

FORMAT		
1. Name of resource	FAO Sustainable Food and Agriculture/Transforming Food and Agriculture to Achieve the SDGs	
2. Location	https://www.fao.org/sustainability/background/en	
3. Alternative location		
4. Author[s]	Food and Agriculture Organization (FAO)	
5. Publisher/producer/host	Food and Agriculture Organization (FAO)	
6. Year	2018	
7. Suggested citation	Food and Agriculture Organization (FAO) (2018), Transforming Food and Agriculture to Achieve the SDGs, https://www.fao.org/sustainability/background/en	
8. Languages in which available	English (report), and Arabic, Chinese, French, Russian, Spanish (website)	
9. Geographic area resource relates to	Global	
10. Does the resource relate to a specific time frame?		
11. Type	Report	Yes
	Toolkit/Framework/Roadmap	Yes
	Sign-post to other resource (database)	Yes
	Case studies	Yes
	Other	
12. Part of an initiative?		
COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS		
13. Explicit links to collections	Yes	
14. Explicit links to museums/libraries/archives	Yes	
15. Types of institutions relevant to	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, law, politics, language, arts and recreation, architecture, literature, history, geography and ethnology, anthropology, archaeology	X

	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		X
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		X
Make decisions around collections that contribute to sustainable development more effectively		
i. employment (recruiting, staff training, staff safety)		
ii. energy consumption, greenhouse gas emissions, reduction, monitoring and reporting		
iii. waste management and reduction of waste		
iv. transport (forms of transport, energy use)		
v. commercial activities including copyright and IP		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	X
2001 Protection of the Underwater Cultural Heritage	
2003 Safeguarding of the Intangible Cultural Heritage	X
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?	“This guide presents a set of actions to speed up the transformation to sustainable food and agriculture that are based on evidence, experience, technical expertise and collective knowledge within FAO. These actions embrace the 2030 Agenda’s vision of sustainable development in which food and agriculture, people’s livelihoods and the management of natural resources are addressed not separately but as one; a future where the focus is not solely on the end goal but also on the means used to achieve it; and a setting where public and private actors participate in legitimizing, engage in shaping and work towards achieving development solutions.” (p.5)
21. Intended audience of resource	“These guidelines are primarily directed towards decision-makers responsible for integrating the goals and targets of the 2030 Agenda for Sustainable Development into national policies and programmes. They will be of value to public and private actors, including investors, researchers and technical practitioners, involved in the broad area of food and agriculture, and rural development.”
22. Process of development	
23. Organisation/structure/contents	Executive summary 4 Mainstreaming sustainable food and agriculture 6 A vision for sustainable food and agriculture 8 5 principles, 20 actions 9 Mapping actions to SDGs 12 20 Actions 14

	<ol style="list-style-type: none"> 1. Facilitate access to productive resources, finance and services 16 2. Connect smallholders to markets 18 3. Encourage diversification of production and income 21 4. Build producers' knowledge and develop their capacities 24 5. Enhance soil health and restore land 27 6. Protect water and manage scarcity 29 7. Mainstream biodiversity conservation and protect ecosystem functions 31 8. Reduce losses, encourage reuse and recycle, and promote sustainable consumption 34 9. Empower people and fight inequalities 36 10. Promote secure tenure rights 38 11. Use social protection tools to enhance productivity and income 41 12. Improve nutrition and promote balanced diets 43 13. Prevent and protect against shocks: enhance resilience 45 14. Prepare for and respond to shocks 47 15. Address and adapt to climate change 49 16. Strengthen ecosystem resilience 51 17. Enhance policy dialogue and coordination 53 18. Strengthen innovation systems 56 19. Adapt and improve investment and finance 58 20. Strengthen the enabling environment and reform the institutional framework 61 <p>Measuring progress 64</p> <p>Policy support tools 68</p> <p>Contributions to SDG targets 71</p>
FRAMEWORKS	
24. Framework structure	<p>The 20 actions can be considered as a framework.</p> <p>The report is also framed around five principles, that also represent a framework:</p> <ul style="list-style-type: none"> • Increase productivity, employment and value addition in food systems • Protect and enhance natural resources • Improve livelihoods and foster inclusive economic growth • Enhance the resilience of people, communities and ecosystems • Adapt governance to new challenges
25. Relevant policy considerations	Yes

26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/milestones/action plan for monitoring	
28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)	
People (social sustainability)	X
Planet (environmental sustainability)	X
Prosperity (economic sustainability)	X
Peace	X
Partnerships	X
29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)	
Gender perspectives	X
North and South perspectives	X
HOW THE RESOURCE CONTRIBUTES TO AGENDA 2030 AND THE SDGs	
HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE	
30. SDGs and Agenda 2030 specifically mentioned?	No
31. SDGs specifically mentioned?	No
32. SDG targets specifically mentioned?	No
33. SDG indicators specifically mentioned?	No
SDGs AND SDG TARGETS AND LINKAGES	
34. Comments on SDG linkages	The resource is strongly connected to SDG targets on sustainable agriculture, that can contribute to a range of SDGs and targets. These include, ensuring everyone has sufficient food (SDG 2.1), ending malnutrition (2.2), increasing productivity (2.3), sustainable food production (2.4), access and benefits sharing of genetic resources (SDGs 2.5 and 15.6). These are also related to SDGs 8.3 (productive work), 1.4 (equal access to property including heritage), building poor communities' resilience (1.5), 10.2 (promoting economic and social inclusion), 11.4 (strengthen efforts to protect and safeguard cultural and natural heritage), 12.2 (sustainable use of natural resources), 13.3 (climate change mitigation and

	adaptation), 15.1 (sustainable use of biodiversity), 15.5 (preventing habitat degradation), and 15.A (mobilize resources to conserve and sustainably use ecosystems and biodiversity).
35. SDGs and SDG targets the resource helps advance	
<p>SDG 1: End poverty in all its forms everywhere 1.4 By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance</p>	<p>Numbers and proportions of people from particular groups using collections in comparison with demographics in broader society.</p> <p>Numbers of people accessing collections.</p> <p>Number of targeted programmes that aim to enhance access to collections by disadvantaged groups.</p> <p>Sustainable tourism that enhances local communities' access to basic services, ownership and control over land and other forms of property (including cultural and natural heritage), as well as to technology and markets.</p> <p>Involvement of people from disadvantaged groups in decision-making activities and processes relating to collections and collections-based institutions.</p>
<p>SDG 1: End poverty in all its forms everywhere 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> <p><i>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</i></p>

<p>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 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>	<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>
<p>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 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>	<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>
<p>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 2.3 By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to</p>	<p>Collections development that can support programmes related to small-scale food producers, for example by ensuring that traditional knowledge is preserved and maintained.</p> <p>Number of educational, awareness-raising, research and partnership programmes based on collections that support small-scale food producers, both in terms of supporting the producers themselves, and that support others to support them.</p>

<p>land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment</p>	<p>Policies and plans in place to ensure that tourism activities support (and do not infringe upon) people's rights of access to land for agricultural purposes.</p> <p>Provide markets for small-scale food producers' products.</p>
<p>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 2.4 By 2030, ensure sustainable food production systems to implement resilient agricultural practices 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>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>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>SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture 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,</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</p>

<p>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>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 seed banks are soundly managed, in terms of risk management and emergency planning.</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>SDG 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 8.3 Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services</p>	<p>Development-oriented policies in place for the range of activities, or development-oriented considerations are included in other policies.</p> <p>Number of micro-, small- and medium-sized enterprises supported.</p> <p>Number and proportion of formalised arrangements with micro-, small- and medium-sized enterprises.</p> <p>Total value of financial services or financial support provided to micro-, small and medium-sized enterprises.</p>

<p>SDG 10. Reduce inequality within and between countries 10.2 By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status</p>	<p>Collections development to ensure that collections effectively meet the needs of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status.</p> <p>Number and proportion of educational and participatory programmes that promote participation irrespective of social or other status.</p> <p>Numbers and proportions of people making use of collections in relation to the demographic of the local population.</p> <p>Numbers and proportions of people involved in focused programmes aimed at promoting social, economic and political inclusion.</p> <p>Numbers and proportions of people from different demographic groups involved in decision-making processes relating to collections and collections-based institutions.</p> <p>Number and types of partnerships that build relationships with marginalized groups, individuals and communities.</p>
<p>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</p>	<p><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></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>SDG 12 Ensure sustainable consumption and production patterns 12.2 By 2030, achieve the sustainable management and efficient use of natural resources</p>	<p>Reduction of material footprint in terms of reductions in consumption of biomass, fossil fuels, metal ores and non-metal ores.</p>
<p>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</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>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 15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements</p>	<p>Proportion of terrestrial and inland freshwater systems in a good ecological condition.</p> <p>Information on, programmes relating to, collections development, and partnerships relating to terrestrial and freshwater systems drawing on collections in place, to support their protection and effective functioning.</p>
<p>SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land</p>	<p>Number and proportion of habitats, notably endangered habitats, and species with favourable conservation status, with special reference to locally, nationally and globally endangered species.</p>

<p>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</p>	<p>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.</p> <p>Measures taken to enhance biodiversity value of green space associated with collections institutions.</p>				
<p>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 15.6 Promote fair and equitable sharing of the benefits arising from the utilization of genetic resources and promote appropriate access to such resources, as internationally agreed</p>	<p>Policies, plans and agreements in place for access and benefit sharing relating to use of collections, in line with the Nagoya Protocol (notably relating to natural history collections, gene banks, tissue banks, seed banks).</p> <p>Effective communication and dissemination methods in place to promote access to resources, and access to relevant policies, plans and agreements, in place.</p>				
<p>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</p>	<p>Revenue generated to conserve and sustainably use biodiversity and ecosystems.</p> <p>Direct financial support given to projects and organisations for conservation and/or sustainable use of biodiversity and ecosystems.</p>				
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7	8	9	10	11	12
13	14	15	16	17	