<b>FORMA</b>	AT			
1.	Name of resource	Fire Risk Assessment for Collections in Muse	ums	
2.	Location	https://www.cac-accr.ca/publications/fire-risk-assessment-for-		
		collections-in-museums/		
3.	Alternative location			
4.	Author[s]	J. Tétreault		
5.	Publisher/producer/h ost	Journal of the Canadian Association for Conservation (J. CAC)		
6.	Year	2008		
7.	Suggested citation	Tétreault, J. (2008). Fire Risk Assessment for Collections in Museums. Journal of the Canadian Association for Conservation (J. CAC) 33: 3-21, available at <a href="https://www.cac-accr.ca/publications/fire-risk-assessment-for-collections-in-museums/">https://www.cac-accr.ca/publications/fire-risk-assessment-for-collections-in-museums/</a>		
8.	Languages in which available	English		
9.	Geographic area resource relates to	Worldwide		
10.	Does the resource relate to a specific time frame?	2015-30		
11.	Туре	Report Yes		
		Toolkit/Framework/Roadmap		
		Sign-post to other resource (database)  Case studies  Other		
	If this is part of an initiative, what is the initiative?	S DASED INSTITUTIONS		
	TIONS AND COLLECTION			
	collections	Yes		
14.	Explicit links to museums/libraries/arc hives	Yes		
15.	Types of institutions	Museums X		
	the resource covers	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 ethnology, anthropology, archaeology		
		Science, natural history, X		

	1					
	technology, medicine,					
	engineering, manufacturing					
17. If no explicit links to						
collections,						
justification for						
inclusion						
HOW IT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT						
	vities the resource relates to (mar					
	and safeguard wider cultural and I					
	that support sustainable developr					
. ,	ing to threatened forms of heritag	e in				
strategic ways						
-	rning and educational opportuniti					
	lopment more effectively, for exar	•				
	opment and sustainable lifestyles,	numan				
	ion of a culture of peace and non- appreciation of cultural diversity a	nd of				
,	•	ilu Ul				
development relating to collect	nable development and/or skills					
	tural participation/social inclusion	more				
	ucing barriers to participation, to e					
no-one is 'left behind'	deling barriers to participation, to en	isure				
	tainable tourism more effectively,	for				
The state of the s	oducts based on local cultural herita					
	f stakeholder groups in relation to	age,				
collections	stakeholder groups in relation to					
	arch that contributes to sustainab	le				
development (including all forms of personal and self-directed research at all levels that make use of stored collections) more effectively, for						
	facilities, collections and information					
meet researchers' needs						
Make decisions around collecti	ons that contribute to sustainable	:				
development more effectively						
	iting, staff training, staff safety)					
, , ,	n, greenhouse gas emissions, redu	ction,				
monitoring and rep						
<u> </u>	t and reduction of waste					
	transport, energy use)					
	es including copyright and IP					
vi. governance and ma		X				
	eparedness and risk reduction	X				
	tnerships and collaborations towa					
	e effectively, for example by develo					
impactful partnerships						
19. Does the resource relate clearly to any international conventions (mark all that apply)?						
Culture conventions:						
1952, 71 Protection of Copyrigh	t 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 C		X				
2001 Protection of the Underwater Cultural Heritage						

2003 Safeguarding of the Intang						
	of the Diversity of Cultural Expressions	X				
Rio Conventions:						
Convention on Biological Divers	ity (CBD), Convention to Combat					
Desertification (UNCCD), Framework Convention on Climate Change						
(UNFCCC)						
AIMS AND CONTENT						
20. What issues does the "Loss of collections in museums can be significant during a fire.						
resource aim to	It is important that museums put control measures in place to					
address?	prevent a fire, to detect a fire, and to respond quickly if a fire					
	does occur. To evaluate potential collection losses due to fire					
	over a certain period of time, substantial information is					
	required and there is little quantitative data for fires in					
	museums. It was decided to obtain this data by collecting fire					
	museum records from Canadian fire authorities as well as from					
fire authorities in other countries and by consulting with						
experts. This project has resulted in establishing fire Control						
Levels for museums and in creating a set of reference materials						
to help risk assessors evaluate the potential collection losses						
due to a fire. According to experts consulted in this study,						
	having an active fire safety committee composed of staff and					
	management is one of the key elements in fire prevention.					
	Such a committee helps promote awareness					
	and identify problems, as well as propose solutions and ensure					
	that these solutions are applied to minimize risk of fire in an					
institution. For optimal protection, museums are encouraged						
to have a fire alarm system that is monitored continuously as well as an automatic fire suppression system." (p.3)						
21. Intended audience of [Museum workers] [Museum workers]						
resource	[Waseum workers]					
22. Process of						
22. 1100033 01	I The author would especially like to thank	Paul Baril fire				
develonment	[The author would especially like to thank	The state of the s				
development	protection advisor, and Robert Marchand,	, manager, Protection				
development	protection advisor, and Robert Marchand, Services at the Canada Science and Techn	, manager, Protection ology Museum				
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	Control Levels for Fire Risk			
	Likelihood			
	Consequences			
	Fire Risk Assessment Scenario for a Typical Museum			
	Issues Related to Water-Based Suppression			
	Conclusion			
	Acknowledgements			
	References			
FRAMEWORKS				
24. Framework structure	Table 2 presents a series of Control Levels for Fire Prevention			
	and Response, which can be considered as a framework.			
	For each of the five Control Levels, suggested actions are			
	provided under the headings Avoid, Block, Detect, Respond,			
25.01	Training and Procedures			
25. Relevant policy	Yes			
considerations	W.			
26. Resources for	Yes			
implementation				
identified	W			
27. Specific assessment	Yes			
points/indicators/mile				
stones/action plan for				
monitoring				
	BILITY COVERED BY RESOURCE (mark all that apply)			
People (social sustainability)	X			
Planet (environmental				
sustainability)				
Prosperity (economic				
sustainability)	V			
Peace	X			
Partnerships	X			
	DERATIONS COVERED BY RESOURCE (mark all that apply)			
Gender perspectives				
North and South perspectives	LITTO TO ACTURA 2020 AND THE CO.			
	UTES TO AGENDA 2030 AND THE SDGs			
	DGS FEATURE IN THE RESOURCE			
30. SDGs and Agenda	No			
2030 specifically				
mentioned?	N.			
31. SDGs specifically	No			
mentioned?				
32. SDG targets	No			
specifically				
mentioned?				
33. SDG indicators	No			
specifically				
mentioned?				
SDGs AND SDG TARGETS AND LINKAGES				
34. Comments on SDG	The resource can help support action for several SDGs linked to			
linkages	strengthening efforts to protect cultural and natural heritage			

(SDG 11.4), reducing the impact of natural disasters (SDG 11.5), adopting plans for Disaster Risk Reduction (SDG 11.B), and effective, accountable and transparent institutions (SDG 16.6).

#### 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.

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 By 2020, substantially increase the number of cities

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

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

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 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.

1	2	3	4	5	6
7	8	9	10	<mark>11</mark>	12
13	14	15	<mark>16</mark>	17	