

| FORMAT | | |
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| 1. Name of resource | Principles for Ecosystem Restoration to Guide the United Nations Decade 2021-30 | |
| 2. Location | https://www.decadeonrestoration.org/publications/principles-ecosystem-restoration-guide-united-nations-decade-2021-2030 | |
| 3. Alternative location | | |
| 4. Author[s] | FAO, IUCN CEM and SER | |
| 5. Publisher/producer/host | FAO, IUCN CEM and SER | |
| 6. Year | 2021 | |
| 7. Suggested citation | FAO, IUCN CEM & SER. 2021. Principles for ecosystem restoration to guide the United Nations Decade 2021–2030. Rome, FAO, available at https://www.decadeonrestoration.org/publications/principles-ecosystem-restoration-guide-united-nations-decade-2021-2030 | |
| 8. Languages in which available | English | |
| 9. Geographic area resource relates to | Global | |
| 10. Does the resource relate to a specific time frame? | 2021-30 | |
| 11. Type | Report | |
| | Toolkit/Framework/Roadmap | Yes |
| | Sign-post to other resource | |
| | Case studies | |
| | Other | |
| 12. If this is part of an initiative, what is the initiative? | UN Decade on Ecosystem Restoration, see https://www.decadeonrestoration.org/ . | |
| COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS | | |
| 13. Explicit links to collections | No | |
| 14. Explicit links to museums/libraries/archives | No | |
| 15. Types of institutions the resource covers | Museums | X |
| | Archives | X |
| | Libraries | X |
| | Other | X |
| | Arts, humanities and social sciences: philosophy, | |

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| 16. Does the resource relate to specific disciplines? | psychology, religion, social sciences, law, politics, language, arts and recreation, architecture, literature, history, geography and ethnology, anthropology, archaeology | |
| | Science, natural history, technology, medicine, engineering, manufacturing | X |
| 17. If no explicit links to collections, justification for inclusion | The resource can be used by collecting institutions to plan and implement educational, awareness-raising, participatory and training programmes, and operations that support ecosystem restoration. | |
| HOW IT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT | | |
| 18. Collections-related activities the resource relates to (mark all that apply) | | |
| Develop collections to protect and safeguard wider cultural and natural heritage more effectively , for example by targeting collecting to threatened forms of heritage in strategic ways | | |
| Use collections to promote learning and educational opportunities that contribute to sustainable development more effectively , for example education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development and/or skills development relating to collections | | X |
| Use collections to promote cultural participation/social inclusion more effectively , for example by reducing barriers to participation, to ensure no-one is 'left behind' | | |
| Use collections to promote sustainable tourism more effectively , for example by developing new products based on local cultural heritage, and/or considering the rights of stakeholder groups in relation to collections | | |
| Use collections to support research that contributes to sustainable development (including all forms of personal and self-directed research at all levels that make use of stored collections) more effectively, for example by providing effective facilities, collections and information to meet researchers' needs | | |
| Make decisions around collections that contribute to sustainable development more effectively | | |
| i. | employment (recruiting, staff training, staff safety) | X |
| ii. | energy consumption, greenhouse gas emissions, reduction, monitoring and reporting | |
| iii. | waste management and reduction of waste | |
| iv. | transport (forms of transport, energy use) | |
| v. | commercial activities including copyright and IP | |

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| vi. governance and management | X |
| vii. security, disaster preparedness and risk reduction | |
| Direct external leadership, partnerships and collaborations towards sustainable development more effectively , for example by developing impactful partnerships | X |
| 19. Does the resource relate clearly to any international conventions (mark all that apply)? | |
| Culture conventions: | |
| 1952, 71 Protection of Copyright and Neighbouring Rights | |
| 1954 Protection of Cultural Property in the Event of Armed Conflict | |
| 1970 Fighting Against the Illicit Trafficking of Cultural Property | |
| 1972 Protection of the World Cultural and Natural Heritage | X |
| 2001 Protection of the Underwater Cultural Heritage | |
| 2003 Safeguarding of the Intangible Cultural Heritage | |
| 2005 Protection and Promotion of the Diversity of Cultural Expressions | |
| Rio Conventions: | |
| Convention on Biological Diversity (CBD), Convention to Combat Desertification (UNCCD), Framework Convention on Climate Change (UNFCCC) | X |
| AIMS AND CONTENT | |
| 20. What issues does the resource aim to address? | <p>“A key step in creating a shared vision of ecosystem restoration is to adopt principles that underpin the full set of ecosystem restoration activities in support of the UN Decade Strategy. Although principles for specific types of restorative activities – such as ecological restoration and forest and landscape restoration already have been published, there is a need for principles to underpin all of the restorative activities that are part of the continuum of ecosystem restoration defined by the UN Decade, and which are applicable across all sectors, biomes and regions...</p> <p>The ten principles for ecosystem restoration include a first principle that orients restoration in the context of the UN Decade, followed by nine best-practice principles. These best-practice principles detail the essential tenets of ecosystem restoration that should be followed to maximize net gain for native biodiversity, ecosystem health and integrity, and human health and well-being, across all biomes, sectors and regions. The principles are complementary and should, therefore, be read and considered altogether. Regardless of the type of land ownership and the types of stakeholders engaged, these principles can improve restoration outcomes for all types of projects, programmes and initiatives.”(p.2-3)</p> |

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| 21. Intended audience of resource | [Individuals and organisations interested in supporting ecosystem restoration] |
| 22. Process of development | “UN Decade partners engaged in a multi-stage process to develop principles for ecosystem restoration (see Annex for detailed methods). The process began with a synthesis of published principles for distinct types of restorative activities. The synthesis was then used during an expert consultation process, to identify priority themes and to inform an initial, draft set of principles. These were widely shared through an online global consultation process; feedback from the consultation informed the development of the final principles presented here...” (p.3) |
| 23. Organisation/structure/contents | Global contribution Broad engagement Many types of activities Benefits to nature and people Addresses causes of degradation Knowledge integration Measurable goals Local and land/seascape contexts Monitoring and engagement Policy integration Annex |
| FRAMEWORKS | |
| 24. Framework structure | The ten principles can be considered as a framework: <ol style="list-style-type: none"> 1. Global contribution: ecosystem restoration contributes to the UN Sustainable Development Goals and the goals of the Rio Conventions. 2. Broad engagement: Ecosystem restoration promotes inclusive and participatory governance, social fairness and equity from the start and throughout the process and outcomes. 3. Many types of activities: Ecosystem restoration includes a continuum of restorative activities. 4. Benefits to nature and people: Ecosystem restoration aims to achieve the highest level of recovery for biodiversity, ecosystem health and integrity, and human well-being. 5. Addresses causes of degradation: ecosystem restoration addresses the direct and indirect causes of ecosystem degradation. 6. Knowledge integration: Ecosystem restoration incorporates all types of knowledge and promotes their exchange and integration throughout the process. 7. Measurable goals: Ecosystem restoration is based on well-defined short-, medium- and long-term |

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| | <p>ecological, cultural and socio-economic objectives and goals.</p> <p>8. Local and land/seascape contexts: Ecosystem restoration is tailored to the local ecological, cultural and socio-economic contexts, while considering the larger landscape or seascape.</p> <p>9. Monitoring and engagement: Ecosystem restoration includes monitoring, evaluation and adaptive management throughout and beyond the lifetime of the project or programme.</p> <p>10. Policy integration: Ecosystem restoration is enabled by policies and measures that promote its long-term progress, fostering replication and scaling-up.</p> |
| 25. Relevant policy considerations | Yes |
| 26. Resources for implementation identified | Yes |
| 27. Specific assessment points/indicators/milestones/action plan for monitoring | Yes |
| 28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply) | |
| People (social sustainability) | X |
| Planet (environmental sustainability) | X |
| Prosperity (economic sustainability) | X |
| Peace | X |
| Partnerships | X |
| 29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply) | |
| Gender perspectives | |
| North and South perspectives | |
| HOW THE RESOURCE CONTRIBUTES TO AGENDA 2030 AND THE SDGs | |
| HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE | |
| 30. SDGs and Agenda 2030 specifically mentioned? | Yes |
| 31. SDGs specifically mentioned? | No |
| 32. SDG targets specifically mentioned? | No |

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| 33. SDG indicators specifically mentioned? | No |
| SDGs AND SDG TARGETS AND LINKAGES | |
| 34. Comments on SDG linkages | <p>The resource is most closely linked to SDG targets around ecosystem and natural resource protection and restoration, as well as the participation by all sectors and people in sustainable development.</p> <p>These include: SDGs 4.4 (skills for work), 4.7 (Education for Sustainable Development), SDG 12.8 (lifestyles in harmony with nature), SDG 13.3 (climate change education and awareness), SDG 6.6 (protect water-related ecosystems), 6.A (support for developing countries in water-related activities), 6.B (involving local communities in water management), 9.5 and 14.A (enhancing scientific research), 10.2 (empowering social, economic and political inclusion of all), 11.4 (protection of natural and cultural heritage), 11.7 (safe, welcoming and inclusive public and green spaces), 14.1 (reducing marine pollution), 14.2 (protecting marine and coastal ecosystems), 14.3 (tackling ocean acidification), 14.4 (sustainable fisheries), 14.5 (coastal and marine protected areas), 15.1-15.5 (conservation and restoration of terrestrial ecosystems), 15.8 (managing invasive species), 15.9 (biodiversity values in planning), 15.A-C (mobilizing resources for conservation), 17.9 (capacity building), 17.16 and 17.17 (global and multistakeholder partnerships respectively). Principle 10 (policy coherence for effectiveness and replicability) supports SDG 16.B (laws and policies for sustainable development) and 17.14 (Policy Coherence for Sustainable Development).</p> <p>These fall under the headings of: Education: 4.4, 4.7, 12.8, 13.3</p> <p>Conservation and restoration of nature: SDGs 2.4, 2.5, 6.6, 11.4, 11.6, 11.7, targets in SDGs 13, 14 and 15</p> <p>Sustainable use of natural resources: 12.2, 12.5, 12.6, 12.7</p> <p>Climate adaptation: 13.1</p> <p>Community involvement: SDGs 6.B, 10.2</p> <p>Science: SDGs 9.5, 14.A</p> |

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| | <p>Partnerships: SDG 17.16, 17.17.</p> <p>Financial and other forms of support: 6.A, 15.A-C, 17.9</p> <p>Policies for sustainable development: 16.B, 17.14</p> |
| <p>35. SDGs and SDG targets the resource helps advance</p> | |
| <p>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 2.4 By 2030, ensure sustainable food production systems to implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.</p> | <p>Collections development related to sustainable food production where appropriate.</p> <p>Number of educational and awareness-raising programmes incorporating sustainable food production perspectives, and that aim to reduce the impact of disasters on communities.</p> <p>Number of targeted programmes that support those most exposed and vulnerable to disasters, whether locally or farther afield.</p> <p>Number of research activities drawing on collections that relate to resilient agricultural practices, helping mitigate and adapt to climate change, flooding and other disasters.</p> <p>Policies and plans in place to eliminate unsustainable food production from supply chains and in any food provision in collections-based institutions.</p> <p>Number of partnership activities drawing on collections that contribute to Disaster Risk Reduction plans, supporting resilient agricultural practices, and helping mitigate and adapt to climate change, flooding and other disasters.</p> |
| <p>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 2.5 By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access</p> | <p>Collections development related to genetic diversity of seeds, cultivated plants, farmed and domesticated animals (notably of local or at-risk varieties) and related wild species, for example in herbaria, museums, seed and gene banks, and seed libraries.</p> <p>Number of educational programmes related to genetic diversity of domesticated plants, animals and wild relatives.</p> <p>Number of educational programmes related to fair and equitable benefits of use of genetic resources and associated traditional knowledge, following international agreements (e.g. Nagoya Protocol).</p> |

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| <p>to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed</p> | <p>Number of educational and awareness programmes for people to ensure that they are aware of their rights and protections in terms of traditional knowledge, and exploitation of genetic resources.</p> <p>Number of research activities that help understand traditional knowledge, and genetic diversity of crop plants and animals.</p> <p>Ensure that producers of crop plants and animals are fairly compensated.</p> <p>Policies and procedures in place to ensure legal compliance with fair and equitable benefits of use of genetic resources and associated traditional knowledge, following international agreements (e.g. Nagoya Protocol).</p> <p>Number of partnerships at national, regional and international levels, as appropriate, to soundly manage seed and plant banks.</p> |
| <p>SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</p> <p>4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship</p> | <p>Number of young people and adults in skills-development activities and programmes drawing on collections, for employment, decent jobs and entrepreneurship</p> <p>Increase in number of young people and adults in such programmes</p> <p>Number and proportion of staff who have received training in the last year, to better support their contribution to the SDGs.</p> <p>Programs and processes in place to ensure the availability of a skilled workforce.</p> |
| <p>SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</p> <p>4.7 By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for</p> | <p>Numbers of people in each type of programme drawing on collections from different demographic groups.</p> <p>Increases in numbers of people in each type of programme from different demographic groups.</p> <p>Proportion of people involved in such programmes in relation to overall audience size.</p> <p>Evidence that learners have acquired knowledge and skills to promote sustainable development.</p> |

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| <p>sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development</p> | |
| <p>SDG 6. Ensure availability and sustainable management of water and sanitation for all 6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes</p> | <p>Proportion of water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes in a good ecological condition.</p> <p>Information on, programmes relating to, and partnerships relating to water-related ecosystems drawing on collections and collections-based institutions in place, to support protection of these as effective nature-based solutions and ecosystem services.</p> |
| <p>SDG 6. Ensure availability and sustainable management of water and sanitation for all 6.A By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies</p> | <p>Number and type of programmes of all kinds that support international co-operation and capacity-building support to developing countries in water and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies.</p> |
| <p>SDG 6. Ensure availability and sustainable management of water and sanitation for all 6.B Support and strengthen the participation of local communities in improving water and sanitation management</p> | <p>Collections development to support sustainable water management and sanitation for all.</p> <p>Number of programmes for local communities directed towards water quality improvement and sanitation management.</p> |

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| <p>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization</p> <p>9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending</p> | <p>Number and proportion of collections facilities that effectively support research and researchers.</p> <p>Number and proportion of staff who are appropriately skilled to undertake and support collections-based research.</p> <p>Expenditure on initiatives to enhance and upgrade collections facilities.</p> <p>Numbers of staff engaged in supporting and developing research use based on collections.</p> <p>Number of initiatives to encourage innovation drawing on collections.</p> <p>Increase in number of research and development workers per 1 million people.</p> <p>Increase in public and private research and development spending being used to develop and make use of collections.</p> |
| <p>SDG 10. Reduce inequality within and between countries</p> <p>10.2 By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status</p> | <p>Collections development to ensure that collections effectively meet the needs of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status.</p> <p>Numbers and proportions of people making use of collections in relation to the demographic of the local population.</p> <p>Numbers and proportions of people involved in focused programmes aimed at promoting social, economic and political inclusion.</p> <p>Numbers and proportions of people from different demographic groups involved in decision-making processes relating to collections and collections-based institutions.</p> <p>Number and types of partnerships that build relationships with marginalized groups, individuals and communities.</p> |

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| <p>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</p> <p>11.4 Strengthen efforts to protect and safeguard the world's cultural and natural heritage</p> | <p>11.4.1 Total expenditure (public and private) per capita spent on the preservation, protection and conservation of all cultural and natural heritage, by type of heritage</p> <p>Plans, policies and procedures in place for the safe use of collections for a variety of purposes, protecting and safeguarding both collections and those who use them.</p> <p>Plans, policies and procedures in place for the identification, safeguarding and protection of cultural and natural heritage at risk.</p> <p>Collecting programmes in place to protect, safeguard and make use of cultural and natural heritage, addressing the needs of communities and stakeholders, and ensuring that collections can be an effective resource for sustainable development.</p> <p>Number and diversity of educational, awareness-raising, research programmes, and partnerships that aim to strengthen protection of cultural and natural heritage.</p> |
| <p>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</p> <p>11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management</p> | <p>Plans in place to reduce negative impacts on air quality, and volume and forms of waste.</p> <p>Plans in place to eliminate waste of all forms as soon as possible.</p> |
| <p>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</p> <p>11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities</p> | <p>Numbers of people accessing collecting institutions from different demographic groups, notably women, children, older people and persons with disabilities.</p> <p>Increases in numbers of people accessing collecting institutions from different demographic groups.</p> <p>Measures taken to remove barriers to access green and public spaces.</p> <p>Extent of green space provided by collections institutions.</p> |

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| <p>SDG 12 Ensure sustainable consumption and production patterns 12.2 By 2030, achieve the sustainable management and efficient use of natural resources</p> | <p>Reduction of material footprint in terms of reductions in consumption of biomass, fossil fuels, metal ores and non-metal ores.</p> |
| <p>SDG 12 Ensure sustainable consumption and production patterns 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse</p> | <p>Quantity and reductions in quantity of waste of all kinds, including avoidance/prevention of waste production, reuse, and recycling. Quantity of material recycled in comparison with quantity sent to landfill. Increases in recycling rate in comparison with landfill.</p> |
| <p>SDG 12 Ensure sustainable consumption and production patterns 12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle</p> | <p>Clear visions, strategies and plans in place for all aspects of sustainability – environmental, social and economic (people, planet, prosperity)- across all areas of activity.</p> <p>Visions, strategies and plans relating to sustainability to be publicly available and incorporated into planning documents.</p> <p>Commitments to be in line with local, regional, national and/or international targets and ambitions.</p> <p>Incorporation of sustainability into reporting for funders and other stakeholders, including the public. Reporting to include commitments and progress towards targets.</p> |
| <p>SDG 12 Ensure sustainable consumption and production patterns 12.7 Promote public procurement practices that are sustainable, in accordance with national policies and priorities</p> | <p>Incorporation of sustainability considerations into procurement, in terms of advertisement and invitation to tender, contracts, and selection criteria for suppliers.</p> |
| <p>SDG 12 Ensure sustainable consumption and production patterns 12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development</p> | <p><i>12.8.1 Extent to which (i) global citizenship education and (ii) education for sustainable development (including climate change education) are mainstreamed in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment</i></p> |

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| <p>and lifestyles in harmony with nature</p> | <p>Extent to which global citizenship education and education for sustainable development (including climate change education) are mainstreamed in formal, informal and non-formal education programmes and activities drawing on and related to collections.</p> |
| <p>SDG 13. Take urgent action to combat climate change and its impacts 13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries</p> | <p>Plans in place for near and longer term to withstand and actively adapt to climate-related hazards and natural disasters.</p> |
| <p>SDG 13. Take urgent action to combat climate change and its impacts 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning</p> | <p>Plans in place to enhance positive contributions to addressing climate change through use of collections. Plans in place to ensure collections, collections institutions and broader society can adapt effectively to climate change.</p> <p>Plans in place for effective education and awareness raising on climate change mitigation, adaptation, impact reduction and early warning.</p> <p>Plans in place to reduce negative contributions of collections-related functions, e.g. measuring greenhouse emissions with plans and targets in place to reduce them.</p> |
| <p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution</p> | <p>Number of collections-related programmes, for example research and education, that aim to reduce marine pollution.</p> <p>Quantity, and reduction, of waste of all sorts, with plans in place to eliminate waste of all sorts as soon as possible.</p> <p>Quantity, and reduction, of plastic waste, with plans in place to eliminate the production and release of plastic waste as soon as possible.</p> |
| <p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse</p> | <p>Proportion of marine and coastal areas in a good ecological condition</p> <p>Numbers of educational and awareness-raising programmes, research activities, and partnerships drawing on collections aiming to support protection of marine and coastal areas.</p> |

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| <p>impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans</p> | |
| <p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.3 Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels</p> | <p>Quantity and reduction of carbon emissions.</p> <p>Number of activities drawing on collections that support scientific activity to reduce ocean acidification.</p> |
| <p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.4 By 2020, effectively regulate harvesting and end overfishing, illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans, in order to restore fish stocks in the shortest time feasible, at least to levels that can produce maximum sustainable yield as determined by their biological characteristics</p> | <p>Number of activities drawing on collections that support sustainable management of fisheries.</p> |
| <p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.5 By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and</p> | <p>Number of collections-based activities that support designation, management and science for the protection of marine and coastal protection areas.</p> |

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| <p>based on the best available scientific information</p> | |
| <p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.A Increase scientific knowledge, develop research capacity and transfer marine technology, taking into account the Intergovernmental Oceanographic Commission Criteria and Guidelines on the Transfer of Marine Technology, in order to improve ocean health and to enhance the contribution of marine biodiversity to the development of developing countries, in particular small island developing States and least developed countries</p> | <p>Number of collections-related activities that aim to increase scientific knowledge, and develop research capacity for the conservation and management of marine biodiversity, and to support its sustainable use.</p> |
| <p>SDG 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 15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements</p> | <p>Proportion of terrestrial and inland freshwater systems in a good ecological condition.</p> <p>Information on, programmes relating to, collections development, and partnerships relating to terrestrial and freshwater systems drawing on collections in place, to support their protection and effective functioning.</p> |
| <p>SDG 15 Protect, restore and promote sustainable use of terrestrial</p> | <p>Proportion of forests in a good ecological condition.</p> |

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| <p>ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss</p> <p>15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally</p> | <p>Information on, programmes relating to, collections development, and partnerships relating to forests drawing on collections in place, to support their protection and effective functioning.</p> |
| <p>SDG 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</p> <p>15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world</p> | <p>Proportion of soils and land area in a good ecological condition, with reference to desertification, drought and floods.</p> <p>Information on, programmes relating to, collections development, and partnerships relating to soils and land use (with reference to desertification, drought and floods) drawing on collections in place, to support their protection and effective functioning.</p> |
| <p>SDG 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</p> <p>15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to</p> | <p>Proportion of mountain ecosystems, including their biodiversity, in a good ecological condition.</p> <p>Information on, programmes relating to, collections development, and partnerships relating to mountain ecosystems and their biodiversity drawing on collections in place, to support their protection and effective functioning.</p> |

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| <p>provide benefits that are essential for sustainable development</p> | |
| <p>SDG 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 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species</p> | <p>Number and proportion of habitats, notably endangered habitats, and species with favourable conservation status, with special reference to locally, nationally and globally endangered species.</p> <p>Information on, programmes relating to, collections development, and partnerships relating to habitats and species drawing on collections in place, to support their protection and continued existence.</p> <p>Measures taken to enhance biodiversity value of green space associated with collections institutions.</p> |
| <p>SDG 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 15.8 By 2020, introduce measures to prevent the introduction and significantly reduce the impact of invasive alien species on land and water ecosystems and control or eradicate the priority species</p> | <p>Number and proportion of invasive alien species for which effective measures are in place to reduce their impact on land and water ecosystems.</p> <p>Information on, programmes relating to, collections development, and partnerships relating to invasive alien species, to support their effective management, and to prevent spread and impact.</p> |
| <p>SDG 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</p> | <p>Proportion and number of relevant plans, processes and strategies that incorporate ecosystem and biodiversity values, and their relationships with effective collections.</p> <p>Plans in place to ensure that development of collections facilities contributes to effective conservation and restoration of terrestrial ecosystems.</p> |

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| <p>15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts</p> | |
| <p>SDG 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 15.A Mobilize and significantly increase financial resources from all sources to conserve and sustainably use biodiversity and ecosystems</p> | <p>Revenue generated to conserve and sustainably use biodiversity and ecosystems.</p> <p>Direct financial support given to projects and organisations for conservation and/or sustainable use of biodiversity and ecosystems.</p> |
| <p>SDG 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 15.B Mobilize significant resources from all sources and at all levels to finance sustainable forest management and provide adequate incentives to developing countries to advance such management, including for conservation and reforestation</p> | <p>Revenue generated to conserve and sustainably use forests, including conservation and reforestation, and that support local and Indigenous peoples.</p> <p>Direct financial support given to projects and organisations to conserve and sustainably use forests, including for conservation and reforestation, and that support local and Indigenous peoples.</p> <p>Other forms of support provided to projects and organisations to conserve and sustainably use forests, including for conservation and reforestation, and that support local and Indigenous peoples.</p> |
| <p>SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt</p> | <p>Policies and plans in place to ensure objects and specimens of protected species (for example ivory, rhino horn) in collections are protected against theft and do not enter supply chains.</p> |

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| <p>and reverse land degradation and halt biodiversity loss 15.C Enhance global support for efforts to combat poaching and trafficking of protected species, including by increasing the capacity of local communities to pursue sustainable livelihood opportunities</p> | <p>Policies and plans in place to ensure that objects and specimens are only acquired in line with national and international legislation, or with legal dispensation.</p> <p>Revenue generated to combat poaching and trafficking of protected species, and to support local communities to pursue sustainable livelihoods.</p> <p>Direct financial support given to projects and organisations to combat poaching and trafficking of protected species, and to support local communities to pursue sustainable livelihoods.</p> |
| <p>SDG 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels. 16.B Promote and enforce non-discriminatory laws and policies for sustainable development</p> | <p><i>16.B.1 Proportion of population [audience/users/non-users] reporting having personally felt discriminated against or harassed in the previous 12 months on the basis of a ground of discrimination prohibited under international human rights law</i></p> <p>Number and proportion of policies that incorporate sustainable development considerations, in the full sense of recognizing all three of social, economic and environmental considerations.</p> |
| <p>SDG 17. Partnerships for the goals 17.9 Enhance international support for implementing effective and targeted capacity-building in developing countries to support national plans to implement all the Sustainable Development Goals, including through North-South, South-South and triangular cooperation</p> | <p>Number and diversity of international capacity-building activities to aid implementation of each and all of the SDGs.</p> <p>Number and diversity of North-South, South-South, and/or triangular co-operations and partnerships to aid implementation of each and all of the SDGs.</p> |
| <p>SDG 17. Partnerships for the goals 17.14 Enhance policy coherence for sustainable development</p> | <p>Proportion of policies that incorporate sustainable development considerations, linking to SDGs and targets.</p> <p>Incorporation of policy considerations from outside the collections sector into policies of collections-based institutions, to facilitate partnerships and effectiveness.</p> |

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| <p>SDG 17. Partnerships for the goals</p> <p>17.16 Enhance the global partnership for sustainable development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the sustainable development goals in all countries, in particular developing countries</p> | <p>Number and/or increase in number, and diversity of global and international multi-stakeholder partnerships that share collection-related knowledge, expertise, technology and financial resources to address the SDGs, or that otherwise involve collections-based organisations and institutions.</p> <p>Number and/or increase in number, and diversity of global and international multi-stakeholder partnerships involving developing countries that share collection-related knowledge, expertise, technology and financial resources to address the SDGs.</p> | | | | |
| <p>SDG 17. Partnerships for the goals</p> <p>17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships</p> | <p><i>17.17.1 Amount of United States dollars committed to public-private and civil society partnerships</i></p> <p>Number and/or increase in number, and diversity of local, national and regional multi-stakeholder (public, public-private and civil society) partnerships that address the SDGs drawing on collections, or that otherwise involve collections-based organisations and institutions.</p> | | | | |
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