

<b>FORMAT</b>		
<b>1. Name of resource</b>	<b>Arts and Culture Digital Roadmap - Digital Toolkit</b>	
2. Location	<a href="https://www.mccy.gov.sg/-/media/ACDR/Digital-Toolkit-PullOut-27-Jan-2023.pdf">https://www.mccy.gov.sg/-/media/ACDR/Digital-Toolkit-PullOut-27-Jan-2023.pdf</a>	
3. Alternative location	<a href="https://www.mccy.gov.sg/sector/policies/arts-and-culture-digital-roadmap">https://www.mccy.gov.sg/sector/policies/arts-and-culture-digital-roadmap</a> (Main Website)	
4. Author[s]	Ministry of Culture, Community and Youth of Singapore, National Arts Council Singapore, and National Heritage Board Singapore	
5. Publisher/producer/host	Ministry of Culture, Community and Youth of Singapore, National Arts Council Singapore, and National Heritage Board Singapore	
6. Year	2023	
7. Suggested citation	Ministry of Culture, Community and Youth of Singapore, National Arts Council Singapore, and National Heritage Board Singapore (2023). Arts and Culture Digital Roadmap – Digital Toolkit. Retrieved at <a href="https://www.mccy.gov.sg/-/media/ACDR/Digital-Toolkit-PullOut-27-Jan-2023.pdf">https://www.mccy.gov.sg/-/media/ACDR/Digital-Toolkit-PullOut-27-Jan-2023.pdf</a>	
8. Languages in which available	English	
9. Geographic area resource relates to	Singapore, with global relevance	
10. Does the resource relate to a specific time frame?	No	
<b>11. Type</b>	Report	
	Toolkit/Framework/Roadmap	X
	Sign-post to other resource (database)	X
	Case studies	
	Other	
12. If this is part of an initiative, what is the initiative?		
<b>COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS</b>		
13. Explicit links to collections	Yes	
14. Explicit links to museums/libraries/archives	Yes	
<b>15. Types of institutions the resource covers</b>	<b>Museums</b>	X
	<b>Archives</b>	X
	<b>Libraries</b>	
	<b>Other</b>	X
<b>16. Does the resource</b>	<b>Arts, humanities and social sciences: philosophy,</b>	X

relate to specific disciplines?	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		
<b>HOW IT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT</b>		
<b>18. Collections-related activities the resource relates to (mark all that apply)</b>		
<b>Develop collections to protect and safeguard wider cultural and natural heritage more effectively</b> , for example by targeting collecting to threatened forms of heritage in strategic ways		
<b>Use collections to promote learning and educational opportunities that contribute to sustainable development more effectively</b> , 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	
<b>Use collections to promote cultural participation/social inclusion more effectively</b> , for example by reducing barriers to participation, to ensure no-one is 'left behind'	X	
<b>Use collections to promote sustainable tourism more effectively</b> , for example by developing new products based on local cultural heritage, and/or considering the rights of stakeholder groups in relation to collections		
<b>Use collections to support research that contributes to sustainable development</b> (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	X	
<b>Make decisions around collections that contribute to sustainable development more effectively</b>		
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	X
vii. security, disaster preparedness and risk reduction	X
<b>Direct external leadership, partnerships and collaborations towards sustainable development more effectively</b> , for example by developing impactful partnerships	
<b>19. Does the resource relate clearly to any international conventions (mark all that apply)?</b>	
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	X
Rio Conventions:	
Convention on Biological Diversity (CBD), Convention to Combat Desertification (UNCCD), Framework Convention on Climate Change (UNFCCC)	
<b>AIMS AND CONTENT</b>	
<b>20. What issues does the resource aim to address?</b>	“We have curated a list of digital solutions relevant to arts and culture organisations and practitioners through their digitalisation journey. The digital solutions correspond to 3 levels of complexity, as well as 6 different dimensions of both the creative process and other supporting functions.” (P.5)
21. Intended audience of resource	Arts and cultural professionals and practitioners, including but not limited to arts educator, technical producer, visual artist, performing artist, gallerist, museum curator, museum administrator, and arts and cultural organization
22. Process of development	“During the Emerging Stronger Conversations (ESCs) organised by the National Arts Council (NAC) and National Heritage Board (NHB) (December 2020 – January 2021), participants shared how digitalisation could present new opportunities for the arts and culture sector, and noted the importance of ensuring that the digital tools and platforms used by the sector help to make their works more accessible to the audiences.” (P.1, Arts and Culture Digital Roadmap Paper)
23. Organisation/structure/contents	Introduction: How to Go Digital – Digital Solutions Digital Solutions for Creation Digital Solutions for Presentation Digital Solutions for Marketing Digital Solutions for Data Analysis Digital Solutions for Corporate Functions

	Digital Solutions for Stakeholder Management
<b>FRAMEWORKS</b>	
24. Framework structure	
25. Relevant policy considerations	Policies in Singapore
26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/milestones/action plan for monitoring	
<b>28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)</b>	
People (social sustainability)	X
Planet (environmental sustainability)	
Prosperity (economic sustainability)	X
Peace	
Partnerships	X
<b>29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)</b>	
Gender perspectives	
North and South perspectives	
<b>HOW THE RESOURCE CONTRIBUTES TO AGENDA 2030 AND THE SDGs</b>	
<b>HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE</b>	
30. SDGs and Agenda 2030 specifically mentioned?	
31. SDGs specifically mentioned?	
32. SDG targets specifically mentioned?	
33. SDG indicators specifically mentioned?	
<b>SDGs AND SDG TARGETS AND LINKAGES</b>	
34. Comments on SDG linkages	This open-access toolkit supports arts and cultural practitioners and professionals to initiate or improve their existing work on digitalization. Topics and tools presented in the resource are related to SDG targets 4.A (upgrade education facilities), 8.2 (higher productivity through technological upgrading and digitalization), 9.1 (resilient

	<p>infrastructure and equitable access for all), 9.4 (upgrade infrastructure and enhance resource-use efficiency), 9.5 (upgrade the technological capabilities of the arts and cultural industries), 9.C (increase access to information and provide digitalized materials to more target audience), 11.3 (help facilitate integrated and sustainable management), 12.6 (adopt sustainable practices), 16.10 (ensure access to information) and 17.16 (help strengthen multi-stakeholder partnerships).</p>
<p><b>35. SDGs and SDG targets the resource helps advance</b></p>	
<p><b>SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</b> 4.A Build and upgrade education facilities that are child, disability and gender sensitive and provide safe, non-violent, inclusive and effective learning environments for all</p>	<p>Number and proportion of education facilities that are child, disability and gender sensitive.</p> <p>Proportion of education facilities that provide safe, non-violent, inclusive and effective learning environments for all.</p> <p>Number and type of initiatives to improve effectiveness of learning environments.</p> <p>Support given to other education facilities to make them more inclusive and effective</p>
<p><b>SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</b> 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors</p>	<p>Number of innovation-driven projects that aim to enhance or add to the range of activities drawing on collections.</p> <p>Staff training initiatives aimed at innovation, skills for enterprise.</p> <p>Number of public-facing activities that make use of new or emerging technologies, involving collections.</p>
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b> 9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure,</p>	<p>Development of research-useful collections to support reliable, sustainable and resilient use by researchers and others.</p> <p>Number and proportion of collections facilities and stores that support economic development and human well-being.</p> <p>Number and proportion of collections facilities and stores</p>

<p>to support economic development and human well-being, with a focus on affordable and equitable access for all</p>	<p>that provide affordable and equitable access for all.</p> <p>Investment in collections facilities.</p> <p>Inclusion of collections information in regional and transborder initiatives, notably via digital access for discoverability.</p>
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b></p> <p>9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</p>	<p>Number and proportion of collections facilities that:</p> <ol style="list-style-type: none"> <li>1. make efficient use of resources, with an ongoing drive for efficiencies and reductions in energy use and waste of all forms.</li> <li>2. use clean and environmentally sound technologies, including climate-friendly energy sources and materials, with an ongoing commitment to reduce greenhouse gas emissions and waste of all forms.</li> <li>3. adopt and/or prioritise collections-related processes and practices to reduce greenhouse gas emissions and waste of all forms.</li> </ol>
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization</b></p> <p>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</p>	<p>Number and proportion of collections facilities that effectively support research and researchers.</p> <p>Number and proportion of staff who are appropriately skilled to undertake and support collections-based research.</p> <p>Expenditure on initiatives to enhance and upgrade collections facilities.</p> <p>Numbers of staff engaged in to supporting and developing research use based on collections.</p> <p>Number of initiatives to encourage innovation drawing on collections.</p> <p>Increase in number of research and development workers per 1 million people.</p> <p>Increase in public and private research and development spending being used to develop and make use of</p>

	collections.
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b></p> <p>9.C Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries by 2020</p>	<p>Number of collections facilities that provide access to ICT.</p> <p>Number of programmes that support access to the Internet in least developed countries.</p>
<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>11.3 By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries</p>	<p><b><i>11.3.2 Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically</i></b></p> <p>Plans in place for collections-based institutions to facilitate the incorporation of communities' views into local planning and town management processes in a regular way.</p> <p>Plans in place for collections-based institutions to facilitate the incorporation of minorities' views into local planning and town management processes in a regular way.</p>
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b></p> <p>12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle</p>	<p>Clear visions, strategies and plans in place for all aspects of sustainability – environmental, social and economic (people, planet, prosperity)- across all areas of activity.</p> <p>Visions, strategies and plans relating to sustainability to be publicly available and incorporated into planning documents.</p> <p>Commitments to be in line with local, regional, national and/or international targets and ambitions.</p> <p>Incorporation of sustainability into reporting for funders and other stakeholders, including the public. Reporting to include commitments and progress towards targets.</p>
<p><b>SDG 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice</b></p>	<p>Adopt and implement constitutional, statutory and/or policy guarantees for public access to information.</p>

<p><b>for all and build effective, accountable and inclusive institutions at all levels.</b></p> <p>16.10 Ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements</p>		<p>Plans in place, and plans implemented to enhance public access to information relating to collections.</p> <p>Plans in place, and plans implemented to support fundamental freedoms, in line with human rights, national and international agreements and legislation.</p>			
<p><b>SDG 17. Partnerships for the goals</b></p> <p>17.16 Enhance the global partnership for sustainable development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the sustainable development goals in all countries, in particular developing countries</p>		<p>Number and/or increase in number, and diversity of global and international multi-stakeholder partnerships that share collection-related knowledge, expertise, technology and financial resources to address the SDGs, or that otherwise involve collections-based organisations and institutions.</p> <p>Number and/or increase in number, and diversity of global and international multi-stakeholder partnerships involving developing countries that share collection-related knowledge, expertise, technology and financial resources to address the SDGs</p>			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	