FORMAT			
1. **Name of resource**	**Guidelines on the implementation of "IUCN policy statement on research involving species at risk of extinction", with special reference to scientific collecting of threatened species**		
2. Location	https://www.iucnredlist.org/resources/guidelines-for-appropriate-uses-of-red-list-data		
3. Alternative location			
4. Author[s]	IUCN		
5. Publisher/producer/ host	IUCN		
6. Year	2016		
7. Suggested citation	IUCN (2016). Guidelines on the implementation of "IUCN policy statement on research involving species at risk of extinction", with special reference to scientific collecting of threatened species. IUCN, available at https://www.iucnredlist.org/resources/guidelines-for-appropriate-uses-of-red-list-data		
8. Languages in which available	English		
9. Geographic area resource relates to	Global		
10. Does the resource relate to a specific time frame?			
11. Type	Report		
	Toolkit/Framework/Roadmap	Yes	
	Sign-post to other resource (database)		
	Case studies		
	Other		
12. Part of an initiative?	Part of 'Guidelines for Appropriate Uses of IUCN Red List Data' (IUCN)		
COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS			
13. Explicit links to collections	Yes		
14. Explicit links to museums/libraries/archives	Yes		
15. Types of institutions relevant to	Museums	X	
	Archives		
	Libraries		
	Other	X	
	Arts, humanities and social sciences: philosophy, psychology, religion, social		

16. Does the resource relate to specific disciplines?	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	
Use collections to promote cultural participation/social inclusion more effectively, for example by reducing barriers to participation, to ensure no-one is 'left behind'	X
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)	
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	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?	"The guidelines are… intended to promote responsible collecting of threatened species by researchers. These guidelines do not address the specific issue of taking live individuals… from the wild for maintenance in ex-situ collections." (p.2)	
21. Intended audience of resource	[Researchers and others involved in collecting of specimens of endangered species]	
22. Process of development	Second edition (first ed. 2011).	
23. Organisation/structure/contents	Guidelines [background and purpose] Recommendations	
FRAMEWORKS		
24. Framework structure	The resource consists of eight recommendations that can be considered as a framework. See the resource for further information.	
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)		

Planet (environmental sustainability)	X
Prosperity (economic sustainability)	
Peace	X
Partnerships	X
29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)	
Gender perspectives	
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?	No
31. SDGs specifically mentioned?	No
32. SDG targets specifically mentioned?	No
33. SDG indicators specifically mentioned?	No
SDGs AND SDG TARGETS AND LINKAGES	
34. Comments on SDG linkages	The resource is strongly related to SDG 9.5 (enhance scientific research). Access and benefits sharing of genetic resources (the subject of the Nagoya Protocol) is the subject of two SDG targets, SDGs 2.5 and 15.6. These are also related to SDG 11.4 (strengthen efforts to protect and safeguard cultural and natural heritage), 15.1 (on conserving wildlife) and 15.5 on preventing extinctions) and 16.6 (transparent, effective and accountable institutions), and 16.B (promote laws and policies for sustainable development), which also support SDGs 17.14 (policy coherence).
35. SDGs and SDG targets the resource helps advance	
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	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. Number of educational programmes related to genetic diversity of domesticated plants, animals and wild relatives.

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	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). 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. Number of research activities that help understand traditional knowledge, and genetic diversity of crop plants and animals. Ensure that producers of crop plants and animals are fairly compensated. 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). Number of partnerships at national, regional and international levels, as appropriate, to soundly manage seed and plant banks.
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. Increase in public and private research and development spending being used to develop and make use of collections.

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	***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*** 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. Plans, policies and procedures in place for the identification, safeguarding and protection of cultural and natural heritage at risk. 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. Number and diversity of educational, awareness-raising, research programmes, and partnerships that aim to strengthen protection of cultural and natural heritage.
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	Proportion of terrestrial and inland freshwater systems in a good ecological condition. 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.
SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat	Number and proportion of habitats, notably endangered habitats, and species with favourable conservation status, with special reference to locally, nationally and globally endangered species.

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	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.

Measures taken to enhance biodiversity value of green space associated with collections institutions. |
| **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** 15.6 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 | 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).

Effective communication and dissemination methods in place to promote access to resources, and access to relevant policies, plans and agreements, in place. |
| **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.** 16.6 Develop effective, accountable and transparent institutions at all levels | *16.6.2 Proportion of the population [audience/users/non-users] satisfied with their last experience of public services* Access to information, and accountability policies and mechanisms, in place.

Effective institutional arrangements, both for own working and for working in partnership with other sectors, in place.

Plans and arrangements in place for extraordinary circumstances such as natural and human-caused disasters.

Effective arrangements in place to fulfil legal and social obligations and responsibilities.

Effective arrangements in place for transparent communication and reporting of institutional performance. |

		Effective arrangements in place for transparent decision-making and accountability.			
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		*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* Number and proportion of policies that incorporate sustainable development considerations, in the full sense of recognizing all three of social, economic and environmental considerations.			
SDG 17. Partnerships for the goals 17.14 Enhance policy coherence for sustainable development		Proportion of policies that incorporate sustainable development considerations, linking to SDGs and targets. Incorporation of policy considerations from outside the collections sector into policies of collections-based institutions, to facilitate partnerships and effectiveness.			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	