

FORMAT		
1. Name of resource	International Principles and Standards for the Practice of Ecosystem Restoration	
2. Location	https://www.ser.org/general/custom.asp?page=SERStandards	
3. Alternative location		
4. Author[s]	G.D. Gann and others	
5. Publisher/producer/host	Society for Ecological Restoration (SER)	
6. Year	2019	
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8. Languages in which available	English, Chinese, French, Portuguese, Spanish, Ukrainian	
9. Geographic area resource relates to	Global	
10. Does the resource relate to a specific time frame?		
11. Type	Report	Yes
	Toolkit/Framework/Roadmap	Yes
	Sign-post to other resource	
	Case studies	
	Other	
12. If this is part of an initiative, what is the initiative?		
COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS		
13. Explicit links to collections	Yes	
14. Explicit links to museums/libraries/archives	Yes	
15. Types of institutions the resource covers	Museums	X
	Archives	
	Libraries	
	Other	X
	Arts, humanities and social sciences: philosophy,	

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		
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		X
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		X
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		

vi. governance and management	
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>“Ecological restoration, when implemented effectively and sustainably, contributes to protecting biodiversity; improving human health and wellbeing; increasing food and water security; delivering goods, services, and economic prosperity; and supporting climate change mitigation, resilience, and adaptation. It is a solutions-based approach that engages communities, scientists, policymakers, and land managers to repair ecological damage and rebuild a healthier relationship between people and the rest of nature. When combined with conservation and sustainable use, ecological restoration is the link needed to move local, regional, and global environmental conditions from a state of continued degradation, to one of net positive improvement.</p> <p>The second edition of the International Principles and Standards for the Practice of Ecological Restoration (the Standards) presents a robust framework for restoration projects to achieve intended goals, while addressing challenges including effective design and implementation, accounting for complex ecosystem dynamics (especially in the context of climate change), and navigating trade-offs associated with land management priorities and decisions.” (p.11)</p>
21. Intended audience of resource	

<p>22. Process of development</p>	<p>“International Principles and Standards for the Practice of Ecological Restoration (the Standards) was developed through consultation with professionals within the Society for Ecological Restoration and their peers in the global scientific and conservation communities. The first edition was launched in 2016 at the United Nations Biodiversity Conference in Cancún, Mexico. This event brought together key stakeholders from across the international policy arena, many of whom had been instrumental in driving the global initiatives to implement large-scale environmental restoration programs. Because the Standards were written as a living document to be modified and expanded through consultation and use by stakeholders, the launch included an open invitation for stakeholder input, to both improve the document and promote broad use...” (p.6)</p>
<p>23. Organisation/structure/contents</p>	<p>Authors 3 About the Society for Ecological Restoration 6 Document development 7 Executive summary 11 Section 1: Introduction 13 Section 2: Eight principles that underpin ecological restoration 18 Principle 1: Ecological restoration engages stakeholders 19 Principle 2: Ecological restoration draws on many types of knowledge 23 Principle 3: Ecological restoration practice is informed by native reference ecosystems, while considering environmental change 26 Principle 4: Ecological restoration supports ecosystem recovery processes 32 Principle 5: Ecosystem recovery is assessed against clear goals and objectives, using measurable indicators 34 Principle 6: Ecological restoration seeks the highest level of recovery attainable 40 Principle 7: Ecological restoration gains cumulative value when applied at large scales 45 Principle 8: Ecological restoration is part of a continuum of restorative activities 49 Section 3: Standards of practice for planning and implementing ecological restoration projects 55 1. Planning and design 55 2. Implementation 60 3. Monitoring, documentation, evaluation, and reporting 62 4. Post-implementation maintenance 66 Section 4: Leading practices 65</p>

	<p>Part 1: Developing reference models for ecological restoration 65</p> <p>Part 2: Identifying appropriate ecological restoration approaches 68</p> <p>Part 3: The role of ecological restoration in global restoration initiatives 70</p> <p>Section 5: Glossary of terms 77</p> <p>Literature cited 86</p> <p>Appendix 1: Selection of seeds and other propagules for restoration 92</p> <p>Appendix 2: Blank project evaluation templates (for practitioner use) 99</p>
FRAMEWORKS	
<p>24. Framework structure</p>	<p>The eight principles can be considered as a framework: “The Standards establish eight principles that underpin ecological restoration.</p> <p>Principles 1 and 2 articulate important foundations that guide ecological restoration: effectively engaging a wide range of stakeholders, and fully utilizing available scientific, traditional, and local knowledge, respectively.</p> <p>Principles 3 and 4 summarize the central approach to ecological restoration, by highlighting ecologically appropriate reference ecosystems as the target of restoration and clarifying the imperative for restoration activities to support ecosystem recovery processes.</p> <p>Principle 5 underscores the use of measurable indicators to assess progress toward restoration objectives.</p> <p>Principle 6 lays out the mandate for ecological restoration to seek the highest attainable recovery. Tools are provided to identify the levels of recovery aspired to and to track progress.</p> <p>Principle 7 highlights the importance of restoration at large spatial scales for cumulative gains.</p> <p>Finally, ecological restoration is one of several approaches that address damage to ecosystems and Principle 8 clarifies its relationships to allied approaches on a “Restorative Continuum.”” (p.11)</p>
<p>25. Relevant policy considerations</p>	<p>Yes</p>

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	X
North and South perspectives	X
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?	Yes
32. SDG targets specifically mentioned?	No
33. SDG indicators specifically mentioned?	No
SDGs AND SDG TARGETS AND LINKAGES	
34. Comments on SDG linkages	<p>The Standards are 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</p>

	<p>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). The effectiveness of interventions 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:</p> <p>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> <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>
35. SDGs and SDG targets the resource helps advance	
<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</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>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>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 to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed</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> <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 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>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>
<p>SDG 6. Ensure availability and sustainable management of water and sanitation for all</p> <p>6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests,</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</p>

wetlands, rivers, aquifers and lakes	protection of these as effective nature-based solutions and ecosystem services.
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	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.
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	Collections development to support sustainable water management and sanitation for all. Number of programmes for local communities directed towards water quality improvement and sanitation management.
SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization 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	Number and proportion of collections facilities that effectively support research and researchers. Number and proportion of staff who are appropriately skilled to undertake and support collections-based research. Expenditure on initiatives to enhance and upgrade collections facilities. Numbers of staff engaged in supporting and developing research use based on collections. Number of initiatives to encourage innovation drawing on collections. Increase in number of research and development workers per 1 million people.

	<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 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>
<p>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable 11.4 Strengthen efforts to protect and safeguard the world’s cultural and natural heritage</p>	<p><i>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</i></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 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 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>
<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</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>sustainability information into their reporting cycle</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 and lifestyles in harmony with nature</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> <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>

	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>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</p> <p>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</p> <p>14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans</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>
<p>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</p> <p>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</p>	<p>Number of activities drawing on collections that support sustainable management of fisheries.</p>

<p>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>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 based on the best available scientific information</p>	<p>Number of collections-based activities that support designation, management and science for the protection of marine and coastal protection areas.</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</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>particular small island developing States and least developed countries</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 ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss 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>Proportion of forests in a good ecological condition.</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</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</p>

<p>degradation and halt biodiversity loss 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>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 15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development</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>
<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</p>	

<p>ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss</p> <p>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>15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts</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>
<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.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 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 objects and specimens of protected species (for example ivory, rhino horn) in collections are protected against theft and do not enter supply chains.</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</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</p>

and policies for sustainable development	recognizing all three of social, economic and environmental considerations.
<p>SDG 17. Partnerships for the goals</p> <p>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</p> <p>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>
<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,</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-</p>

building on the experience and resourcing strategies of partnerships		private and civil society) partnerships that address the SDGs drawing on collections, or that otherwise involve collections-based organisations and institutions.			
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7	8	9	10	11	12
13	14	15	16	17	