

FORMAT		
1. Name of resource	WHO Compendium of WHO and other guidance on health and environment	
2. Location	<a href="https://www.who.int/tools/compendium-on-health-and-environment">https://www.who.int/tools/compendium-on-health-and-environment</a>	
3. Alternative location		
4. Author[s]	World Health Organization (WHO)	
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8. Languages in which available	English (online version viewable in other languages)	
9. Geographic area resource relates to	Global	
10. Does the resource relate to a specific time frame?	2015-30	
11. Type	Report	Yes
	Toolkit/Framework/Roadmap	Yes
	Sign-post to other resource (database)	Yes
	Case studies	Yes
	Other	Posters, infographics
12. If this is part of an initiative, what is the initiative?		
COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS		
13. Explicit links to collections		
14. Explicit links to museums/libraries/archives	Yes	
15. Types of institutions the resource covers	Museums	X
	Archives	X
	Libraries	X
	Other	X
16. Does the resource relate to specific disciplines?	Arts, humanities and social sciences: philosophy, psychology, religion, social sciences,	X

	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 includes many references to the importance of education and awareness-raising programmes, that collections-based institutions can use to can help inform the development and delivery of appropriate programmes of activity. The resource can also inform the development of relevant staff skills and programmes.	
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’	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		

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
<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>	<p>“Environmental pollution and other environmental risks cause almost a quarter of the worldwide disease burden. To eliminate or at least substantially reduce this disease burden and to address the challenges in health, environment and climate change being faced, bold preventive action at national, regional, local and sector-specific level is needed. Policy-makers and other actors are increasingly prepared to take action on health and the environment, often as a result of requests by citizens and organizations, and need to be supported by adequate resources.</p> <p>The World Health Organization (WHO) and various other United Nations (UN) organizations offer guidance on effective actions on health and the environment distributed over hundreds of different reports. This compendium consists of a systematic compilation of WHO and other UN guidance that addresses all major areas of health and the environment into one resource. Unlike regular reports, this compendium presents a database or repository extracting the relevant guidance for policy-makers and other key target audiences on</p>	

	<p>health and the environment and refers to the original reports if more detail is needed... In publishing this compendium, WHO seeks to assist policy-makers and other actors in countries to take actions to improve the health of people and the environment and reduce health inequities and provide assistance with implementation of norms and solutions. It does this by summarizing in one resource the most crucial policy recommendations to improve health and reduce the disease burden coming from environmental risks; it further provides guidance on the ways in which policy-makers and other actors can raise awareness of the risks being faced and the healthy practices people can take to reduce them.” (p.v)</p>
21. Intended audience of resource	<p>“Practitioners and key decision-makers at national, regional and municipal levels”(p.2)</p>
22. Process of development	<p>“This compendium was developed by systematically compiling existing published guidance on health and the environment from WHO and other UN organizations. Relevant WHO technical units were systematically consulted on structure, content and resources. The units’ inputs and subsequent reviews were incorporated. Relevant other UN organizations, responsible for content directly related to health and the environment, were also consulted for their inputs and review. Guidance was included when referring to health protection and promotion by modifying the environment, safeguarding natural environments and climate, reducing pollution, introducing personal protective measures and promoting healthy behaviours linked to environmental exposures. Approaches included cover: i) primary prevention to act on determinants of health, ii) cross-sectoral action to ensure Health in All Policies (HiAP) effectively reach all environmental determinants of health, iii) strengthening of the health sector to build mechanisms for governance and political and social support, and iv) effective communication on risks and solutions to guide choices and investments, as put forward in the WHO global strategy on health, environment and climate change.” (p.2)</p>
23. Organisation/structure/contents	<p>Preface... v  Acknowledgements... vi  Abbreviations... vii  Executive summary... viii  1. Background  1.1 Target audience... 2</p>

	<p>1.2 Methods used for the development of the compendium... 2</p> <p>1.3 How to use this compendium... 3</p> <p>1.4 Links between diseases and environmental determinants of health... 6</p> <p>1.5 Links with social determinants of health... 8</p> <p>2. Air pollution</p> <p>3. WASH</p> <p>4. Solid waste</p> <p>5. Chemicals</p> <p>6. Radiation</p> <p>7. Climate change</p> <p>8. Nature and health</p> <p>9. Safe environments and mobility</p> <p>10. Safe and healthy food</p> <p>11. Priority settings for action</p> <p>12. Cross-cutting topics</p> <p>Annex: Messages on health and environment for the general public</p>
<b>FRAMEWORKS</b>	
24. Framework structure	<p>Each of the main sections is structured as follows, and can be considered as a framework:</p> <p>Overview (of the health impacts of the hazard, and who is exposed and vulnerable to the hazard, and desired exposure levels)</p> <p>Guidance, presented as a table, outlining policies and actions, awareness raising and capacity building activities. For each action, relevant sectors involved in planning/implementation, level of implementation (national, workplace etc), and instruments (policies and laws) are identified.</p>
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)	X

Planet (environmental sustainability)	
Prosperity (economic sustainability)	X
Peace	X
Partnerships	X
<b>29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)</b>	
Gender perspectives	X
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	<p>The resource can help collections-based institutions plan to include public health messages and actions into the full range of their activities:</p> <p>1. Targets relating to education and skills: 4.4 (skills for work), 4.7 (Education for Sustainable Development, which includes citizenship, respect for human rights and cultural diversity), 12.8 (information for lifestyles in harmony with nature and sustainable development) and 13.3 (education and institutional capacity relating to climate change and climate change impacts).</p> <p>Other targets relevant to the resource include: 1.5 (reduce the exposure of the poor to shocks and disasters), 2.1 (end hunger and ensure access to nutritious diets), 2.2 (end malnutrition), 2.4 (sustainable food production), 2.5 (ensure diversity of crops), 3.3 (end epidemics of water-borne and communicable diseases), 3.4 (reduce non-communicable diseases, promote mental health and well-being), 3.6 (reduce road-traffic accidents), 3.7 (universal access to health-care services, including information and education), 3.9 (reduce deaths from chemicals, pollution and contamination), 3.D (increase preparedness for health risks), 4.A (safe and inclusive learning environments),</p>

	<p>2. Targets relating to the reduction of waste and pollution: The resource notes that special considerations based on gender be used throughout, supporting SDG 5.1 (end discrimination against women and girls). The resource relates to access to safe drinking water (6.1), sanitation and hygiene (6.2), improving water quality (6.3), using renewable energy (7.2), protecting workers from harm (8.8), retrofitting industries to be sustainable (9.4), 11.1 (safe housing), 11.2 (sustainable transport), 11.4 (protect and safeguard natural heritage), 11.5 (reducing the impact of disasters), 11.6 (reducing the environmental impact of cities), 11.7 (safe and welcoming green and public spaces), 11.B (adopting Disaster Risk Reduction approaches), 12.4 (sound management of chemicals), 12.5 (reducing waste), 12.6 (adopting sustainable practices), 12.7 (considering health and environment in procurement), 13.1 (improving adaptive capacity to climate change), 14.1 (prevent marine pollution), 14.2 (conserve marine and coastal ecosystems), 15.5 (halt degradation of nature), 15.8 (managing impact of invasive species), 16.6 (effective, accountable and transparent institutions), 16.10 (ensure public access to information, protect fundamental freedoms), 16.B (support laws and policies for sustainable development), 17.14 (policy coherence), 17.16 and 17.17 (international and national partnerships respectively).</p>
<b>35. SDGs and SDG targets the resource helps advance</b>	
<p><b>SDG 1: End poverty in all its forms everywhere</b>  1.5 By 2030, build resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters.</p>	<p>Number of collecting programmes that aim to build resilience to climate-related events and other shocks and disasters, for example by forming collections that can contribute to related educational and research programmes.</p> <p>Number of educational programmes drawing on collections that incorporate resilience perspectives.</p> <p>Number of targeted programmes drawing on collections that are aimed at vulnerable groups, to build their resilience to climate-related and other shocks and disasters.</p> <p>Number of research programmes drawing on collections that are aimed at building resilience to climate-related and other shocks and disasters.</p>

	<i><b>Strengthen the resilience of employees, communities and suppliers by paying at a minimum the living wage and offering insurance to employees and their families, such as accident insurance; and by paying fair prices to all suppliers</b></i>
<b>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</b> 2.1 By 2030, end hunger and ensure access by all people, in particular the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round	<p>Number of educational programmes incorporating food security, nutrition and seasonal diet perspectives.</p> <p>Collections development related to food security, nutrition and seasonal diets, as appropriate</p> <p>Number of targeted educational, awareness-raising and partnership programmes relating to food and nutrition, drawing on collections, aimed at vulnerable and marginalized groups.</p> <p>Number of research activities drawing on collections that relate to resilient agricultural practices, helping mitigate and adapt to climate change, flooding and other disasters.</p>
<b>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</b> 2.2 By 2030, end all forms of malnutrition, including achieving, by 2025, the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent girls, pregnant and lactating women and older persons	<p>Number of educational programmes incorporating health and food perspectives.</p> <p>Collections development related to malnutrition and nutrition, where appropriate.</p> <p>Number of targeted educational, awareness-raising and partnership programmes relating to food and nutrition, drawing on collections, aimed at vulnerable and marginalized groups.</p> <p>Number of research activities drawing on collections that relate to nutrition and addressing malnutrition.</p> <p>Number of partnership programmes that directly support ending of malnutrition through provisioning of food and other dietary needs.</p>
<b>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</b> 2.4 By 2030, ensure sustainable food production systems to implement resilient agricultural practices	<p>Collections development related to sustainable food production where appropriate.</p> <p>Number of educational and awareness-raising programmes incorporating sustainable food production perspectives, and that aim to reduce the impact of disasters on communities.</p>



<p>that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.</p>	<p>Number of targeted programmes that support those most exposed and vulnerable to disasters, whether locally or farther afield.</p> <p>Number of research activities drawing on collections that relate to resilient agricultural practices, helping mitigate and adapt to climate change, flooding and other disasters.</p> <p>Policies and plans in place to eliminate unsustainable food production from supply chains and in any food provision in collections-based institutions.</p> <p>Number of partnership activities drawing on collections that contribute to Disaster Risk Reduction plans, supporting resilient agricultural practices, and helping mitigate and adapt to climate change, flooding and other disasters.</p>
<p><b>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</b>  2.5 By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed</p>	<p>Collections development related to genetic diversity of seeds, cultivated plants, farmed and domesticated animals (notably of local or at-risk varieties) and related wild species, for example in herbaria, museums, seed and gene banks, and seed libraries.</p> <p>Number of educational programmes related to genetic diversity of domesticated plants, animals and wild relatives.</p> <p>Number of educational programmes related to fair and equitable benefits of use of genetic resources and associated traditional knowledge, following international agreements (e.g. Nagoya Protocol).</p> <p>Number of educational and awareness programmes for people to ensure that they are aware of their rights and protections in terms of traditional knowledge, and exploitation of genetic resources.</p> <p>Number of research activities that help understand traditional knowledge, and genetic diversity of crop plants and animals.</p> <p>Ensure that producers of crop plants and animals are fairly compensated.</p>

	<p>Policies and procedures in place to ensure legal compliance with fair and equitable benefits of use of genetic resources and associated traditional knowledge, following international agreements (e.g. Nagoya Protocol).</p> <p>Number of partnerships at national, regional and international levels, as appropriate, to soundly manage seed and plant banks.</p>
<p><b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b></p> <p>3.3 By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases and combat hepatitis, water-borne diseases and other communicable diseases</p>	<p>Collection development that can contribute to programmes addressing AIDS, tuberculosis, malaria and/or neglected tropical diseases, combat hepatitis, water-borne diseases and other communicable diseases.</p> <p>Number of educational programmes addressing these subjects.</p> <p>Number of targeted educational and participatory programmes for marginalized and at-risk groups relating to communicable diseases.</p> <p>Number of research activities that help understand the causes and manage impacts of tuberculosis, malaria and other communicable diseases.</p> <p>Partnerships in place to help ensure effective governance of communicable diseases, public health information and education relating to communicable diseases.</p> <p>Steady flow of reliable information relating to communicable diseases.</p>
<p><b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b></p> <p>3.4 By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being</p>	<p>Plans, policies and procedures in place for the safe use of collections, notably in relation to chemical, physical, biological and other forms of hazard.</p> <p>Proportion of users of collections facilities reporting positive well-being during and as a result of activities relating to collections.</p> <p>Number and proportion of programmes relating to collections that incorporate wellbeing considerations and perspectives.</p>

	Number of targeted programmes drawing on collections that address issues relating to non-communicable diseases, supporting prevention and treatment.
<b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b> 3.6 By 2020, halve the number of global deaths and injuries from road traffic accidents	Number and proportion of educational programmes relating to collections that address road safety.  Number of targeted programmes drawing on collections that address issues relating to road safety.  Effective relationships and partnerships in place with related agencies to promote road safety.  Effective policies and procedures in place to minimise risk of death or injury from transport relating to collections-based institutions, including for all workers, visitors and others involved in the supply chain.
<b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b> 3.7 By 2030, ensure universal access to sexual and reproductive health-care services, including for family planning, information and education, and the integration of reproductive health into national strategies and programmes	Number and proportion of educational programmes relating to collections that address sexual and reproductive health, and family planning.  Number of targeted programmes drawing on collections that address issues relating to sexual and reproductive health, and family planning.  Effective relationships and partnerships in place with related agencies to ensure steady flow of information on relevant strategies and programmes.
<b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b> 3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	Plans, policies and procedures in place to prevent harmful exposure to hazardous chemicals associated with collections, or collections-related activities.  Plans, policies and procedures in place to ensure hazardous chemicals and other forms of pollutant are properly managed and disposed of, to prevent release into the natural environment.
<b>SDG 3: Ensure healthy lives and promote well-being for all at all ages</b> 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.

	<p>Number of educational programmes incorporating perspectives on early warning, risk reduction and management of national and global health risks.</p> <p>Number of awareness raising programmes that target marginalized and vulnerable groups most exposed to health risks.</p> <p>Plans in place for early warning, risk reduction and management to national and global health risks.</p> <p>Relationships and partnerships in place for risk reduction and management in light of national and global health risks.</p>
<p><b>SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</b></p> <p>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</p>	<p>Number of young people and adults in skills-development activities and programmes drawing on collections, for employment, decent jobs and entrepreneurship</p> <p>Increase in number of young people and adults in such programmes</p> <p>Number and proportion of staff who have received training in the last year, to better support their contribution to the SDGs.</p> <p>Programs and processes in place to ensure the availability of a skilled workforce.</p>
<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</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>

of cultural diversity and of culture's contribution to sustainable development	
<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>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>
<b>SDG 5. Achieve gender equality and empower all women and girls</b> 5.1 End all forms of discrimination against all women and girls everywhere	<p>Number and proportion of programmes taking proactive steps to identify, reduce and remove discriminatory practices and processes relating to collections and collection-based institutions.</p>
<b>SDG 6. Ensure availability and sustainable management of water and sanitation for all</b> 6.1 By 2030, achieve universal and equitable access to safe and affordable drinking water for all	<p>Collections development, to ensure collections can be used to help support water quality programmes.</p> <p>Number of educational, awareness-raising, research and partnership programmes using collections that aim to ensure people have access to safe and affordable drinking water.</p>
<b>SDG 6. Ensure availability and sustainable management of water and sanitation for all</b> 6.2 By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations	<p>Collections development, to ensure collections can be used to help support water quality programmes.</p> <p>Number of educational, awareness-raising, research and partnership programmes using collections that aim to ensure people have access to adequate sanitation and hygiene, paying special attention to the needs of women, girls and those in vulnerable situation.</p>
<b>SDG 6. Ensure availability and sustainable</b>	<p>Amount of pollutants, and reduction in pollutants, to water systems.</p>

<p><b>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 untreated wastewater and substantially</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><b>SDG 7. Ensure access to affordable, reliable, sustainable and modern energy for all</b></p> <p>7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</p>	<p>Proportion of energy that comes from renewable sources.</p> <p>Date to achieve net zero, and milestones towards that date.</p>
<p><b>SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</b></p> <p>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></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 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>11.1 By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums</p>	<p>Number of programmes drawing on collections (educational, awareness-raising, research, partnerships) that promote access to adequate, safe and affordable housing and basic services.</p> <p>Proactive steps taken to ensure that all people, including those in vulnerable situations, can access information on housing and basic services, overcoming cultural and language barriers.</p> <p>Collections development to support such programmes.</p> <p>Promotion of adequate housing programmes, and programmes to provide basic services, both locally and worldwide.</p>
<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>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</p>	<p>Plans in place to ensure safe, affordable, accessible and sustainable transport systems for all, in terms of accessing collections-based institutions,</p> <p>Plans in place to use collections-based institutions to provide education and awareness of public transport systems and their development.</p>

needs of those in vulnerable situations, women, children, persons with disabilities and older persons	Special attention to those in vulnerable situations, including women, children, disabled and older people, taken in plans regarding public transport.
<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><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>
<b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b> 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	<p>Collections-based research that supports the understanding and management of disasters of all kinds.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Plans in place to provide special support/protection to poor and vulnerable people and groups in and following disasters.</p>



<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>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 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>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</p>	<p>Numbers of people accessing collecting institutions from different demographic groups, notably women, children, older people and persons with disabilities.</p> <p>Increases in numbers of people accessing collecting institutions from different demographic groups.</p> <p>Measures taken to remove barriers to access green and public spaces.</p> <p>Extent of green space provided by collections institutions.</p>
<p><b>SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b></p> <p>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 2015-2030, holistic disaster risk management at all levels</p>	<p><b><i>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</i></b></p> <p>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.</p>
<p><b>SDG 12 Ensure sustainable consumption and production patterns</b></p> <p>12.4 By 2020, achieve the environmentally sound</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</p>

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>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>
<b>SDG 12 Ensure sustainable consumption and production patterns</b> 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.
<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>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>
<b>SDG 12 Ensure sustainable consumption and production patterns</b> 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.
<b>SDG 12 Ensure sustainable consumption and production patterns</b>	<b><i>12.8.1 Extent to which (i) global citizenship education and (ii) education for sustainable development (including climate change education) are mainstreamed in (a)</i></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><b><i>national education policies; (b) curricula; (c) teacher education; and (d) student assessment</i></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></p> <p>13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries</p>	Plans in place for near and longer term to withstand and actively adapt to climate-related hazards and natural disasters.
<p><b>SDG 13. Take urgent action to combat climate change and its impacts</b></p> <p>13.2 Integrate climate change measures into national policies, strategies and planning</p>	National organisations, institutions and networks relating to collections and collections-based institutions to have integrated climate change measures into policies, strategies and planning relating to collections and collections-based institutions, including funding and other resourcing considerations.
<p><b>SDG 13. Take urgent action to combat climate change and its impacts</b></p> <p>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.</p> <p>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></p> <p>14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based</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>

activities, including marine debris and nutrient pollution	Quantity, and reduction, of plastic waste, with plans in place to eliminate the production and release of plastic waste as soon as possible.
<b>SDG 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development</b> 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans	Proportion of marine and coastal areas in a good ecological condition  Numbers of educational and awareness-raising programmes, research activities, and partnerships drawing on collections aiming to support protection of marine and coastal areas.
<b>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</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	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.
<b>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</b> 15.8 By 2020, introduce measures to prevent the introduction and significantly reduce the impact of invasive alien species on land and	Number and proportion of invasive alien species for which effective measures are in place to reduce their impact on land and water ecosystems.  Information on, programmes relating to, collections development, and partnerships relating to invasive alien species, to support their effective management, and to prevent spread and impact.

water ecosystems and control or eradicate the priority species	
<p><b>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.</b></p> <p>16.6 Develop effective, accountable and transparent institutions at all levels</p>	<p><b><i>16.6.2 Proportion of the population [audience/users/non-users] satisfied with their last experience of public services</i></b></p> <p>Access to information, and accountability policies and mechanisms, in place.</p> <p>Effective institutional arrangements, both for own working and for working in partnership with other sectors, in place.</p> <p>Plans and arrangements in place for extraordinary circumstances such as natural and human-caused disasters.</p> <p>Effective arrangements in place to fulfil legal and social obligations and responsibilities.</p> <p>Effective arrangements in place for transparent communication and reporting of institutional performance.</p> <p>Effective arrangements in place for transparent decision-making and accountability.</p>
<p><b>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.</b></p> <p>16.10 Ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements</p>	<p>Adopt and implement constitutional, statutory and/or policy guarantees for public access to information.</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>Plans and procedures in place for public access to information relating to the operation and management of collections-based institutions.</p> <p>Complaint mechanism in place for public to use where public access to information and fundamental freedoms not supported or fulfilled.</p>

<p><b>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.</b></p> <p>16.B Promote and enforce non-discriminatory laws and policies for sustainable development</p>	<p><b><i>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</i></b></p> <p>Number and proportion of policies that incorporate sustainable development considerations, in the full sense of recognizing all three of social, economic and environmental considerations.</p>				
<p><b>SDG 17. Partnerships for the goals</b></p> <p>17.14 Enhance policy coherence for sustainable development</p>	<p>Proportion of policies that incorporate sustainable development considerations, linking to SDGs and targets.</p> <p>Incorporation of policy considerations from outside the collections sector into policies of collections-based institutions, to facilitate partnerships and effectiveness.</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>				
<p><b>SDG 17. Partnerships for the goals</b></p> <p>17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships</p>	<p><b><i>17.17.1 Amount of United States dollars committed to public-private and civil society partnerships</i></b></p> <p>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.</p>				
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