FORMAT		
1. Name of resource	Words into Action: Using Traditional Knowledges for Disaster Risk Reduction	_
2. Location	https://www.undrr.org/words-action-	
	indigenous-knowledges-disaster-risk-r	<u>reduction</u>
3. Alternative location		
4. Author[s]	R. Jigyasu and S. Sen (editors)	
5. Publisher/producer/h ost	UNDRR	
6. Year	2022	
7. Suggested citation	Jigyasu, R. and S. Sen (editors) (2022). Using Traditional and Indigenous Known Risk Reduction. UNDRR, available at	

16. Does the resource	psychology, religion, social		
relate to specific	sciences, law, politics,		
disciplines?	language, arts and		
	recreation, architecture,		
	literature, history,		
	geography and ethnology,		
	anthropology, archaeology		
	Science, natural history,	X	
	technology, medicine,		
	engineering,		
	manufacturing		
17. If no explicit links to			
collections,			
justification for			
inclusion			
HOW IT CONTRIBUTES TO SUS	TAINABLE DEVELOPMENT		
18. Collections-related act	vities the resource relates to (mark all ti	hat apply)
Develop collections to protect	and safeguard wider cultural a	and X	
natural heritage more effectiv	ely , for example by targeting		
collecting to threatened forms	of heritage in strategic ways		
Use collections to promote lea	rning and educational	Х	,
opportunities that contribute	to sustainable development m	ore	
effectively, for example educa-	tion for sustainable developme	nt	
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		e's	
contribution to sustainable development and/or skills development			
relating to collections			
	tural participation/social inclu	sion X	,
•			
more effectively , for example by reducing barriers to participation, to ensure no-one is 'left behind'		20.0,	
	stainable tourism more effective	velv.	
-	products based on local cultur		
. , ,	•		
heritage, and/or considering the rights of stakeholder groups in relation to collections			
Use collections to support research that contributes to		X	,
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		able	
development more effectively			
	iting, staff training, staff safety)	Х	
	n, greenhouse gas emissions,		
reduction, monitori			
	and reduction of waste		
	transport, energy use)		
cranspore (rorms or			

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		
19. Does the resource relate clearly to any international conven	tions (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 X		
1970 Fighting Against the Illicit Trafficking of Cultural Property X		
1972 Protection of the World Cultural and Natural Heritage	X	
2001 Protection of the Underwater Cultural Heritage X		
2003 Safeguarding of the Intangible Cultural Heritage X		
2005 Protection and Promotion of the Diversity of Cultural X		
Expressions		
Rio Conventions:		
Convention on Biological Diversity (CBD), Convention to Combat X		
Desertification (UNCCD), Framework Convention on Climate		
Change (UNFCCC)		

AIMS AND CONTENT

20. What issues does the resource aim to address?

"Formed over centuries and adapted to local cultures and environments, the term "Traditional Knowledge" refers to the knowledge, practices, and behaviours of indigenous and local communities all around the world.

In the context of Disaster Risk Reduction (DRR), Traditional Knowledge lies in the accumulated experience that comes with the close relationship of Indigenous communities to their environment, formed through successive trials and errors over generations.

The Words into Action: Using Traditional and Indigenous Knowledges for Disaster Risk Reduction guide argues that we need the space for traditional and scientific knowledge to co-exist. It gives guidance in translating the Sendai Framework into credible and implementable actions for DRR with a focus on the application of Traditional and Indigenous Knowledges. It outlines possible ways in which this knowledge can be used to reduce, prepare for and respond to disasters and provides a methodology to include aspects of Traditional Knowledge in decision-making.

It is also filled with practical guidance for stakeholders in the DRR community, including administrative bodies,

	disaster risk management professionals, local people and
	indigenous communities, among many others."
21. Intended audience of	The Disaster Risk Reduction community
resource	The Disaster flish neadestern community
22. Process of	
development	
23. Organisation/structur	Organisation of the Words into Action guide:
e/contents	1. Introduction
	2. Why is traditional knowledge useful for Disaster Risk
	Reduction
	3. How can we use traditional knowledge for Disaster Risk
	Reduction
	4. Challenges for traditional knowledge and its application
	for DRR
	5. Approaches and enabling conditions to identify and apply
	traditional knowledge for DRR
	6. Case studies
FDAMEWORKS	
FRAMEWORKS	
24. Framework structure	Vec
25. Relevant policy considerations	Yes
26. Resources for	Yes
implementation	res
identified	
27. Specific assessment	Yes
points/indicators/mile	163
stones/action plan for	
monitoring	
	BILITY COVERED BY RESOURCE (mark all that apply)
People (social sustainability)	X
Planet (environmental	Х
sustainability)	
Prosperity (economic	Х
sustainability)	
Peace	X
Partnerships	X
29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)	
Gender perspectives	X
North and South perspectives	X
	BUTES TO AGENDA 2030 AND THE SDGs
HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE	
30. SDGs and Agenda	Yes
2030 specifically	
mentioned?	

31. SDGs specifically	Yes
mentioned?	
32. SDG targets	No
specifically	
mentioned?	
33. SDG indicators	No
specifically	
mentioned?	

SDGs AND SDG TARGETS AND LINKAGES

34. Comments on SDG linkages

The resource is most closely related to SDGs around Disaster Risk Reduction, cultural heritage, and planning and inclusion, including SDGs 1.5 (reduce the vulnerability of the poor to climate and other hazards), 2.4 (food security), 3.D (preparation for health emergencies), 4.5 (removing barriers in education), 4.7 (Education for Sustainable Development), 6.6 (managing water habitats), 6.B (community involvement in water management), 9.1 (sustainable infrastructure), 9.5 (support scientific research), 10.2 (universal inclusion), 11.4 (strengthen efforts to protect and safeguard cultural and natural heritage), 11.5 (reduce the impact of disasters), 11.A (positive links between urban and rural areas), 11.B (Implement policies for inclusion, resource efficiency and disaster risk reduction), 12.8 (information for sustainable development and lifestyles in harmony with nature), 13.1 (Strengthen resilience and adaptive capacity to climate related disasters), 13.2 (planning for climate change), 13.3 (Build knowledge and capacity to meet climate change), 13.B (inclusive climate action in developing countries), 14.2 (sustainable use of coasts and seas), 15.1 (conserve terrestrial and freshwater habitats), 15.9 (ecosystem and biodiversity values in planning), 16.6 (effective, accountable and transparent institutions), 16.7 (inclusive decision making), 16.10 (respect for human rights and freedoms), 16.B (policies and laws for sustainable development), 17.16 and 17.17 (global and local partnerships respectively).

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 climaterelated extreme events and

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.

other economic, social and environmental shocks and disasters.	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	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.
progressively improve land and soil quality.	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 3: Ensure healthy lives and promote well-being for all at all ages	Number of collecting initiatives that aim to build capacity for risk reduction to national and global health risks, for example by storing and preserving collections that may be

3.D Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks.

of use in post-disaster scenarios, or that can be used in early warning and risk communication activities.

Number of educational programmes incorporating perspectives on early warning, risk reduction and management of national and global health risks.

Number of awareness raising programmes that target marginalized and vulnerable groups most exposed to health risks.

Plans in place for early warning, risk reduction and management to national and global health risks.

Relationships and partnerships in place for risk reduction and management in light of national and global health risks.

SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

4.5 By 2030, eliminate gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations

Number of educational and/or training programmes drawing on collections directed to eliminate gender disparities in education.

Number of educational and/or training programmes drawing on collections directed to meet the particular needs of persons with disabilities.

Number of educational and/or training programmes drawing on collections directed to meet the particular needs of Indigenous peoples' groups.

Number of educational and/or training programmes drawing on collections directed to meet the particular needs of children in vulnerable situations.

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

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.

of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to	
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 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 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation 9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all	Development of research-useful collections to support reliable, sustainable and resilient use by researchers and others. Number and proportion of collections facilities and stores that support economic development and human well-being. Number and proportion of collections facilities and stores that provide affordable and equitable access for all. Investment in collections facilities. Inclusion of collections information in regional and transborder initiatives, notably via digital access for discoverability.
SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization	Number and proportion of collections facilities that effectively support research and researchers.

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 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 10. Reduce inequality within and between countries

10.2 By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

Collections development to ensure that collections effectively meet the needs of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status.

Number and proportion of educational and participatory programmes that promote participation irrespective of social or other status.

Numbers and proportions of people making use of collections in relation to the demographic of the local population.

Numbers and proportions of people involved in focused programmes aimed at promoting social, economic and political inclusion.

Numbers and proportions of people from different demographic groups involved in decision-making processes relating to collections and collections-based institutions.

Number and types of partnerships that build relationships with marginalized groups, individuals and communities.

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

Considerations of regional economic, social and environmental trends and risks incorporated into collecting institutions' planning.

11.A Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning

Participation in local and regional planning, to foster access to services, cultural participation, prevent exclusion, and support equitable urbanisation.

Ensure data collection and metrics can be useful for planning in conjunction with other sectors and between urban and rural areas.

Number of outreach and other activities that promote awareness and accessibility of collecting institutions in urban and rural areas, and that promote awareness of regional development plans and risks, with opportunities for people and communities to input into such plans.

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.

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 nonformal 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 13.2 Integrate climate change measures into national policies, strategies and planning	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.
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.
specification specification 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	Proportion of marine and coastal areas in a good ecological condition

14.2 By 2020, sustainably Numbers of educational and awareness-raising manage and protect marine programmes, research activities, and partnerships drawing and coastal ecosystems to on collections aiming to support protection of marine and avoid significant adverse coastal areas. impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans SDG 15 Protect, restore and promote sustainable use of Proportion of terrestrial and freshwater ecosystems in a terrestrial ecosystems, good ecological condition. sustainably manage forests, combat desertification, and Information on, educational programmes, collections halt and reverse land development, research and partnerships relating to degradation and halt terrestrial and freshwater ecosystems drawing on biodiversity loss collections in place. 15.1 By 2020, ensure the conservation, restoration and Policies relating to collections and their use aligned with international agreements for conservation and sustainable sustainable use of terrestrial and inland freshwater use of biodiversity. ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements SDG 15 Protect, restore and promote sustainable use of Proportion and number of relevant plans, processes and terrestrial ecosystems, strategies that incorporate ecosystem and biodiversity sustainably manage forests, values, and their relationships with effective collections. combat desertification, and halt and reverse land Plans in place to ensure that development of collections degradation and halt facilities contributes to effective conservation and biodiversity loss 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 16. Promote peaceful and inclusive societies for 16.6.2 Proportion of the population [audience/users/nonsustainable development, users] satisfied with their last experience of public services provide access to justice for Access to information, and accountability policies and all and build effective, mechanisms, in place.

accountable and inclusive institutions at all levels.
16.6 Develop effective, accountable and transparent institutions at all levels

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 decisionmaking 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.

16.7 Ensure responsive, inclusive, participatory and representative decisionmaking at all levels

16.7.1 Proportions of positions (by sex, age, persons with disabilities and population groups) in public institutions (national and local legislatures, public service, and judiciary) compared to national distributions
16.7.2 Proportion of population [audience/users/non-users] who believe decision-making is inclusive and responsive, by sex, age, disability and population group

Decision-making addresses societal, environmental and economic challenges related to the community, considering short-term and long-term risks and opportunities.

Decision-making draws on diverse backgrounds, viewpoints and interests, reflecting a broad base of stakeholders, and working to promote inclusion and provide effective services for all of society.

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.

16.10 Ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements

Adopt and implement constitutional, statutory and/or policy guarantees for public access to information.

Plans in place, and plans implemented to enhance public access to information relating to collections.

Plans in place, and plans implemented to support fundamental freedoms, in line with human rights, national and international agreements and legislation.

Plans and procedures in place for public access to information relating to the operation and management of collections-based institutions.

Complaint mechanism in place for public to use where public access to information and fundamental freedoms not supported or fulfilled. SDG 16. Promote peaceful and inclusive societies for 16.B.1 Proportion of population [audience/users/nonsustainable development, users] reporting having personally felt discriminated provide access to justice for against or harassed in the previous 12 months on the basis all and build effective, of a ground of discrimination prohibited under accountable and inclusive international human rights law institutions at all levels. 16.B Promote and enforce Number and proportion of policies that incorporate non-discriminatory laws and sustainable development considerations, in the full sense of policies for sustainable recognizing all three of social, economic and environmental development considerations. SDG 17. Partnerships for the goals Number and/or increase in number, and diversity of global 17.16 Enhance the global and international multi-stakeholder partnerships that share partnership for sustainable collection-related knowledge, expertise, technology and development, complemented financial resources to address the SDGs, or that otherwise involve collections-based organisations and institutions. by multi-stakeholder partnerships that mobilize and share knowledge, Number and/or increase in number, and diversity of global expertise, technology and and international multi-stakeholder partnerships involving financial resources, to developing countries that share collection-related support the achievement of knowledge, expertise, technology and financial resources to the sustainable development address the SDGs. goals in all countries, in particular developing countries SDG 17. Partnerships for the goals 17.17.1 Amount of United States dollars committed to public-private and civil society partnerships 17.17 Encourage and promote effective public, public-private and civil Number and/or increase in number, and diversity of local, society partnerships, building national and regional multi-stakeholder (public, publicon the experience and private and civil society) partnerships that address the SDGs drawing on collections, or that otherwise involve resourcing strategies of partnerships collections-based organisations and institutions. 2 3 5 4 6 8 9 10 11 **12** 13 **14 15** 16 17