FORMAT			
1. Name of resource	**Ecosystem-based Adaptation and the Successful Implementation and Achievement of the Sustainable Development Goals**		
2. Location	https://doi.org/10.5281/zenodo.6789086		
3. Alternative location	https://www.iucn.org/resources/file/ecosystem-based-adaptation-and-successful-implementation-and-achievement-sustainable		
4. Author[s]	FEBA (Friends of Ecosystem-based Adaptation)		
5. Publisher/producer/host	FEBA (Friends of Ecosystem-based Adaptation)		
6. Year	2022		
7. Suggested citation	FEBA (Friends of Ecosystem-based Adaptation) (2022). Ecosystem-based Adaptation and the successful implementation and achievement of the Sustainable Development Goals. IUCN, Gland, Switzerland, available at https://doi.org/10.5281/zenodo.6789086		
8. Languages in which available	English		
9. Geographic area resource relates to	Global		
10. Does the resource relate to a specific time frame?	2015-30		
11. Type	Report		Yes
	Toolkit/Framework/Roadmap		Yes
	Sign-post to other resource (database)		Yes
	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	No		
14. Explicit links to museums/libraries/archives	No		
15. Types of institutions the resource covers	**Museums**		X
	Archives		X
	Libraries		X
	Other		X
16. Types of collections/disciplin	Arts, humanities and social sciences: philosophy, psychology, religion, social		

es the resource covers	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	Collections-based institutions can use the resource to inform education, awareness-raising programmes and management decisions, to incorporate biodiversity and ecosystem values into decisions.	

HOW IT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT

18. Collections-related activities the resource relates to (mark all that apply)

Develop collections to protect and safeguard wider cultural and natural heritage more effectively, for example by targeting collecting to threatened forms of heritage in strategic ways	
Use collections to promote learning and educational opportunities that contribute to sustainable development more effectively, for example education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development and/or skills development relating to collections	X
Use collections to promote cultural participation/social inclusion more effectively, for example by reducing barriers to participation, to ensure no-one is 'left behind'	
Use collections to promote sustainable tourism more effectively, for example by developing new products based on local cultural heritage, and/or considering the rights of stakeholder groups in relation to collections	
Use collections to support research that contributes to sustainable development (including all forms of personal and self-directed research at all levels that make use of stored collections) more effectively, for example by providing effective facilities, collections and information to meet researchers' needs	
Make decisions around collections that contribute to sustainable development more effectively	
i. employment (recruiting, staff training, staff safety)	
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?	"This report dives into of the connections between EbA [Ecosystem-based Adaptation] and each of the 17 SDGs. The following 17 sections addresses the threats posed by climate change, ecosystem degradation, and/or biodiversity loss, including how these impede the achievement of a given SDG. Each section subsequently provides an overview of how an effectively implemented EbA approach can underpin successful achievement of a given SDG. The full bibliography provides context and information for expanding this knowledge base." (p.9)
21. Intended audience of resource	[Policy workers and practitioners]
22. Process of development	"This report on synergies between Ecosystem-based Adaptation and the Sustainable Development Goals benefitted from the vast knowledge and valuable resources provided by experts on nature-based solutions, sustainable development, ecosystem management, and climate change adaptation from across the world. This work has been made possible by the financial support of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) and the Swedish Development Aid Authority (Sida)." (p.2)
23. Organisation/structure/contents	Acknowledgements 2 Acronyms 4 1. Introduction 6

	2. The importance of EbA to the SDGs 8 [sections on the 17 SDGs] 3. Conclusion 32 Bibliography 34
FRAMEWORKS	
24. Framework structure	The resource is structured around a typology of species, practices and uses that can be considered as a framework (p.4), see the resource for further details.
25. Relevant policy considerations	Yes
26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/milestones/action plan for monitoring	Yes
28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)	
People (social sustainability)	X
Planet (environmental sustainability)	X
Prosperity (economic sustainability)	X
Peace	X
Partnerships	X
29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)	
Gender perspectives	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?	Yes
33. SDG indicators specifically mentioned?	No
SDGs AND SDG TARGETS AND LINKAGES	
34. Comments on SDG linkages	The resource can support SDG targets related to the use of natural resources, and environmental education.

	These include 1.4 (equal access to all forms of resources, including natural resources), 2.4 (support sustainable agriculture), 4.7 (Education for Sustainable Development), 6.6 (sustainable management and restoration of water-related ecosystems), 11.4 (protection and safeguarding of cultural and natural heritage), 11.5 (reducing the impact of disasters), 11.B (policies for Disaster Risk Reduction and inclusion), 12.8 (information for sustainable development and lifestyles in harmony with nature), 13.1 (promoting climate adaptation in all countries), 13.3 (climate education and awareness), 14.2 (conservation of marine and coastal habitats), 15.1 (sustainable use of nature), 15.9 (integrating biodiversity values into planning at all levels) and 17.19 (measures of sustainable development beyond GDP).
35. SDGs and SDG targets the resource helps advance	
SDG 1: End poverty in all its forms everywhere 1.4 By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance	Numbers and proportions of people from particular groups using collections in comparison with demographics in broader society. Numbers of people accessing collections. Number of targeted programmes that aim to enhance access to collections by disadvantaged groups. Sustainable tourism that enhances local communities' access to basic services, ownership and control over land and other forms of property (including cultural and natural heritage), as well as to technology and markets. Involvement of people from disadvantaged groups in decision-making activities and processes relating to collections and collections-based institutions.
SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 2.4 By 2030, ensure sustainable food production systems to implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate	Collections development related to sustainable food production where appropriate. Number of educational and awareness-raising programmes incorporating sustainable food production perspectives, and that aim to reduce the impact of disasters on communities. Number of targeted programmes that support those most exposed and vulnerable to disasters, whether locally or farther afield.

change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.	Number of research activities drawing on collections that relate to resilient agricultural practices, helping mitigate and adapt to climate change, flooding and other disasters. Policies and plans in place to eliminate unsustainable food production from supply chains and in any food provision in collections-based institutions. 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.
SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all 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	Numbers of people in each type of programme drawing on collections from different demographic groups. Increases in numbers of people in each type of programme from different demographic groups. Proportion of people involved in such programmes in relation to overall audience size. Evidence that learners have acquired knowledge and skills to promote sustainable development.
SDG 6. Ensure availability and sustainable management of water and sanitation for all 6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes	Proportion of water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes in a good ecological condition. Information on, programmes relating to, and partnerships relating to water-related ecosystems drawing on collections and collections-based institutions in place, to support protection of these as effective nature-based solutions and ecosystem services.

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 11. Make cities and human settlements inclusive, safe, resilient and sustainable 11.5 By 2030, significantly reduce the number of 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	Collections-based research that supports the understanding and management of disasters of all kinds. Plans in place for public education and awareness drawing on collections and collections-based institutions to reduce exposure and vulnerability to disasters of all kinds. 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. 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. Plans in place to provide special support/protection to poor and vulnerable people and groups in and following disasters.
SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable	***11.B.1 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line***

11.B By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels	***with the Sendai Framework for Disaster Risk Reduction 2015-2030a*** Disaster Risk Reduction strategies and plans in place, in line with the Sendai Framework for Disaster Risk Reduction, to ensure collecting institutions and collections are factored into planning, and contribute effectively to Disaster Risk Reduction.
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	***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*** 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.
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	Plans in place for near and longer term to withstand and actively adapt to climate-related hazards and natural disasters.
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	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. Plans in place for effective education and awareness raising on climate change mitigation, adaptation, impact reduction and early warning.

	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.
SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans	Proportion of marine and coastal areas in a good ecological condition Numbers of educational and awareness-raising programmes, research activities, and partnerships drawing on collections aiming to support protection of marine and coastal areas.
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 freshwater ecosystems in a good ecological condition. Information on, educational programmes, collections development, research and partnerships relating to terrestrial and freshwater ecosystems drawing on collections in place. Policies relating to collections and their use aligned with international agreements for conservation and sustainable use of biodiversity.
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	Proportion and number of relevant plans, processes and strategies that incorporate ecosystem and biodiversity values, and their relationships with effective collections. Plans in place to ensure that development of collections facilities contributes to effective conservation and restoration of terrestrial ecosystems.

15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts	
SDG 17. Partnerships for the goals 17.19 By 2030, build on existing initiatives to develop measurements of progress on sustainable development that complement gross domestic product, and support statistical capacity-building in developing countries	Identification and implementation of measures for sustainable development incorporating social and environmental considerations. Identification and implementation of both quantitative and qualitative measures of sustainable development.

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