FORMAT			
1. Name of resource	AAM Sustainable Exhibition Design and Construction Toolkit		
2. Location	https://www.aam-us.org/2023/06/20/sustainable-exhibition-design-construction-toolkit/		
3. Alternative location			
4. Author[s]	D. Flandro		
5. Publisher/producer/ host	American Alliance of Museums (AAM)		
6. Year	2023		
7. Suggested citation	Flandro, D. (2023). AAM Sustainable Exhibition Design and Construction Toolkit. AAM, https://www.aam-us.org/2023/06/20/sustainable-exhibition-design-construction-toolkit/		
8. Languages in which available	English		
9. Geographic area resource relates to	US but 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)		
	Case studies		
	Other	Pledge	
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/a rchives	Yes		
15. Types of institutions the resource covers	Museums	X	
	Archives	X	
	Libraries	X	
	Other	X	
16. Types of collections/disciplin es the resource covers	Arts, humanities and social sciences: philosophy, psychology, religion, social sciences, law, politics, language, arts and recreation, architecture,	X	

	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		

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	
Use collections to promote cultural participation/social inclusion more effectively, for example by reducing barriers to participation, to ensure no-one is 'left behind'	X
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	X
iii. waste management and reduction of waste	X
iv. transport (forms of transport, energy use)	X
v. commercial activities including copyright and IP	
vi. governance and management	
vii. security, disaster preparedness and risk reduction	

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 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?	**"These toolkit resources are designed to help you define and improve the sustainability of your exhibitions in the ways that are most important to your community and your institution." [webpage]**
21. Intended audience of resource	People and teams working on design and construction of exhbitions, and associated activities such as procurement.
22. Process of development	
23. Organisation/structure/contents	4 Exhibit Materials Pledge 6 Project Timeline 7 Design for Human Health 8 Design for Social Health and Equity 10 Design for Ecosystem Health 12 Design for Climate Health 14 Design for the Circular Economy 15 Product Specific Guidelines 18 Sustainable Material Resources
FRAMEWORKS	
24. Framework structure	
25. Relevant policy considerations	No
26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/mi	Yes

lestones/action plan for monitoring	

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	The resource is most closely linked to SDG 12.6 (adopt sustainable practices and reporting), which helps support a number of targets around the sustainable use of natural resources (SDG 12.2), preventing water pollution (SDG 6.3), reducing the environmental impact of cities (SDG 11.6), managing chemicals and wastes (SDG 12.4), reducing waste generation (SDG 12.5) and SDG 12.7 (sustainable procurement), and SDG 13.3 (contributing to climate action). The checklist can be applied to new developments, supporting SDG 9.1, and to existing exhibits to retrofit them, supporting SDG 9.4. Adopting renewable energy supports SDG 7.2, and enhancing energy efficiency supports SDG 7.3. In addition, considerations of employment contributes towards SDGs 8.3 (favouring small, local suppliers), 8.4 (fostering the circular economy), 8.5 (decent work for all), 8.7 (eradicate modern slavery) and 8.8 (protect employee rights). Providing effective and

	welcoming learning and cultural environments supports SDGs 4.A (safe and welcoming learning environments) and 11.7 (safe and welcoming green and public spaces). Promoting universal social inclusion in both design teams and in inclusive design also supports SDG 10.2 (universal social, economic and political inclusion).
35. SDGs and SDG targets the resource helps advance	
SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all 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	Number and proportion of education facilities that are child, disability and gender sensitive. Proportion of education facilities that provide safe, non-violent, inclusive and effective learning environments for all. Number and type of initiatives to improve effectiveness of learning environments. Support given to other education facilities to make them more inclusive and effective.
SDG 6. Ensure availability and sustainable management of water and sanitation for all 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially	Amount of pollutants, and reduction in pollutants, to water systems. Plans in place for the identification, reduction, replacement and recycling of hazardous chemical and materials, to prevent their release into water systems, with plans to eliminate their use as soon as possible.
SDG 7. Ensure access to affordable, reliable, sustainable and modern energy for all 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix	Proportion of energy that comes from renewable sources. Date to achieve net zero, and milestones towards that date.
SDG 7. Ensure access to affordable, reliable, sustainable and modern energy for all	Reduction in energy use. Upgrade of old equipment to more efficient equipment.

7.3 By 2030, double the global rate of improvement in energy efficiency	Uptake of renewable sources of energy.
SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.3 Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services	Development-oriented policies in place for the range of activities, or development-oriented considerations are included in other policies. Number of micro-, small- and medium-sized enterprises supported. Number and proportion of formalised arrangements with micro-, small- and medium-sized enterprises. Total value of financial services or financial support provided to micro-, small and medium-sized enterprises.
SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	Plans in place to increase resource efficiency, reduce consumption, and to decouple economic growth from environmental degradation.
SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.5 By 2030, achieve full and productive	Increase in number of people in full and productive employment relating to collections, through job creation and recruitment. Increase in proportion of existing staff working with collections in productive employment.

employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value	Increase in number of men, women, young people and persons with disabilities in development and training programmes drawing on collections that support them in employment. Removal of pay disparities by gender and/or other status for those working with collections. Policies and plans in place to ensure that all suppliers and others in the supply chain are in decent and productive work.
SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.7 Take immediate and effective measures to eradicate forced labour, end modern slavery and human trafficking and secure the prohibition and elimination of the worst forms of child labour, including recruitment and use of child soldiers, and by 2025 end child labour in all its forms	Policies and plans in place to ensure that forced labour, modern slavery, human trafficking and child labour are completely eliminated from throughout the supply chain. Number of collections development, educational and awareness-raising, and research programmes and partnerships aimed at eradicating forced labour, modern slavery and human trafficking.
SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.8 Protect labour rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment	Number and proportions of staff working with collections in safe and secure working environments. Number of accidents and other health and safety incidents reported. Training and support provided for staff to ensure their wellbeing, health and safety. Education, awareness-raising and partnership programmes drawing on collections that address labour rights, notably those of migrant workers and others in precarious employment. Reduction of numbers and proportions of staff on short-term or zero-hours contracts.

	Fair pay policies and procedures in place to prevent exploitation. Procurement policies that ensure that collecting institutions make use of people who are in decent employment, and that avoid exploitation throughout the supply chain.
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 and foster innovation 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	Number and proportion of collections facilities that: 1.make efficient use of resources, with an ongoing drive for efficiencies and reductions in energy use and waste of all forms. 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. 3. adopt and/or prioritise collections-related processes and practices to reduce greenhouse gas emissions and waste of all forms.
SDG 10. Reduce inequality within and between countries 10.2 By 2030, empower and promote the social,	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.

economic and political inclusion 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 11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management	Plans in place to reduce negative impacts on air quality, and volume and forms of waste. Plans in place to eliminate waste of all forms as soon as possible.
SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable 11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities	Numbers of people accessing collecting institutions from different demographic groups, notably women, children, older people and persons with disabilities. Increases in numbers of people accessing collecting institutions from different demographic groups. Measures taken to remove barriers to access green and public spaces. Extent of green space provided by collections institutions.
SDG 12 Ensure sustainable consumption and production patterns SDG 12.2 By 2030, achieve the sustainable	Reduction of material footprint in terms of reductions in consumption of biomass, fossil fuels, metal ores and non-metal ores.

management and efficient use of natural resources	
SDG 12 Ensure sustainable consumption and production patterns 12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment	Quantities, and reduction in quantities, of chemicals of all kinds, including chemicals used in maintenance of collections facilities, and chemicals used in care and preparation of collections, and all wastes throughout their life cycle, reducing release to air, water and soil. Plans in place to eliminate the use and release of hazardous chemicals and harmful wastes of all kinds into the natural environment as soon as possible.
SDG 12 Ensure sustainable consumption and production patterns 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse	Quantity and reductions in quantity of waste of all kinds, including avoidance/prevention of waste production, reuse, and recycling. Quantity of material recycled in comparison with quantity sent to landfill. Increases in recycling rate in comparison with landfill.
SDG 12 Ensure sustainable consumption and production patterns 12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle	Clear visions, strategies and plans in place for all aspects of sustainability – environmental, social and economic (people, planet, prosperity)- across all areas of activity. Visions, strategies and plans relating to sustainability to be publicly available and incorporated into planning documents. Commitments to be in line with local, regional, national and/or international targets and ambitions. Incorporation of sustainability into reporting for funders and other stakeholders, including the public. Reporting to include commitments and progress towards targets.
SDG 12 Ensure sustainable consumption and production patterns 12.7 Promote public procurement practices that are sustainable, in	Incorporation of sustainability considerations into procurement, in terms of advertisement and invitation to tender, contracts, and selection criteria for suppliers.

accordance with national policies and priorities					
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.			
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7	8	9	10	11	12
13	14	15	16	17	