

<b>FORMAT</b>		
1. Name of resource	<b>Museums Collections and Biodiversity Conservation</b>	
2. Location	<a href="https://curatingtomorrow236646048.wordpress.com/2019/07/24/museum-collections-and-biodiversity-conservation-new-advocacy-resource-for-conservationists-ecologists-and-museum-workers/">https://curatingtomorrow236646048.wordpress.com/2019/07/24/museum-collections-and-biodiversity-conservation-new-advocacy-resource-for-conservationists-ecologists-and-museum-workers/</a>	
3. Alternative location	<a href="http://www.curatingtomorrow.co.uk/wp-content/uploads/2020/01/museum-collections-and-biodiversity-conservation-2019.pdf">http://www.curatingtomorrow.co.uk/wp-content/uploads/2020/01/museum-collections-and-biodiversity-conservation-2019.pdf</a>	
4. Author[s]	H. McGhie	
5. Publisher/producer/host	Curating Tomorrow	
6. Year	2019	
7. Suggested citation	McGhie, H.A. (2019). <i>Museum collections and biodiversity conservation</i> . Curating Tomorrow, UK.	
8. Languages in which available	English	
9. Geographic area resource relates to	UK and worldwide	
10. Does the resource relate to a specific time frame?	No	
<b>11. Type</b>	Report	X
	Toolkit/Framework/Roadmap	X
	Sign-post to other resource (database)	
	Case studies	
	Other	
12. If this is part of an initiative, what is the initiative?		
<b>COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS</b>		
13. Explicit links to collections	Yes	
14. Explicit links to museums/libraries/archives	Yes	
<b>15. Types of institutions the resource covers</b>	Museums	X
	Archives	
	Libraries	
	Other	
16. Does the resource relate to specific disciplines?	Arts, humanities and social sciences: philosophy, 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		
<b>HOW IT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT</b>		
<b>18. Collections-related activities the resource relates to (mark all that apply)</b>		
<b>Develop collections to protect and safeguard wider cultural and natural heritage more effectively, and that support sustainable development</b> for example by targeting collecting to threatened forms of heritage in strategic ways		X
<b>Use collections to promote learning and educational opportunities that contribute to sustainable development more effectively</b> , 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		
<b>Use collections to promote cultural participation/social inclusion more effectively</b> , for example by reducing barriers to participation, to ensure no-one is 'left behind'		
<b>Use collections to promote sustainable tourism more effectively</b> , for example by developing new products based on local cultural heritage, and/or considering the rights of stakeholder groups in relation to collections		
<b>Use collections to support research that contributes to sustainable development</b> (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)		
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		

<b>Direct external leadership, partnerships and collaborations towards sustainable development more effectively</b> , for example by developing impactful partnerships	X
<b>19. Does the resource relate clearly to any international conventions (mark all that apply)?</b>	
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
<b>AIMS AND CONTENT</b>	
<b>20. What issues does the resource aim to address?</b>	“We live in a time of unprecedented environmental change, with climate change, habitat alteration, pollution, invasive species and over-exploitation all contributing to species declines (Millennium Ecosystem Assessment 2005, IPBES 2019). Biodiversity researchers, policy workers, and site and species managers work to stem the tide of declines. Museum collections play a key role, or could play a key role, through supporting biodiversity and nature conservation-related research, management and policy; they also support public education about biodiversity, although that is not the focus of this booklet. This booklet explores some of the problems biodiversity faces, and examples of how UK museum collections can help biodiversity workers meet these challenges.”
21. Intended audience of resource	“This booklet is aimed at ecologists, conservation scientists, wildlife managers, biodiversity and environmental records workers, environmental policy makers, and museum workers. It is intended to be useful for both nature conservation and museum sectors, to promote a common understanding of the potential of natural history collections, to support their effective use and development, and, most importantly, to conserve global biodiversity.”
22. Process of development	The booklet is based around a study funded by the British Ecological Society in 2018–19. The study undertook a survey of biodiversity workers and UK museum workers, to understand their perceptions of the potential of UK natural

	<p>history collections to support the conservation of global biodiversity.</p> <p>“The study was framed around ‘One Hundred Questions of Importance to the Conservation of Global Biodiversity’ (Sutherland <i>et al.</i> 2009). The aim of that study was to compile a list of 100 questions that, if answered, would have the greatest impact on the conservation of biological diversity worldwide.”</p>
<p>23. Organisation/structure/contents</p>	<ul style="list-style-type: none"> <li>• Who is this booklet for?</li> <li>• Introduction</li> <li>• The State of Nature: an ongoing decline</li> <li>• Museums and the conservation of global biodiversity</li> <li>• How are natural history collections useful for research? An example</li> <li>• Where are natural history collections in the UK?</li> <li>• How can museum collections help address challenges to biodiversity in a strategic way?</li> <li>• Museum collections and ecosystem services</li> <li>• Museum collections and ecosystem services: An example</li> <li>• Museum collections as tools for studying climate change</li> <li>• Museums are the original Big Data</li> <li>• Museum collections are windows on evolutionary processes</li> <li>• Research based on natural history collections benefits science and society</li> <li>• Museums fit for the future</li> <li>• Participants in this study</li> <li>• References and further reading</li> </ul>
<p>FRAMEWORKS</p>	
<p>24. Framework structure</p>	<p>The resource examines biodiversity workers’ and museum workers’ perceptions of the usefulness of UK museum collections to answer research questions in relation to twelve topics:</p> <ol style="list-style-type: none"> <li>1. Ecosystem function and services</li> <li>2. Impact of climate change on biodiversity and ecosystems</li> <li>3. Impacts of technological change on biodiversity</li> <li>4. Protected areas and biodiversity</li> <li>5. Ecosystem management and restoration: impacts on biodiversity</li> <li>6. Terrestrial ecosystems</li> <li>7. Marine ecosystems</li> </ol>

	<p>8. Freshwater ecosystems  9. Species management  10. Nature conservation organizational systems and processes  11. Societal context and change, and its impacts on species/habitats  12. Impacts of nature conservation interventions</p> <p>“There was a fairly strong agreement between biodiversity workers and UK museum workers as to which of the 100 questions they thought UK museum collection could support. There were 32 questions 50% or more members of both groups thought museum collections could support, and 49 questions neither group thought museum collections could support. These 32 questions can be thought of as a strategic direction for biodiversity workers and UK museum workers, to develop use of collections to support biodiversity research, policy and site/species management.”</p> <p>The resource makes 5 recommendations for enhancing natural history collections’ contribution to biodiversity conservation (and, consequently, the SDGs):</p> <ol style="list-style-type: none"> <li>1. Stronger support for basic care of collections and sharing collections information is needed, within museums and across the museum sector.</li> <li>2. Ensuring collections have appropriate levels of staffing, with skills to facilitate the effective use of collections, should be a key priority for museums and museum funders.</li> <li>3. Building common purpose between nature conservation and museum sectors should be a priority, to ensure that museum policy development, and associated funding, contribute effectively to the achievement of environmental policies and agendas such as the CBD.</li> <li>4. Collections need to continue to be developed to ensure that time series studies can be made, and that specimens are preserved and information curated so that they are useful...</li> <li>5. Museum workers need to work in concert with biodiversity workers, to ensure collections can meet biodiversity workers’ needs in an ongoing way.</li> </ol>
25. Relevant policy considerations	Yes
26. Resources for implementation identified	Yes
27. Specific assessment	No

points/indicators/milestones/action plan for monitoring	
<b>28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)</b>	
People (social sustainability)	
Planet (environmental sustainability)	X
Prosperity (economic sustainability)	
Peace	
Partnerships	X
<b>29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)</b>	
Gender perspectives	
North and South perspectives	
<b>HOW THE RESOURCE CONTRIBUTES TO AGENDA 2030 AND THE SDGs</b>	
<b>HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE</b>	
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
<b>SDGs AND SDG TARGETS AND LINKAGES</b>	
34. Comments on SDG linkages	<p>Effective collections, including seedbanks and collections of genetic material form the subject of SDG 2.5.</p> <p>Making use of collections for early warning, risk reduction and management of health risks, impacts of climate change and the impacts of disasters is the subject of SDGs 3.D, 11.5 and 13.1.</p> <p>Protecting water-related ecosystems is the subject of SDG 6.6.</p> <p>Development of effective collections and collections facilities, and web-based digital access to collections information to support discovery and use supports SDGs 9.1; enhancing scientific research supports SDG 9.5. Supporting developing countries to make greater use of specimens and data in natural history collections would support SDG 9.A.</p> <p>Ensuring staff have the skills to support research and researchers supports SDGs 4.4 and 9.5.</p>

	<p>Protection of natural heritage, both in museums and more widely, forms part of SDG 11.4.</p> <p>The resource supports many of the targets in SDGs 14 and 15.</p> <p>The resource also helps support SDGs around partnerships, notably SDGs 17.16 and 17.17.</p> <p>Recommendations for effective policies between the museum sector and nature conservation sectors supports SDG 17.14.</p>
<b>35. SDGs and SDG targets the resource helps advance</b>	
<p><b>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</b></p> <p>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><b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b></p> <p>3.D Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks.</p>	<p>Number of collecting initiatives that aim to build capacity for risk reduction to national and global health risks, for example by storing and preserving collections that may be of use in post-disaster scenarios, or that can be used in early warning and risk communication activities.</p> <p>Number of educational programmes incorporating perspectives on early warning, risk reduction and management of national and global health risks.</p> <p>Number of awareness raising programmes that target marginalized and vulnerable groups most exposed to health risks.</p> <p>Plans in place for early warning, risk reduction and management to national and global health risks.</p> <p>Relationships and partnerships in place for risk reduction and management in light of national and global health risks.</p>
<p><b>SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</b></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><b>SDG 6. Ensure availability and sustainable management of water and sanitation for all</b></p> <p>6.6 By 2020, protect and restore water-related ecosystems, including</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</p>

<p>mountains, forests, wetlands, rivers, aquifers and lakes</p>	<p>collections and collections-based institutions in place, to support protection of these as effective nature-based solutions and ecosystem services.</p>
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b>  9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all</p>	<p>Development of research-useful collections to support reliable, sustainable and resilient use by researchers and others.</p> <p>Number and proportion of collections facilities and stores that support economic development and human well-being.</p> <p>Number and proportion of collections facilities and stores that provide affordable and equitable access for all.</p> <p>Investment in collections facilities.</p> <p>Inclusion of collections information in regional and transborder initiatives, notably via digital access for discoverability.</p>
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization</b>  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><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b></p> <p>9.A Facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States.</p>	<p>Plans in place to support development of sustainable and resilient infrastructure in developing countries through financial, technological and technical support, for example through:</p> <ul style="list-style-type: none"> <li>i. joint projects,</li> <li>ii. funding bids,</li> <li>iii. sharing equipment, collections and collections information as appropriate,</li> <li>iv. in order to support development of high-quality infrastructures for sustainable development, research and innovation.</li> </ul>
<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>11.4 Strengthen efforts to protect and safeguard the world's cultural and natural heritage</p>	<p><b><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></b></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><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>11.5 By 2030, significantly reduce the number of</p>	<p>Collections-based research that supports the understanding and management of disasters of all kinds.</p> <p>Plans in place for public education and awareness drawing on collections and collections-based institutions to reduce</p>

<p>deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations</p>	<p>exposure and vulnerability to disasters of all kinds.</p> <p>Plans in place to ensure collections-based institutions steadily work to reduce their contributions to disaster risk, for example by reducing pollution and waste of all kinds.</p> <p>Plans in place to ensure collections-based institutions, and people related to them (including workers) are protected from economic losses as a result of disasters.</p> <p>Plans in place to provide special support/protection to poor and vulnerable people and groups in and following disasters.</p>
<p><b>SDG 13. Take urgent action to combat climate change and its impacts</b> 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><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 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><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 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</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>order to achieve healthy and productive oceans</p>	
<p><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 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><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 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><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 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><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources</b></p>	<p>Number of collections-related activities that aim to</p>

<p><b>for sustainable development</b>  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>increase scientific knowledge, and develop research capacity for the conservation and management of marine biodiversity, and to support its sustainable use.</p>
<p><b>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</b>  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><b>SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt</b></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><b>biodiversity loss</b> 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><b>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</b> 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><b>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</b> 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><b>SDG 15 Protect, restore and promote sustainable use of terrestrial</b></p>	<p>Number and proportion of habitats, notably endangered habitats, and species with favourable conservation status,</p>

<p><b>ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss</b></p> <p>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>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><b>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</b></p> <p>15.6 Promote fair and equitable sharing of the benefits arising from the utilization of genetic resources and promote appropriate access to such resources, as internationally agreed</p>	<p>Policies, plans and agreements in place for access and benefit sharing relating to use of collections, in line with the Nagoya Protocol (notably relating to natural history collections, gene banks, tissue banks, seed banks).</p> <p>Effective communication and dissemination methods in place to promote access to resources, and access to relevant policies, plans and agreements, in place.</p>
<p><b>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</b></p> <p>15.7 Take urgent action to end poaching and trafficking of protected species of flora and fauna and address both demand and supply of illegal wildlife products</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>Information on, programmes relating to, collections development, and partnerships relating to poached and trafficked species, notably protected and endangered species, to end poaching and trafficking.</p>

<p><b>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</b> 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><b>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</b> 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><b>SDG 17. Partnerships for the goals</b> 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><b>SDG 17. Partnerships for the goals</b> 17.16 Enhance the global partnership for sustainable development,</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</p>

<p>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>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><b>SDG 17. Partnerships for the goals</b> 17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships</p>		<p><b>17.17.1 Amount of United States dollars committed to public-private and civil society partnerships</b></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>			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	