

FORMAT		
1. Name of resource	What do we have to lose? Understanding and responding to climate-induced loss and damage to cultural heritage	
2. Location	https://odi.org/en/publications/what-do-we-have-to-lose-understanding-and-responding-to-climate-induced-loss-and-damage-to-cultural-heritage/	
3. Alternative location		
4. Author[s]	S. Steadman, A. Gilmour, S. Colenbrander and C. Watson	
5. Publisher/producer/host	ODI	
6. Year	2022	
7. Suggested citation	Steadman, S., Gilmour, A., Colenbrander, S. and C. Watson (2022). What do we have to lose? Understanding and responding to climate-induced loss and damage to cultural heritage. ODI, available at https://odi.org/en/publications/what-do-we-have-to-lose-understanding-and-responding-to-climate-induced-loss-and-damage-to-cultural-heritage/	
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	Yes
	Toolkit/Framework/Roadmap	Yes
	Sign-post to other resource (database)	
	Case studies	Yes
	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	X
	Libraries	X
	Other	X
16. Types of collections/disciplin	Arts, humanities and social sciences: philosophy,	

es the resource covers	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	
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'	
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	
vii. security, disaster preparedness and risk reduction	X
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	
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 most effective way to avert or minimise further climate-induced loss and damage is to reach net-zero anthropogenic emissions as quickly as possible. The second most effective way is through actions to prepare for and adjust to the impacts of climate change. Thus, climate change mitigation and adaptation can be understood as strategies to avert and minimise potential or avoidable loss and damage. This paper looks beyond mitigation and adaptation, offering a range of examples where loss and damage to cultural heritage is successfully being averted and minimised.” (p.1)
21. Intended audience of resource	[Heritage sector, climate policy workers, authorities]
22. Process of development	
23. Organisation/structure/contents	Executive summary / 1 1 Introduction / 3 2 Understanding the nature and scale of cultural loss and damage / 5 2.1 Defining loss of, and damage to, cultural heritage / 5 2.2 Causes of cultural loss and damage / 8 2.3 The impacts of cultural loss and damage / 12 2.4 Measuring the value of loss and damage relating to cultural heritage / 14

	<p>3 Responding to cultural heritage loss and damage: a review of the options / 15</p> <p>3.1 Averting and minimising loss and damage relating to cultural heritage / 16</p> <p>3.2 Addressing cultural loss and damage / 19</p> <p>4 Conclusion / 23</p> <p>Appendix 1 Examples of loss and damage relating to cultural heritage / 25</p> <p>Appendix 2 Examples of avoided loss and damage relating to cultural heritage / 28</p> <p>Endnotes / 31</p> <p>Boxes</p> <p>Box 1 Loss and damage in the Arctic Circle / 7</p> <p>Box 2 Loss and damage in the Pacific / 10</p> <p>Box 3 Loss and damage in the Sahel / 12</p> <p>Figures</p> <p>Figure 1 Key loss and damage milestones within the UNFCCC / 3</p> <p>Figure 2 Loss and damage in the Arctic Circle / 6</p> <p>Figure 3 Classification of cultural heritage with examples that have experienced loss and damage / 8</p> <p>Figure 4 Loss and damage in the Pacific / 9</p> <p>Figure 5 Loss and damage in the Sahel / 11</p> <p>Figure 6 Classification of cultural heritage with examples of averted and minimised loss and damage / 18</p>
FRAMEWORKS	
24. Framework structure	<p>The resource proposes a framework of five main options for conceptualizing loss and damage of cultural heritage:</p> <ol style="list-style-type: none"> 1. Restitution: restoring those affected to their original situation (or as close as possible) before the loss and damage occurred. 2. Rehabilitation: redressing or repairing the loss and damage through the provision of social services such as healthcare, education or legal support. 3. Satisfaction: symbolic measures to recognize loss and damage, such as truth-seeking, apologies or memorialisation. 4. Material compensation: the provision of money or other benefits in compensation for loss and damage. 5. Guarantees of non-repetition: commitments and measures to prevent similar loss and damage in the future, such as codes of conduct, training or governance reform.
25. Relevant policy considerations	Yes

26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/milestones/action plan for monitoring	Yes
28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)	
People (social sustainability)	X
Planet (environmental sustainability)	X
Prosperity (economic sustainability)	X
Peace	X
Partnerships	X
29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)	
Gender perspectives	
North and South perspectives	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 most closely linked with SDG targets relating to climate action, Disaster Risk Reduction, and heritage protection, notably SDGs 13.1 (strengthen resilience to climate impacts), 13.2 (Integrate climate change measures into national policies, strategies and planning), 13.3 (increase institutional and societal capacity for climate action), 11.4 (strengthen efforts to protect and safeguard cultural and natural heritage), 11.5 (reduce the impact of disasters), 11.B (integrated policy making for inclusion and Disaster Risk Reduction), 17.17 (cross-sector partnerships) and 17.19 (measures for sustainable development beyond GDP).

35. SDGs and SDG targets the resource helps advance	
<p>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</p> <p>11.4 Strengthen efforts to protect and safeguard the world's cultural and natural heritage</p>	<p>11.4.1 Total expenditure (public and private) per capita spent on the preservation, protection and conservation of all cultural and natural heritage, by type of heritage</p> <p>Plans, policies and procedures in place for the safe use of collections for a variety of purposes, protecting and safeguarding both collections and those who use them.</p> <p>Plans, policies and procedures in place for the identification, safeguarding and protection of cultural and natural heritage at risk.</p> <p>Collecting programmes in place to protect, safeguard and make use of cultural and natural heritage, addressing the needs of communities and stakeholders, and ensuring that collections can be an effective resource for sustainable development.</p> <p>Number and diversity of educational, awareness-raising, research programmes, and partnerships that aim to strengthen protection of cultural and natural heritage.</p>
<p>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</p> <p>11.5 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</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 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>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</p>	<p>11.B.1 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030a</p>

<p>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</p>	<p>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.</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 13.2 Integrate climate change measures into national policies, strategies and planning</p>	<p>National organisations, institutions and networks relating to collections and collections-based institutions to have integrated climate change measures into policies, strategies and planning relating to collections and collections-based institutions, including funding and other resourcing considerations.</p>
<p>SDG 13. Take urgent action to combat climate change and its impacts 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning</p>	<p>Plans in place to enhance positive contributions to addressing climate change through use of collections. Plans in place to ensure collections, collections institutions and broader society can adapt effectively to climate change.</p> <p>Plans in place for effective education and awareness raising on climate change mitigation, adaptation, impact reduction and early warning.</p> <p>Plans in place to reduce negative contributions of collections-related functions, e.g. measuring greenhouse emissions with plans and targets in place to reduce them.</p>

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