FORMAT			
1. **Name of resource**	**US Climate Resilience Toolkit**		
2. Location	https://toolkit.climate.gov/		
3. Alternative location			
4. Author[s]	United States Global Change Research Program		
5. Publisher/producer/host	United States Global Change Research Program		
6. Year	2021		
7. Suggested citation	United States Global Change Research Program (2021), US Climate Resilience Toolkit, https://toolkit.climate.gov/		
8. Languages in which available	English (web pages translate automatically)		
9. Geographic area resource relates to	US with wider relevance		
10. Does the resource relate to a specific time frame?			
11. Type	Report		
	Toolkit/Framework/Roadmap	Yes	
	Sign-post to other resource (database)	Yes	
	Case studies	Yes	
	Other	Links to educational resources, videos, visualisations	
12. Part of an initiative?	United States Global Change Research Program		
COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS			
13. Explicit links to collections	No		
14. Explicit links to museums/libraries/archives	No		
15. Types of institutions relevant to	Museums	X	
	Archives	X	
	Libraries	X	
	Other	X	
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	X	

	ethnology, anthropology, archaeology	
	Science, natural history, technology, medicine, engineering, manufacturing	X
17. If no explicit links to collections, justification for inclusion	The resource can be used by collections-based institutions, in terms of how they develop their education and participation programmes, and also build their own resilience to climate impacts.	

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)	X
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	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?	"Meet the Challenges of a Changing Climate: Learn about potential climate hazards and how you can protect your vulnerable assets." "Steps to Resilience Overview The Steps to Resilience framework encompasses the team building, data gathering, and decision making it takes for a local climate champion and a team of engaged community members to enhance their resilience to climate-related impacts. The framework is aligned with and inclusive of other efforts to reduce risk through adaptation." "Case Studies Filter by climate threat/stressor: Filter by topic: Filter by steps to resilience: Filter by region: Communities, businesses, and individuals are taking action to document their vulnerabilities and build resilience to climate-related impacts. Click dots on the map to preview case studies, or browse stories below the map. Use the drop-down menus above to find stories of interest." "CLIMATE EXPLORER Explore climate conditions projected for the coming decades for any county in the United States."
21. Intended audience of resource	[All parts of society concerned with understanding and managing climate change impacts]

22. Process of development	
23. Organisation/structure /contents	Steps to Resilience [planning toolkit and resources] Case studies [in building climate resilience] Tools Expertise Regions Topics Implementing the Steps to Resilience: a practitioner's guide Fifth [US] National Climate Assessment Ready-to-fund resilience toolkit
FRAMEWORKS	
24. Framework structure	Steps to Resilience is set out as a framework: Understand exposure Assess vulnerability and risk Investigate options Prioritize and plan Take action
25. Relevant policy considerations	Yes
26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/miles tones/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?	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	Implementing the resource helps address a range of SDG targets, including: 1.5 (reduce the vulnerability of the poor), 2.4 (sustainable agriculture), 4.4 (skills for work), 4.7 (Education for Sustainable Development), 6.B (community involvement in managing water resources), 11.4 (protect and safeguard cultural and natural heritage), 11.5 (reduce the impact of disasters), 11.B (integrated policies for inclusion and Disaster Risk Reduction), 12.8 (education for sustainable lifestyles), 13.1 (climate adaptation), 13.3 (climate education and institutional capacity) and 13.B (climate action for Global South countries), 14.2 (sustainable management of coasts and seas), 15.1 (conservation of terrestrial and freshwater environments), 16.6 (effective, accountable and transparent institutions), 16.B (support laws and policies for sustainable development).

35. SDGs and SDG targets the resource helps advance	
SDG 1: End poverty in all its forms everywhere 1.5 By 2030, build resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters.	Number of collecting programmes that aim to build resilience to climate-related events and other shocks and disasters, for example by forming collections that can contribute to related educational and research programmes. Number of educational programmes drawing on collections that incorporate resilience perspectives. Number of targeted programmes drawing on collections that are aimed at vulnerable groups, to build their resilience to climate-related and other shocks and disasters. Number of research programmes drawing on collections that are aimed at building resilience to climate-related and other shocks and disasters. ***Strengthen the resilience of employees, communities and suppliers by paying at a minimum the living wage and offering insurance to employees and their families, such as accident insurance; and by paying fair prices to all suppliers***

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 change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.	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. 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 4.4 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	Number of young people and adults in skills-development activities and programmes drawing on collections, for employment, decent jobs and entrepreneurship Increase in number of young people and adults in such programmes Number and proportion of staff who have received training in the last year, to better support their contribution to the SDGs. Programs and processes in place to ensure the availability of a skilled workforce.
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	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.

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	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.B Support and strengthen the participation of local communities in improving water and sanitation management	Collections development to support sustainable water management and sanitation for all. Number of programmes for local communities directed towards water quality improvement and sanitation management.
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	Collections-based research that supports the understanding and management of disasters of all kinds.

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	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 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	***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*** 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. Collections-based institutions included in local plans for social inclusion, resource use, and 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 13. Take urgent action to combat climate change and its impacts 13.B Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities.	Number of initiatives (educational, awareness-raising, research, and/or partnerships) drawing on collections and collections-based institutions that build capacity for climate change planning and management in least developed countries and small island developing States. Number of targeted initiatives drawing on collections and collections-based institutions aimed at building capacity for women, youth and local and marginalized communities in least developed countries and small island developing States.
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 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,	***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***

accountable and inclusive institutions at all levels. 16.B Promote and enforce non-discriminatory laws and policies for sustainable development		Number and proportion of policies that incorporate sustainable development considerations, in the full sense of recognizing all three of social, economic and environmental considerations.			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	