FORMAT			
1. **Name of resource**	**CIMAM Toolkit on Environmental Sustainability in the Museum Practice**		
2. Location	https://cimam.org/news-archive/toolkit-on-environmental-sustainability-in-the-museum-practice/		
3. Alternative location			
4. Author[s]	CiMAM (International Council of Museums International Committee for Museums and Collections of Modern Art		
5. Publisher/producer/ host	CiMAM (International Council of Museums International Committee for Museums and Collections of Modern Art		
6. Year	2021		
7. Suggested citation	CiMAM (2021). Toolkit on Environmental Sustainability in the Museum Practice, available at https://cimam.org/news-archive/toolkit-on-environmental-sustainability-in-the-museum-practice/		
8. Languages in which available	English		
9. Geographic area resource relates to	Global		
10. Does the resource relate to a specific time frame?			
11. **Type**	Report		
	Toolkit/Framework/Roadmap	Yes	
	Sign-post to other resource (database)	Yes	
	Case studies	Yes	
	Other	Yes (videos)	
12. If this is part of an initiative, what is the initiative?	The toolkit has been developed as an initiative of the CiMAM Sustainability and Ecology in Museum Practice group.		
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/disciplin**	**Arts, humanities and social sciences: philosophy, psychology, religion, social**	X	

es the resource covers	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		

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	X
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	X
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	X
vi. governance and management	X

vii. security, disaster preparedness and risk reduction	
Direct external leadership, partnerships and collaborations towards sustainable development more effectively, for example by developing impactful partnerships	X
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?	"At CIMAM we recognize climate and ecological emergency and are seriously committed to working towards sustainability understood in the broadest terms set out by the UN's Sustainable Development Goals, Agenda 2030. As an international organization dedicated to promoting best practices in modern and contemporary art museums, and to raising awareness and responding to the evolving needs of the profession, environmental sustainability is one of the main and most urgent aspects we should take care of. It is part of our mission to foster change and facilitate to our members the resources, tools, guides, and examples to reduce museums' carbon footprint in the short, medium, and long term. CIMAM encourages its members to commit to implementing the necessary changes for achieving climate neutrality according to the United Nations' Sustainable Development Goals (SDGs). This toolkit produced thanks to the contributions of CIMAM Board members 2020–22, aims to help contemporary art museum professionals start implementing the necessary changes to become carbon neutral"
21. Intended audience of resource	"Contemporary art museum professionals"
22. Process of development	[Developed by CiMAM Sustainability and Ecology in Museum Practice group]

23. Organisation/structure/contents	1. Examples of Immediate Actions 2. Sustainability Action Plans 3. Carbon Footprint Calculators and Certificates 4. Sustainability Consultants 5. Inspiring Projects, Platforms, and Resources 6. Reading List	
FRAMEWORKS		
24. Framework structure	The resource includes recommendations and guidance for each of the following headings, which can be considered as a framework: **1. Examples of Immediate Actions:** Exhibitions and programs Museum staff Operations and building efficiency [case studies] **2. Sustainability Action Plans by Museums** [case studies] **3. Carbon Footprint Calculators and Certificates** [initiatives to join] **4. Sustainability Consultants** **5. Inspiring Projects, Platforms, and Resources** **6. Reading List**	
25. Relevant policy considerations	No	
26. Resources for implementation identified	Yes	
27. Specific assessment points/indicators/milestones/action plan for monitoring	No	
28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)		
People (social sustainability)		
Planet (environmental sustainability)	X	
Prosperity (economic sustainability)		
Peace		
Partnerships		
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		

30. SDGs and Agenda 2030 specifically mentioned?	Yes
31. SDGs specifically mentioned?	Yes
32. SDG targets specifically mentioned?	No
33. SDG indicators specifically mentioned?	No
SDGs AND SDG TARGETS AND LINKAGES	
34. Comments on SDG linkages	Implementing the resource helps support a number of SDG targets, as follows: Overall, embracing sustainable practices and reporting supports SDG 12.6. Staff training and public programming support SDGs 4.7 (Education for Sustainable Development), 12.8 (lifestyles in harmony with nature) and 13.3. (climate change education, awareness and institutional capacity), as well as 4.4 (skills for work). Ensuring programming decisions accommodate sustainable development perspectives supports SDG 8.9 (sustainable tourism). Encouraging and promoting sustainable travel supports SDG 11.2. Promoting sustainable procurement supports SDG 12.7. Adopting policies for sustainable development supports SDG 16.B. Reducing greenhouse gas emissions, air and other forms of pollution contributes to SDGs 11.6 (reducing the adverse environmental impact of cities) and 13.1 (adapting to climate change in all countries). The resource supports a number of targets in SDG 12 (responsible and sustainable production and consumption), including: 12.2 (sustainable use of natural resources), 12.3 (reducing food waste), 12.4 (management of chemicals and wastes), 12.5 (reducing waste generation), 12.6 (adopting sustainable practices and reporting) and 12.7 (sustainable procurement), and 14.1 (reducing marine pollution). Reducing use of toxic chemicals supports SDG 6.3 (on water quality). Efficient water management supports SDG 6.4. Upgrading lighting to be low-energy and increasing use of solar energy supports 7.2 (uptake of renewable energy), 7.3 (increasing energy efficiency) and 9.4 (upgrading infrastructure to be sustainable).

	Promoting responsible offsetting supports SDGs 15.A (mobilising finance for nature conservation) and 15.B (support for developing countries for conservation). Partnering with like-minded museums supports SDG 17.17 (multistakeholder partnerships for sustainable development). Overall, the resource helps support SDGs 13.1 (reducing greenhouse gas emissions in all countries) and 13.3 (institutional capacity to act on climate change), as well as 11.4 (strengthen efforts to protect and safeguard cultural and natural heritage) and 15.5 (prevent the destruction of habitats and conserve species).
35. SDGs and SDG targets the resource helps advance	
SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all 4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship	Number of young people and adults in skills-development activities and programmes drawing on collections, for employment, decent jobs and entrepreneurship Increase in number of young people and adults in such programmes Number and proportion of staff who have received training in the last year, to better support their contribution to the SDGs. Programs and processes in place to ensure the availability of a skilled workforce.
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,	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.

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	Evidence that learners have acquired knowledge and skills to promote sustainable development.
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 6. Ensure availability and sustainable management of water and sanitation for all 6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	Reductions in water use, increase in water recycling, preventing water shortages in vicinity. Information on, programmes relating to, and partnerships relating to water use drawing on collections and collections-based institutions in place, to support efficient use of water.
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 7.3 By 2030, double the global rate of improvement in energy efficiency	Reduction in energy use. Upgrade of old equipment to more efficient equipment. Uptake of renewable sources of energy.
SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.9 By 2030, devise and implement policies to promote sustainable tourism that creates jobs and promotes local culture and products	Numbers of jobs created or supported that relate to sustainable tourism drawing on local products (e.g. craft producers). Develop and implement plans to reduce and remove negative impacts of tourism. Numbers of activities and/or products drawing on local culture. Value to artisans and source communities of activities and products drawing on local culture.
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 11. Make cities and human settlements inclusive, safe, resilient and sustainable 11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons	Plans in place to ensure safe, affordable, accessible and sustainable transport systems for all, in terms of accessing collections-based institutions, Plans in place to use collections-based institutions to provide education and awareness of public transport systems and their development. Special attention to those in vulnerable situations, including women, children, disabled and older people, taken in plans regarding public transport.
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 11.6 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 12 Ensure sustainable consumption and production patterns 12.2 By 2030, achieve the sustainable management and efficient use of natural resources	Reduction of material footprint in terms of reductions in consumption of biomass, fossil fuels, metal ores and non-metal ores.
SDG 12 Ensure sustainable consumption and production patterns 12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses	Quantities, and reduction in quantities, of food waste, both in terms of waste going for treatment, and waste going to landfill or being otherwise discarded into the environment. Policies and plans in place to reduce and eliminate food waste as soon as possible.
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	Quantity and reductions in quantity of waste of all kinds, including avoidance/prevention of waste production, reuse,

through prevention, reduction, recycling and 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 accordance with national policies and priorities	Incorporation of sustainability considerations into procurement, in terms of advertisement and invitation to tender, contracts, and selection criteria for suppliers.
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 non-formal 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 13.3 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.
SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution	Number of collections-related programmes, for example research and education, that aim to reduce marine pollution. Quantity, and reduction, of waste of all sorts, with plans in place to eliminate waste of all sorts as soon as possible. Quantity, and reduction, of plastic waste, with plans in place to eliminate the production and release of plastic waste as soon as possible.
SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land	

degradation and halt biodiversity loss 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species	Number and proportion of habitats, notably endangered habitats, and species with favourable conservation status, with special reference to locally, nationally and globally endangered species. Information on, programmes relating to, collections development, and partnerships relating to habitats and species drawing on collections in place, to support their protection and continued existence. Measures taken to enhance biodiversity value of green space associated with collections institutions.
SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss 15.A Mobilize and significantly increase financial resources from all sources to conserve and sustainably use biodiversity and ecosystems	Revenue generated to conserve and sustainably use biodiversity and ecosystems. Direct financial support given to projects and organisations for conservation and/or sustainable use of biodiversity and ecosystems.
SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss 15.B Mobilize significant resources from all sources and at all levels to finance sustainable forest management and provide adequate incentives to developing countries to advance such management,	Revenue generated to conserve and sustainably use forests, including conservation and reforestation, and that support local and Indigenous peoples. Direct financial support given to projects and organisations to conserve and sustainably use forests, including for conservation and reforestation, and that support local and Indigenous peoples.

including for conservation and reforestation	Other forms of support provided to projects and organisations to conserve and sustainably use forests, including for conservation and reforestation, and that support local and Indigenous peoples.
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.B Promote and enforce non-discriminatory laws and policies for sustainable development	*16.B.1 Proportion of population [audience/users/non-users] reporting having personally felt discriminated against or harassed in the previous 12 months on the basis of a ground of discrimination prohibited under international human rights law* Number and proportion of policies that incorporate sustainable development considerations, in the full sense of recognizing all three of social, economic and environmental considerations.
SDG 17. Partnerships for the goals 17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships	*17.17.1 Amount of United States dollars committed to public-private and civil society partnerships* Number and/or increase in number, and diversity of local, national and regional multi-stakeholder (public, public-private and civil society) partnerships that address the SDGs drawing on collections, or that otherwise involve collections-based organisations and institutions.

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