dual purpose of mitigating climate change and reducing biodiversity loss. A strategy for capturing 500 Gt of excess CO₂ by 2050 from the atmosphere through (trophic) rewilding with global hotspots/high opportunity areas will guide the work and assist governments, NGOs and other institutions to implement. The commitments to protect [30 per cent of both land and sea](#) (including [High Seas](#)) by 2030 will serve as a key basis for implementation at ecologically relevant spatial scales.

5. RESTORATION CHALLENGE - COMMUNITIES

~2.5B

WOMEN AND MEN DEPEND ON LAND AND NATURAL RESOURCES THAT ARE HELD, USED OR MANAGED IN COMMON. THEY ARE INDIGENOUS PEOPLES, FARMERS, PASTORALISTS, FISHERFOLK AND FOREST KEEPERS.

THEY PROTECT MORE THAN 50 PER CENT OF THE PLANET'S LAND SURFACE, BUT GOVERNMENTS RECOGNIZE THEIR OWNERSHIP RIGHTS OVER JUST 10 PER CENT. MANY OF THESE COMMUNITIES ARE ACTIVELY ENGAGED IN ECOSYSTEM RESTORATION AS PART OF CUSTOMARY PRACTICE AND A WEALTH OF INTERGENERATIONAL KNOWLEDGE ON THE ECOSYSTEMS ON WHICH THEY DEPEND.

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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5.1 RESTORE AND SECURE LAND AND RESOURCE RIGHTS TO INDIGENOUS PEOPLES AND LOCAL COMMUNITIES AND RECOGNISE THEM AS STEWARDS OF ECOSYSTEM RESTORATION

Co leading organisation:
[International Land Coalition \(ILC\)](#), [UNEP](#), [FAO](#)

Brief description:

The overall aim of this challenge is to recognize land and resource rights of Indigenous Peoples and local communities (IP LC) as a cornerstone of the restoration movement and promote them as stewards of ecosystem restoration, aligning with the United Nations Declaration on the Rights of Indigenous Peoples and other human rights frameworks.

How?

A work plan will be developed for the full integration of Indigenous Peoples and local communities into the UN Decade, the partner network, and Task Forces with the purpose to ensure the rights of Indigenous Peoples and local communities are not undermined and recognize their critical role in addressing our global restoration challenge.

This Challenge will also advance and promote locally led ecosystem restoration and encourage the integration and support community-led restoration practices in national, regional and international restoration planning, and with it, the recognition of the importance of tenure security for successful restoration practice.

Finally, the challenge also envisages supporting IP LCs-led [World Restoration Flagship](#), regional learning and planning events of our platforms, and content creation for the Digital Hub.



5.2 ENGAGEMENT AND ACTIVATION OF FAITH COMMUNITIES AND FAITH-LED RESTORATION FLAGSHIPS

Co leading organisation:

[Center for Earth Ethics](#),
[UNEP Faith for Earth](#)

Brief description:

This Challenge aims to 1) raise awareness in communities across the world through community-based dialogue and education; and 2) partnering with ongoing restoration projects to discern, advise and promote community engagement and outreach to promote the successful adoption and acceleration of ecosystem restoration.

How?

Local faith communities will be trained to conduct dialogues with local stakeholders on ecosystem restoration. Formal training and guidance will be provided and an online platform will be created to track the dialogues. This Challenge further supports the creation and nomination of World Restoration Flagships led by Faith communities.

5.3 IMPACT ASSESSMENT AND VISUALIZATION OF #GENERATION-RESTORATION MOVEMENT ON TERRESTRIAL ECOSYSTEMS

Co leading organization:

[Restor](#)

Brief description:

This Challenge aims to bring together all UN Decade partners and terrestrial restoration efforts on the UN Decade partner hub, Restor, to assess its impact along key metrics and help visualize the global movement as well as to facilitate data-driven investments along interests and benefits.

How?

Restor is developing impact reporting as premium functionality on the platform. This functionality will allow members as the UN Decade-affiliated restoration sites and World Restoration Flagships to assess and share data such as biodiversity and carbon impact.

5.4 RALLYING THE INTERNATIONAL SPORTS COMMUNITY TO RESTORE THE PLANET, INCLUDING THE PLANET 2024 CONFERENCE DURING PARIS OLYMPICS 2024

Co leading organisation:

[Free Spirit Foundation](#)

Disclaimer: Free Spirit Foundation is a non-vetted partner of the UN Decade.

Brief description:

This Challenge focuses on bringing together the international sports community to promote ecosystem restoration and accelerate the movement by involving civil society and businesses.

How?

By organising a world campaign entitled PLANET 2030 which will be launched in 2024 (Planet 2024). This is a campaign on ecosystem restoration and a major fundraising initiative from the private sector, dedicated to supporting the restoration effort of local communities through World Restoration Flagships. The following activities are envisaged: The Nature Restoration Summit; The Ecosystem Restoration Center - Le Louvre in Paris; EXPLORE - The Carbon zero vessel dedicated to marine restoration; The Nature Restoration book and Restore the PLANET Business Network.

6. RESTORATION CHALLENGE – EDUCATION

EDUCATION IS VITAL TO ENSURING THAT FUTURE GENERATIONS BENEFIT FROM A GREATER UNDERSTANDING OF NATURE AND AN APPRECIATION OF ITS VALUE (DASGUPTA 2021). ENVIRONMENTAL EDUCATION PLAYS AN IMPORTANT ROLE IN IMPROVING OUR COMPREHENSION OF OUR ENVIRONMENTAL CHALLENGES AND ALLOWING THE DEVELOPMENT AND IMPLEMENTATION OF GOOD PRACTICES TO AVERT THIS SCENARIO.

THE OVERALL GOAL OF THE EDUCATION CHALLENGES IS TO EDUCATE THE NEXT GENERATION OF CITIZENS TO BE AWARE OF THE VALUE OF NATURE, AND TO TRAIN A GENERATION OF PROFESSIONALS WHO CAN SCALE UP RESTORATION EFFORTS.

GBF AND SDG CONTRIBUTIONS



6.1 EMBED ECOSYSTEM RESTORATION INTO EDUCATION SYSTEMS GLOBALLY BY 2030

Co leading organization:
[Foundation for Environmental Education \(FEE\)](#), [UNESCO](#), [North American Association for Environmental Education \(NAAEE\)](#)

Brief description:

This challenge aims to embed ecosystem restoration into formal and non-formal education systems globally by 2030.

How?

This Challenge creates a dynamic framework, allowing for the evolution and adoption of good practices through collaborations at various levels. The activities include situational analysis and mapping; establishing synergies between existing efforts at multiple levels and in different regions; collecting and sharing existing good practices; co-developing, with key stakeholders, a framework adaptable in multiple contexts; and demonstrating ways to embed it in diverse lifelong education contexts.

6.2 BUILD A GLOBAL NETWORK OF REWILDING PROFESSIONALS

Co leading organization:
[Rewilding Academy](#)

Brief description:

This Challenge aims at building a global network of rewilding professionals to design and manage successful restoration and monitoring programmes benefiting local and global communities.

How?

By developing capacities of individuals and organisations across sectors and scales in the quintuple helix to support ecosystem restoration initiatives. It proposes 4 work-packages: 1) Develop, scale and engage a rewilding community; 2) Organize online and offline Rewilding Workshops and Events; 3) Develop a web-based Massive Open Online Course (MOOC) and 4) Develop Ecosystem Restoration curricula and courses.



6.3 INTERACTIVE ECOSYSTEM RESTORATION CURRICULUM FOR YOUTH AND 5000 COLLABORATIVE PARTNERSHIPS

Co leading organization:
[Rewilding Academy](#),
[Plant for the Planet](#),
[Environment Agency Abu Dhabi](#)

Brief description:

This Challenge aims to empower Generation Restoration through an interactive Ecosystem Restoration Curriculum for youth between 10-16 and 16+ years and 5000 collaborative partnerships.

How?

A modular framework with interactive, context specific learning materials, a programme of actions, project-based learning, workshops and real-life practical experiences will serve as the “backbone” for local ecosystem restoration projects undertaken by schools, classes and other organizations. The challenge will develop partnerships to facilitate a consultative process and dialogue to reach broad consensus around a comprehensive ecosystem restoration curriculum for youth.

Regional chapter: Regional Centre of Expertise

The establishment of a Regional Centre of Expertise in Education for Sustainable Development in the Emirate of Abu Dhabi to serve as a Hub for the inclusion of ecosystem restoration as a core subject in regional curricula and make widely available materials. This regional chapter is led by the Environment Agency - Abu Dhabi.

6.4 CREATE A GLOBAL NATURE POSITIVE UNIVERSITIES ALLIANCE

Co leading organization:
[University of Oxford](#), [UNEP](#)

Brief description:

This Challenge establishes a global network of [Nature Positive Universities](#) to prioritize nature restoration in their operations, on campuses and by addressing the impacts of their supply chains.

How?

Universities join the Nature Positive Journey on every continent, measuring their baseline, setting ambitious targets for nature, carrying out actions and using their influence to meet their targets, and reporting publicly on their progress.

6.5 YOUTH TO ENACT CHANGE AND CREATE LOCAL #GENERATION-RESTORATION NETWORKS ACROSS THE GLOBE

Co leading organization:
Youth United Nations
Global Alliance (YUNGA),
[UN Decade Youth Task Force](#), [UNESCO](#)

Brief description:

This Challenge aims to inform, involve and empower the global #GenerationRestoration Youth to enact change within their local communities and develop local networks of ecosystem restorers across the globe.

How?

Participants that decide to undertake the YUNGA Challenge badges will be provided with the challenge badge booklet, including a “background information” and “challenge badge curriculum”.

7. RESTORATION CHALLENGE - FINANCE

TO MEET FUTURE CLIMATE, BIODIVERSITY AND LAND DEGRADATION TARGETS, PUBLIC AND PRIVATE ACTORS WILL NEED TO SCALE UP THEIR ANNUAL INVESTMENTS BY **AT LEAST FOUR TIMES OVER THE NEXT THREE DECADES**.

BY 2050, TOTAL INVESTMENT NEEDS WILL AMOUNT TO **USD 8.4 TRILLION** CUMULATIVELY, REACHING OVER **USD 536 BILLION PER YEAR**, FOUR TIMES THE AMOUNT INVESTED TODAY (UNITED NATIONS ENVIRONMENT PROGRAMME 2021A).

GBF AND SDG
CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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7.1 CLOSE THE FINANCIAL GAP FOR #GENERATION-RESTORATION

Co leading organization:

[UN Decade Finance Task](#)

Force

Brief description:

This Challenge aims to support closing the financial gap for restoration by working on stakeholders' engagement at the government and sectoral policy levers, financial sector regulation and markets and investment instruments.

How?

The Challenge is structured in the following pathways: Government and sectoral policy levers to make restoration initiatives investment ready, or 'bankable', creating a supportive policy environment; Financial sector regulation and initiatives to ensure restoration is fully incorporated and supported by developing international sustainable finance regulatory architecture; and Financial markets and investment instruments to develop the biodiversity credit markets which can unlock restoration financing and showcase emerging good practices in blended finance and restorative NBS.

8. RESTORATION CHALLENGE – FOOD

THE GLOBAL FOOD SYSTEM IS THE PRIMARY DRIVER OF BIODIVERSITY LOSS AND CONTRIBUTES AROUND

30%

OF TOTAL ANTHROPOGENIC EMISSIONS (BENTON ET AL., 2021).

RESTORATION IS ESSENTIAL TO ENSURING FOOD SECURITY FOR A GROWING POPULATION. IT IS ESTIMATED THAT RESTORATION THROUGH AGROFORESTRY ALONE HAS THE POTENTIAL TO INCREASE FOOD SECURITY FOR 1.3 BILLION PEOPLE (UNITED NATIONS ENVIRONMENT PROGRAMME 2021B).

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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8.1 RESTORE AND REGENERATE PRODUCTIVE ECOSYSTEMS TO INCREASE LOCAL COMMUNITIES' FOOD SECURITY

Co leading organization:

[UN Decade Youth Task Force](#), [Ecosystem Restoration Communities](#), [Food and Agriculture Organization \(FAO\)](#)

Brief description:

This Challenge aims to create and upscale world-class eco-restoration model camps which will systematically increase food security, strengthen local communities' resilience, create job opportunities and raise eco-agri-food awareness and education.

How?

The Challenge will implement new Eco-Restoration Camps and Zero Hunger-Refugee Camps as well as promote existing Eco-Camps.

9. RESTORATION CHALLENGE - HUMAN-NATURE RELATIONSHIP

ADDRESSING EARTH'S ENVIRONMENTAL CRISES CALLS FOR A TRANSFORMATIVE SHIFT IN HUMANITY'S RELATIONSHIP WITH NATURE AND RESTORE THE RELATIONSHIP BETWEEN HUMANS AND NATURE. THE FIRST STEP WILL REQUIRE A BETTER UNDERSTANDING OF THIS RELATIONSHIP, THE PROVISION OF ALTERNATIVE SCENARIOS AND A COMBINATION OF INDIVIDUAL AND COLLECTIVE ACTIONS, AS WELL AS SYSTEMS CHANGE.

GBF AND SDG CONTRIBUTIONS



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9.1 HUMANITY TO LIVE IN HARMONY WITH NATURE - A "HUMANATURE PATHWAY" FOR #GENERATION-RESTORATION THROUGH ETHICS, EDUCATION AND CULTURE

Co leading organization:
[UNESCO](#), [UNEP](#), [FAO](#)

Brief description:

This Challenge aims to create the "Our Humanature Pathways" Panel, which will provide a platform for discussions addressing core questions on humanity's role in establishing a healthy and harmonic relationship with nature.

How?

Through the establishment of a Panel comprising a multidisciplinary team of thought-leaders, leading cultural voices, environmental activists, Indigenous Peoples, experts and opinion-makers. With a grounding in interactive and transdisciplinary approaches, the panel will assemble, consider and analyze diverse visions and understandings of the major challenges of humanity to guide the global restoration movement and humanity overall.

9.2 100 PARTNERS DEVELOP STRATEGIES AND IMPLEMENT ACTIONS FOR VALUING, ACCOUNTING FOR AND SUSTAINABLY UTILIZING NATURE

Co leading organization:
[United Nations Development Programme \(UNDP\)](#)

Brief description:

This challenge aims to contribute substantially to three 'shifts' identified as essential for the world to protect biodiversity, enhance the resilience of ecosystems and harness the power of nature towards achievement of the 2030 Agenda. These three systematic shifts are: Global Narrative (Valuing Nature); Economic and Finance (Accounting for Nature); and Policy and Practice (Harnessing the Power of Nature).

How?

By creating new norms and enabling conditions for nature-positive development and nature-positive economic decision making, contributing to a transformation of financial and economic systems to redirect flows from nature-negative to nature-positive and upscaling nature-based solutions.



9.3 OUR SPIRITUAL GARDEN TRADITION FOR #GENERATION-RESTORATION

Co leading organization:

[UNEP Faith for Earth](#)

Brief description:

The aim of this Challenge is to promote a series of consultative studies on garden traditions towards producing a toolkit on spiritual, green spaces demonstrating both small scale (community-level) and large scale (large areas/landscapes) good practices for restoration.

How?

Through a series of webinars, “Our Spiritual Garden Tradition” which will explore how each of the faith traditions conceptualize, celebrate and rely on green spaces– from its spiritual relevance to significant design elements - and where relevant central species (plants and animals).

10. RESTORATION CHALLENGE – MARINE & FRESHWATER

COVERING MORE THAN

70%

OF THE EARTH'S SURFACE, OCEAN AND SEAS SUPPORT THE LIVELIHOODS AND NUTRITIONAL NEEDS OF BILLIONS OF PEOPLE AND ARE HOME TO MILLIONS OF SPECIES. HEALTHY FRESHWATER ECOSYSTEMS ARE ALSO ESSENTIAL FOR ALL ASPECTS OF LIFE, CENTRAL TO TACKLING THE CLIMATE AND NATURE CRISES, AND FUNDAMENTAL TO SUSTAINABLE DEVELOPMENT. HOWEVER, BOTH HAVE BEEN NEGATIVELY IMPACTED BY HUMAN ACTIVITY. THERE IS A NEED FOR IMMEDIATE INTERVENTION AND INNOVATION BY GOVERNMENTS AND THE PRIVATE SECTOR TO TRANSFORM OUR RELATIONSHIP WITH OCEAN AND FRESHWATER ECOSYSTEMS.

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

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10.1 BLUE ECOSYSTEMS INNOVATION AND RESTORATION CHALLENGE ON OCEANS

Co leading organization:

[UNEP, UNESCO/](#)
[UN Decade of Ocean](#)
[Science for Sustainable](#)
[Development 2021-2030](#)

Brief description:

This Challenge aims to bring innovative solutions to conserve and restore the world's marine and coastal ecosystems, in turn enhancing the resilience of the coastal communities and the societies depending on them.

How?

- Catalyze momentum for activities that support the objectives of the decades of ecosystem restoration and ocean science for sustainability
- Identify and prioritize conservation hotspots in need of the most urgent restoration action
- Accelerate the commitment of non-governmental organizations and the private sector.

10.2 BRINGING 300,000 KM OF RIVERS AND 350 MILLION HECTARES OF WETLANDS UNDER RESTORATION BY 2030

Co leading organization:

[WWE, IUCN, Ramsar](#),
[Convention Secretariat,](#)
[UNEP](#)

Brief description:

This Challenge aims to develop a country-driven initiative to leverage the support needed to bring 300,000 km of rivers and 350 million hectares of wetlands under restoration by 2030.

How?

The Challenge will take an inclusive and collaborative approach to implementation where governments and their partners will mobilize resources and expertise to support the definition and implementation of freshwater restoration targets and co-create solutions with indigenous people, local communities and other national and international stakeholders. Launched in March 2023 at the UN Water Conference, the governments of Colombia, the Democratic Republic of Congo, Ecuador, Gabon, Mexico and Zambia have already committed and additional countries are expected to join.



10.3 #GENERATION- RESTORATION CORAL REEF RESTORATION TRAINING HUB

Co leading organization:

[Coral Triangle Center](#)

Brief description:

This Challenge aims at creating a training hub for restoration of tropical marine ecosystems to deliver scalable restoration impact in Indonesia and Timor-Leste, with knowledge and best practices for the global restoration movement.

How?

The lessons learned from workshops and learning exchanges will enhance restoration projects globally by sharing these through the UN Decade's digital hub, and ensure practitioners take a scientifically rigorous approach to their projects that deliver on restoration of ecosystem function and the services provided to coastal communities.

11. RESTORATION CHALLENGE - LAND

THE WORLD'S LAND AREA HAS BEEN SEVERELY DEGRADED, IMPACTING NOT ONLY COMMUNITIES THAT RELY ON AGRICULTURE BUT EVERYONE BY REDUCING FOOD PRODUCTION AND SECURITY, INTENSIFYING CLIMATE CHANGE AND BIODIVERSITY LOSS (UNITED NATIONS ENVIRONMENT PROGRAMME 2021). TO AVERT THIS SCENARIO, A LAND-DEGRADATION NEUTRAL WORLD SPECIFICALLY INCORPORATES A GLOBAL SHIFT TOWARDS LAND STEWARDSHIP TO AVOID DEGRADATION OF NEW AREAS AND ENSURES THAT UNAVOIDABLE DEGRADATION IS OFFSET BY REHABILITATING AT LEAST AN EQUAL AMOUNT OF ALREADY DEGRADED LAND IN THE SAME TIME SPAN AND LANDSCAPE (UNCCD).

GBF AND SDG CONTRIBUTIONS



KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK TARGETS

11. DECADE CHALLENGE: LAND DEGRADATION NEUTRALITY BY 2030

Co leading organization:
[UN Convention to Combat Desertification \(UNCCD\)](#)
G20 Global Land initiative

Brief description:

This Challenge aims to achieve a target of Land Degradation Neutrality by 2030, ensuring that 30 per cent land is under restoration by 2030 and 50 per cent reduction in land degradation by 2040.

How?

By promoting the initiative “Reducing Land Restoration and Enhancing Conservation of Terrestrial Habitats which aims to support G20 Members and non Members to achieve a global ambition of 50 per cent reduction in degraded land by 2040” and setting up strategic collaboration with different stakeholders.

12. RESTORATION CHALLENGE – YOUTH

YOUNG PEOPLE HAVE ENORMOUS POTENTIAL AND PLAY A CRUCIAL ROLE IN PRESERVING BIODIVERSITY, CONSERVING FORESTS, AND RESTORING ECOSYSTEMS IN ADDITION TO HAVING A DESIRE AND CAPACITY TO CONTRIBUTE WITH THEIR OWN EXPERIENCES TO THE OUTCOMES OF RESTORATION. TO ACHIEVE THE GOALS OF THE UN DECADE ON ECOSYSTEM RESTORATION AND A GLOBAL #GENERATIONRESTORATION MOVEMENT REQUIRES GROWTH OF THE ECOSYSTEM RESTORATION SECTOR IN WHICH YOUTH PLAYS A DETERMINING ROLE.

GBF AND SDG
CONTRIBUTIONS



12.1 JOB-TRAIN AND MENTOR YOUTHS AS RESTORATION PRACTITIONERS

Co leading organization:
[UN Decade Youth Task Force](#)

Brief description:

This Challenge aims to support youth employment in the ecosystem restoration sector through job training and capacity building.

How?

Through collaboration with different stakeholders from the main global regions, an intensive study curriculum for job training utilizing project-based-learning and hands-on skill development to empower youth to engage in nature-based employment.

12.2 RESTORE 10,000 SCHOOLYARDS AND REACH 100 MILLION POSTS WITH #GENERATION-RESTORATION

Co leading organization:
[Association for Promoting Sustainability in Campuses and Communities \(APSCC India\)](#) and [UN Decade Youth Task Force](#)

Brief description:

This Challenge focuses on the young champions and youth-led restoration initiatives and organizations, inviting them to participate in and lead on restoration activities, decision-making and propel the #GenerationRestoration movement.

With 1.2 billion individuals aged 15 to 24, comprising 16 per cent of the global population, the youth have a critical role in sustaining natural resources and life support systems. While the knowledge and tools required to reverse ecosystem degradation are available, a long-term commitment is needed.

How?

APSCC's youth-centered initiative, the "International Climate Change Adaptation & Resilience Program (ICCARP)" will be upscaled to catalyze action to restore and develop green spaces in 10,000 schoolyards and reach millions of posts with #GenerationRestoration, in partnership with Central and State Governments.



UNITED NATIONS DECADE ON
**ECOSYSTEM
RESTORATION**
2021-2030



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