

<b>FORMAT</b>		
1. Name of resource	<b>EEP Africa e-Waste Toolkit</b>	
2. Location	<a href="https://eepafrica.org/resources/e-waste-toolkit/">https://eepafrica.org/resources/e-waste-toolkit/</a>	
3. Alternative location		
4. Author[s]	Energy and Environment Partnership Trust Fund (EEP)	
5. Publisher/producer/host	Energy and Environment Partnership Trust Fund (EEP)	
6. Year		
7. Suggested citation	EEP Africa, e-Waste Toolkit, <a href="https://eepafrica.org/resources/e-waste-toolkit/">https://eepafrica.org/resources/e-waste-toolkit/</a>	
8. Languages in which available	English [webpages translate automatically also]	
9. Geographic area resource relates to	Africa but with global relevance	
10. Does the resource relate to a specific time frame?		
<b>11. Type</b>	Report	
	Toolkit/Framework/Roadmap	Yes
	Sign-post to other resource	Yes
	Case studies	
	Other	
12. If this is part of an initiative, what is the initiative?	<p>“The Energy and Environment Partnership Trust Fund (EEP Africa) is a clean energy financing facility hosted and managed by the Nordic Development Fund (NDF) with funding from Austria, Finland, NDF and Switzerland. It is guided by a vision for a climate-resilient, zero-carbon future with the aim of contributing to the achievement of the Paris Agreement on climate change and Sustainable Development Goals (SDGs).</p> <p>EEP Africa provides early-stage grant and catalytic financing to innovative clean energy projects, technologies and business models in 15 countries across Southern and East Africa. Project financing is supplemented by technical support, investment facilitation and knowledge sharing.” (About Us)</p>	
<b>COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS</b>		
13. Explicit links to collections	No	
14. Explicit links to museums/libraries/archives	No	
	<b>Museums</b>	X

15. Types of institutions 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, technology, medicine, engineering, manufacturing	X
17. If no explicit links to collections, justification for inclusion	The resource can be used by collecting institutions to plan and implement initiatives that manage e-waste, notably from computers and other equipment, solar panels and batteries, but with wide applicability to other electronics and their wastes.	

#### 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	
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	
iii.	waste management and reduction of waste	X
iv.	transport (forms of transport, energy use)	
v.	commercial activities including copyright and IP	X
vi.	governance and management	
vii.	security, disaster preparedness and risk reduction	
<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		
Rio Conventions:		
Convention on Biological Diversity (CBD), Convention to Combat Desertification (UNCCD), Framework Convention on Climate Change (UNFCCC)		X
<b>AIMS AND CONTENT</b>		
<b>20. What issues does the resource aim to address?</b>	<b>“EEP Africa, in partnership with CLASP, has compiled a set of resources to support companies overcome many of the barriers to e-waste management and recycling in East and Southern Africa. In this toolkit, project developers will find best practices for off-grid solar e-waste management, resources on local legislation, and recommendations for recycling services.”</b>	
21. Intended audience of resource	[Those involved in procurement and management of electronic product throughout their lifecycle]	
22. Process of development	“The materials in this e-waste toolkit have been developed for EEP Africa’s portfolio in partnership with CLASP, an international organization improving the energy and environmental performance of the appliances and equipment we use every day.” (toolkit homepage)	
23. Organisation/structure/contents	<b>Toolkit homepage</b> <b>Fact sheets:</b> Introduction to e-Waste Choosing and Handling Batteries Recommendations on Reduce-Reuse-Recycle	

	Strategies for e-Waste Management <b>Useful links:</b> Recycling Legislation and Facilities in Southern and East Africa Publications and Online Resources
<b>FRAMEWORKS</b>	
24. Framework structure	The fact sheets are structured around the waste hierarchy of reduce, reuse, recycle
25. Relevant policy considerations	Yes
26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/milestones/action plan for monitoring	Yes
<b>28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)</b>	
People (social sustainability)	
Planet (environmental sustainability)	X
Prosperity (economic sustainability)	X
Peace	
Partnerships	
<b>29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)</b>	
Gender perspectives	
North and South perspectives	X
<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?	Yes
31. SDGs specifically mentioned?	Yes
32. SDG targets specifically mentioned?	Yes
33. SDG indicators specifically mentioned?	Yes
<b>SDGs AND SDG TARGETS AND LINKAGES</b>	
34. Comments on SDG linkages	The resource is strongly connected to SDGs 12.6 (adopt sustainable practices) and 12.7 (sustainable procurement), as well as 12.2 (sustainable use of natural resources), 12.4

	<p>(manage wastes throughout their lifecycle), 12.5 (reduce waste generation), 12.8 and 4.7 and 13.3 (information and education for sustainable development and climate action).</p> <p>The resource also supports SDGs relating to ecosystem conservation. These include 6.3 (reduce water pollution), 6.6 (protect and restore water-related ecosystems), 8.8 (protect labour rights), 9.4 (retrofit industries to be efficient and sustainable), 11.4 (protect cultural and natural heritage), 11.6 (reduce the environmental impact of cities), 14.1 (reduce marine pollution) and 15.5 (end habitat degradation).</p>
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**35. SDGs and SDG targets the resource helps advance**

<p><b>SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</b></p> <p>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, 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</p>	<p>Numbers of people in each type of programme drawing on collections from different demographic groups.</p> <p>Increases in numbers of people in each type of programme from different demographic groups.</p> <p>Proportion of people involved in such programmes in relation to overall audience size.</p> <p>Evidence that learners have acquired knowledge and skills to promote sustainable development.</p>
<p><b>SDG 6. Ensure availability and sustainable management of water and sanitation for all</b></p> <p>6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of</p>	<p>Amount of pollutants, and reduction in pollutants, to water systems.</p> <p>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.</p>

<p>untreated wastewater and substantially</p>	
<p><b>SDG 6. Ensure availability and sustainable management of water and sanitation for all</b> 6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes</p>	<p>Proportion of water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes in a good ecological condition.</p> <p>Information on, programmes relating to, and partnerships relating to water-related ecosystems drawing on collections and collections-based institutions in place, to support protection of these as effective nature-based solutions and ecosystem services.</p>
<p><b>SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</b> 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</p>	<p>Number and proportions of staff working with collections in safe and secure working environments.</p> <p>Number of accidents and other health and safety incidents reported.</p> <p>Training and support provided for staff to ensure their wellbeing, health and safety.</p> <p>Education, awareness-raising and partnership programmes drawing on collections that address labour rights, notably those of migrant workers and others in precarious employment.</p> <p>Reduction of numbers and proportions of staff on short-term or zero-hours contracts.</p> <p>Fair pay policies and procedures in place to prevent exploitation.</p> <p>Procurement policies that ensure that collecting institutions make use of people who are in decent employment, and that avoid exploitation throughout the supply chain.</p>
<p><b>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b> 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and</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> </ol>

<p>greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</p>	<p>3. adopt and/or prioritise collections-related processes and practices to reduce greenhouse gas emissions and waste of all forms.</p>
<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b> 11.4 Strengthen efforts to protect and safeguard the world's cultural and natural heritage</p>	<p><b><i>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</i></b></p> <p>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.</p> <p>Plans, policies and procedures in place for the identification, safeguarding and protection of cultural and natural heritage at risk.</p> <p>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.</p> <p>Number and diversity of educational, awareness-raising, research programmes, and partnerships that aim to strengthen protection of cultural and natural heritage.</p>
<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b> 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</p>	<p>Plans in place to reduce negative impacts on air quality, and volume and forms of waste.</p> <p>Plans in place to eliminate waste of all forms as soon as possible.</p>
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b></p>	<p>Reduction of material footprint in terms of reductions in consumption of biomass, fossil fuels, metal ores and non-metal ores.</p>

<p>12.2 By 2030, achieve the sustainable management and efficient use of natural resources</p>	
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b>  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</p>	<p>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.</p> <p>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.</p>
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b>  12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse</p>	<p>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.</p>
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b>  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 12 Ensure sustainable consumption and production patterns</b></p>	<p>Incorporation of sustainability considerations into procurement, in terms of advertisement and invitation to tender, contracts, and selection criteria for suppliers.</p>

<p>12.7 Promote public procurement practices that are sustainable, in accordance with national policies and priorities</p>	
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b> 12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature</p>	<p><b>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</b></p> <p>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.</p>
<p><b>SDG 13. Take urgent action to combat climate change and its impacts</b> 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning</p>	<p>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.</p> <p>Plans in place for effective education and awareness raising on climate change mitigation, adaptation, impact reduction and early warning.</p> <p>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.</p>
<p><b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 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</p>	<p>Number of collections-related programmes, for example research and education, that aim to reduce marine pollution.</p> <p>Quantity, and reduction, of waste of all sorts, with plans in place to eliminate waste of all sorts as soon as possible.</p> <p>Quantity, and reduction, of plastic waste, with plans in place to eliminate the production and release of plastic waste as soon as possible.</p>
<p><b>SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably</b></p>	<p>Number and proportion of habitats, notably endangered habitats, and species with favourable conservation status,</p>

<b>manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss</b> 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		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.			
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13	14	15	16	17	