

FORMAT		
1. Name of resource	UNFCCC Non-economic losses in the context of the work programme on loss and damage	
2. Location	https://unfccc.int/resource/docs/2013/tp/02.pdf	
3. Alternative location		
4. Author[s]	UN Climate Change	
5. Publisher/producer/host	UN Climate Change	
6. Year	2013	
7. Suggested citation	UN Climate Change (2013). Non-economic losses in the context of the work programme on loss and damage. UNFCCC, FCCC/TP/2013/2, available at https://unfccc.int/resource/docs/2013/tp/02.pdf	
8. Languages in which available	English (web page translates automatically)	
9. Geographic area resource relates to	Worldwide	
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	Policy guidance
12. If this is part of an initiative, what is the initiative?	A synopsis is also available at https://unfccc.int/process-and-meetings/bodies/constituted-bodies/executive-committee-of-the-warsaw-international-mechanism-for-loss-and-damage-wim-excom/expert-group-on-non-economic-losses/knowledge-products	
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/disciplines the resource covers	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		

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?	“This technical paper provides a literature review and critical analysis on the following aspects of non-economic losses of climate change: the conceptual background, including how non-economic losses contribute to loss and damage and the total cost of climate change; the main types of non-economic losses that might occur and the ways in which they may materialize; various assessment techniques available to estimate non-economic losses, both generically and through concrete examples of current practice; and implications of the different assessment techniques for the identification of non-economic risks and the design of practical adaptation actions to manage them.”
21. Intended audience of resource	[Climate policy workers, authorities]
22. Process of development	
23. Organisation/structure/contents	I. Executive summary 1–24 3 A. Mandate 1–2 3 B. What are non-economic losses and why are they important? 3–5 3 C. How do non-economic losses contribute to total climate costs? 6–7 3 D. What are the main types of non-economic losses? 8–10 4 E. Can non-economic losses be valued? 11–16 4 F. How can decision makers take into account non-economic losses? 17–19 5

	<p>G. What are the challenges for policymakers when managing the risk of non-economic loss? 20–24 5</p> <p>II. Background 25–31 6</p> <p>III. Non-economic losses in the context of climate change 32–68 8</p> <p>A. An explanation of terms 32–49 8</p> <p>B. Valuation, measurement and comparability of non-economic losses 50–60 13</p> <p>C. Non-economic losses in the context of human activity 61–68 17</p> <p>IV. A typology and overview of non-economic losses 69–104 21</p> <p>A. The incidence of non-economic losses 69–73 21</p> <p>B. The main types of non-economic losses 74–104 22</p> <p>V. Methods for assessing non-economic losses 105–144 34</p> <p>A. Frameworks for assessment and valuation of non-economic losses 105–116 35</p> <p>B. Valuing and evaluating non-economic losses 117–144 38</p> <p>VI. Managing the risks of non-economic losses 145–157 49</p> <p>A. Incorporating non-economic value into economic decision-making 145–150 49</p> <p>B. Making good adaptation decisions in addressing non-economic losses 151–153 50</p> <p>C. Addressing practical limits to adaptation in non-economic sectors 154–157 51</p> <p>VII. Conclusions 158–169 52</p> <p>Annex</p> <p>Frameworks for assessing non-economic losses 59</p>
FRAMEWORKS	
24. Framework structure	The resource includes a number of frameworks.
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, including 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	
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.

	<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 11.5 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 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</p>	<p><i>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</i></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>Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels</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><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-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</p>	<p>Identification and implementation of measures for sustainable development incorporating social and environmental considerations.</p>

develop measurements of progress on sustainable development that complement gross domestic product, and support statistical capacity-building in developing countries		Identification and implementation of both quantitative and qualitative measures of sustainable development.			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	