| FORMAT | | |
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| **1. Name of resource** | **Between Two Earthquakes: Cultural Property in Seismic Zones** | |
| 2. Location | http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/between_two.pdf | |
| 3. Alternative location | | |
| 4. Author[s] | B. Feilden | |
| 5. Publisher/producer/host | ICCROM and Getty Conservation Institute. | |
| 6. Year | 1987 | |
| 7. Suggested citation | Feilden, B. (1987). Between Two Earthquakes: Cultural Property in Seismic Zones. ICCROM and Getty Conservation Institute. | |
| 8. Languages in which available | English | |
| 9. Geographic area resource relates to | Worldwide | |
| 10. Does the resource relate to a specific time frame? | No | |
| **11. Type** | Report | Yes |
| | Toolkit/Framework/Roadmap | Yes |
| | Sign-post to other resource (database) | |
| | Case studies | |
| | 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/disciplines the resource covers** | **Arts, humanities and social sciences: philosophy, psychology, religion, social sciences, law, politics, language, arts and recreation, architecture, literature, history,** | **X** |

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| | **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)**

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| **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 | X |
| 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 | |

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| by developing impactful partnerships | |
| **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 | X |
| 2001 Protection of the Underwater Cultural Heritage | |
| 2003 Safeguarding of the Intangible Cultural Heritage | X |
| 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) | |

| AIMS AND CONTENT | |
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| **20. What issues does the resource aim to address?** | "Earthquakes - the shifting of the earth's crust - can result in devastating destruction. Organizations responsible for the care of cultural property are referred to as the Administration in this handbook, and their directors, as Administrators. It is these Administrations that can - indeed, that must - take major steps to organize disaster preparedness in order to save lives and the irreplaceable cultural heritage. Earthquake preparedness must incorporate planning for contingencies common to most other types of disasters-especially fire, flood, and looting. By planning ahead, vital time can be saved after the disaster has struck. Fortunately, the conservation of cultural property utilizes different skills, techniques, and materials from those required to save lives and reconstruct modern buildings. As a result, conserving our cultural heritage does not necessarily compete with other recovery operations for scarce resources in the post-disaster situation... Thus, this handbook addresses three areas of concern for the Administrator: what to do before the earthquake strikes, what to do immediately after, and what long-term actions remain to be taken." |
| 21. Intended audience of resource | [Those responsible for cultural heritage] |
| 22. Process of development | "Many people have contributed directly or indirectly to this handbook, including David Dowrick, Pierre Pichard, and Barclay G. Jones. Other contributions grew out of the 1979 ICOMOS meeting in Antigua, Guatemala; the 1982 conference organized by the Architectural Research Center Consortium, National Academy of Sciences, United States; the 1985 United States/Yugoslav seminar at Petrovac and |

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| | | Budva; and the 1985 ICCROM/IZIIS seminar at Skopje, Yugoslavia. Special appreciation is extended to Cevat Erder, Director, ICCROM, and to the Getty Conservation Institute, under the direction of Luis Monreal, which has made this publication possible." |
| 23. Organisation/structure/contents | | FOREWORD<br>INTRODUCTION<br>CHAPTERS<br>I Cultural Heritage and Earthquakes<br>II Before Disaster<br>III Emergency Action<br>IV After the Earthquake<br>APPENDICES<br>1. Fire Protection of Historic Buildings<br>2. Computerized Listing<br>3. Photogrammetry and Earthquakes<br>4. Planning to Protect an Institution and its Collections<br>5. Modified Mercalli Intensity Scale<br>6. From Restoration to Maintenance of Historic Buildings<br>7. Damage Recording Sheets<br>8. Structural Interventions in Historic Buildings<br>9. International Course on Preventive Measures for the Protection of Cultural Property in Earthquake Prone Regions<br>10. International Workshop on Structural and Functional Rehabilitation of Housing and Historic Buildings in Seismic Regions<br>11. Soil Conditions: Microzonation<br>12. Emergency Preparations 101<br>13. Resolution on Cultural Property in Seismic Zones (ICCROM)<br>REFERENCES |
| FRAMEWORKS | | |
| 24. Framework structure | | The book includes a number of checklists and damage recording sheets that can be considered as 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 |

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| Planet (environmental sustainability) | |
| 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 | |

**HOW THE RESOURCE CONTRIBUTES TO AGENDA 2030 AND THE SDGs**

**HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE**

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| 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**

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| 34. Comments on SDG linkages | The resource can be used to help support SDG 11.4 (strengthen efforts to protect and safeguard cultural and natural heritage) and SDG targets linked to Disaster Risk Reduction, including 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), 11.5 (reducing the impact of disasters on communities) and 11.B (which includes adopting Disaster Risk Reduction approaches). |

**35. SDGs and SDG targets the resource helps advance**

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| **SDG 3: Ensure healthy lives and promote well-being for all at all ages**<br>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. | 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 of use in post-disaster scenarios, or that can be used in early warning and risk communication activities.<br><br>Number of educational programmes incorporating perspectives on early warning, risk reduction and management of national and global health risks.<br><br>Number of awareness raising programmes that target marginalized and vulnerable groups most exposed to |

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| | health risks.<br><br>Plans in place for early warning, risk reduction and management to national and global health risks.<br><br>Relationships and partnerships in place for risk reduction and management in light of national and global health risks. |
| **SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable**<br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>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**<br>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 | ***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***<br><br>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. |

| 2015-2030, holistic disaster risk management at all levels | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | |