










## Royal Botanic Gardens, Kew






### General information






<b>Institution</b>	Royal Botanic Gardens, Kew
<b>Legal name</b>	Royal Botanic Gardens, Kew
<b>Foundation year</b>	1759
<b>Name of the Director General or Head of the institution</b>	Richard Deverell, Director Professor Kathy Willis, Director of Science
<b>Brief description of the Scientific Mission of your institution</b>	To document and understand global plant and fungal diversity and its uses, bringing authoritative expertise to bear on the critical challenges facing humanity today
<b>Brief description of the vision of your institution</b>	We want a world where plants and fungi are understood, valued and conserved – because our lives depend on plants and fungi.
<b>Main objectives or lines of action</b>	RBG, Kew is a large botanic garden situated on the edge of London in the UK. With over 250 science staff and over 1 million visitors each year Kew's mission is 'to be the global resource for plant and fungal knowledge, building an understanding of the world's plants and fungi upon which all our lives depend'.
<b>Biodiversity related objectives</b>	Kew has three strategic priorities in science: <ul style="list-style-type: none"> <li>- To document and conduct research into global plant and fungal diversity and its uses for humanity</li> <li>- To curate and provide data-rich evidence from Kew's unrivalled collections as a global asset for scientific research</li> <li>- To disseminate Kew's scientific knowledge of plants and fungi, maximizing its impact in science, education, conservation policy and management.</li> </ul>


**Kew's contribution to the Strategic Plan for Biodiversity 2011-2020 and the Aichi Targets.**

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):
A	1  Public awareness	X				<p>Does your institution develop actions aimed to strengthen awareness, concern and knowledge about biodiversity?</p> <p>Kew has over one million visitors each year, including over 85 thousand school visits. Public awareness of biodiversity is raised in a variety of ways using the latest technologies—festivals (recent science festival: <a href="http://www.kew.org/visit-kew-gardens/whats-on/kew-science-festival">http://www.kew.org/visit-kew-gardens/whats-on/kew-science-festival</a>) , blogs, direct interaction with scientists and educational opportunities. See: <a href="http://www.kew.org/science-conservation/plants-fungi">www.kew.org/science-conservation/plants-fungi</a></p> <p>Launch of annual State of the World's Plant Report in 2016 <a href="https://stateoftheworldsplants.com/">https://stateoftheworldsplants.com/</a></p> <p>Also see attached infographic on economic valuation of Kew to the UK economy (<a href="http://assets.kew.org/files/Infographic.pdf?ga=1.169465697.1759202473.1425907744">http://assets.kew.org/files/Infographic.pdf?ga=1.169465697.1759202473.1425907744</a>)</p>
	2  Valorization	X				<p>Do some of the activities that your institution carries out contribute to the valuation of biodiversity and ecosystem services, contributing to achieve poverty reduction and sustainable development?</p> <p>Active collection of data on priority useful plants (crops, crop wild relatives, plants vital for food security, livelihoods and human health) <a href="http://www.kew.org/kew-science/people-and-data/resources-and-databases">http://www.kew.org/kew-science/people-and-data/resources-and-databases</a></p>
	3  Incentives				X	<p>Does your institution develop actions aimed at countering the effects of harmful incentives for biodiversity or promote the application of incentives with positive effects on biodiversity?</p>
	4  Sustainable				X	<p>Has your institution developed and/or promoted scientific knowledge and/or technology innovation that promote sustainable production and/or consumption (including within your institution)?</p>

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):
	<i>Production</i>					
<b>B</b>	5  <i>Habitat loss</i>	<b>X</b>				<p>Has your institution carried out actions that contribute to a decrease in the rate of loss of natural habitats?</p> <p>Kew works in with its international partners to develop projects that address national conservation priorities. See for example the Tropical Important Plant Areas project: <a href="http://science.kew.org/strategic-output/tropical-important-plant-areas">http://science.kew.org/strategic-output/tropical-important-plant-areas</a></p>
	6  <i>Sustainable management of fishes and invertebrates</i>				<b>X</b>	<p>Has your institution developed or implemented scientific knowledge and/or technology and innovation to promote the sustainable extraction and recovery of species of fish, invertebrates and aquatic plants, or that have contributed to reduce illegal fishing or incidental catch?</p>
	7  <i>Sustainable primary sector</i>	<b>X</b>				<p>Does your institution promote and contribute to the sustainable management of agricultural land, and/or farming of aquatic organisms, and/or forests?</p> <p>Many examples of Kew projects focused on agroforestry including: Forest Future Bolivia, <a href="https://tropicalbotany.wordpress.com/">https://tropicalbotany.wordpress.com/</a> Sustainable agroindustry in Peru: <a href="http://www.kew.org/science-conservation/research-data/science-directory/projects/conservation-restoration-and">http://www.kew.org/science-conservation/research-data/science-directory/projects/conservation-restoration-and</a></p>
	8  <i>Pollution reduction</i>				<b>X</b>	<p>Does your institution carry out actions to control, monitor and/or improve water pollution, and/or ocean and coast pollution, and/or soil pollution, and/or solid waste pollution, and/or air pollution?</p>
	9  <i>Invasive species</i>	<b>X</b>				<p>Does your institution develop actions aimed at the identification, prevention, control and eradication of exotic invasive species?</p> <p>Kew works with various partners to identify, monitor and address the threat of invasive alien species Examples include Kew's longstanding work in UK Overseas Territories: <a href="http://www.kew.org/science-conservation/research-data/science-directory/projects/invasive-species-uk-">http://www.kew.org/science-conservation/research-data/science-directory/projects/invasive-species-uk-</a></p>

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):
						<a href="#">overseas</a>
	 10 <i>Pressures on vulnerable ecosystems</i>					<p>Does your institution develop scientific knowledge and/or technology and innovation to reduce the anthropogenic pressure factors and maintain integrity and functioning of coral reefs and/or other ecosystems vulnerable to climate change?</p>
					X	
C	 11 <i>Protected Areas</i>					<p>Does your institution develop scientific knowledge and/or technology and innovation that promote or contribute the efficient management, representativeness, connectivity and integration landscape of protected areas (terrestrial, and/or marine and coastal) or the creation/incorporation of new public, private or community conservation areas?</p>
		X				<p>Kew has a huge amount of experience in working with partners to support protected area management. Examples include –The Itremo Massif project in Madagascar:  <a href="http://www.kew.org/science-conservation/research-data/science-directory/projects/itremo-massif-protected-area-project">http://www.kew.org/science-conservation/research-data/science-directory/projects/itremo-massif-protected-area-project</a>            Working with Angolan Protected Areas Expansion Strategy:  <a href="http://www.kew.org/science-conservation/research-data/science-directory/projects/assessing-plant-conservation">http://www.kew.org/science-conservation/research-data/science-directory/projects/assessing-plant-conservation</a></p>
	 12 <i>Threatened Species</i>					<p>Does your institution develop scientific knowledge and/or technology and innovation to promote and contribute to the effective protection of threatened species?</p>
		X				<p>One in five plants are estimated to be threatened (SOWPR2016)and Kew works with partners worldwide to identify risks and provide assessment material and data to the IUCN Red List programme</p>
	 13 <i>Genetic diversity</i>					<p>Does your organization develop scientific knowledge and/or technology and innovation aimed to maintain native genetic diversity and the wild relatives of cultivated plant species and/or livestock and domesticated animals?</p>
		X				<p>See in particular the Crop Wild Relative Project:  <a href="http://www.cwrdiversity.org/">http://www.cwrdiversity.org/</a></p>
D	 14 <i>Restoration</i>					<p>Has your institution developed scientific knowledge and/or technology and innovation for the restoration and recovery of ecosystem services taking into consideration the needs of women, indigenous and local communities and the poor and vulnerable?</p>
					X	

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):	
E	15  Resilience	Has your institution developed scientific, technical and/or technological actions of ecological restoration and rehabilitation? How many actions since 2011 and is the approximate restored area of degraded ecosystems within the framework of these actions?					
					X	List of actions:  Restored area:	
	16  Nagoya Protocol	X				Kew has been at the forefront of developments in the non-commercial scientific research community to develop best practice guidelines to support effective implementation of the Nagoya Protocol. Kew has already developed an institutional ABS Toolkit <a href="http://www.cbd.int/abs/submissions/icnp-3/EU-Kew-letter.pdf">www.cbd.int/abs/submissions/icnp-3/EU-Kew-letter.pdf</a> And an internal staff guide to collecting, use and supply of genetic resources and traditional knowledge.	
E	17  NBSAP update	Has your institution collaborated in the elaboration and/or implementation of the National Biodiversity Strategy of its country, or any other biodiversity strategy at a sub-national level or equivalent?					
		X				Kew is one of the key institutions feeding into the UK Biodiversity Action Plan <a href="http://jncc.defra.gov.uk/ukbap">http://jncc.defra.gov.uk/ukbap</a>	
	18  Traditional Knowledge	X				Kew works with partners to ensure that traditional knowledge, innovations and practices of ILCs are respected. Specific projects include: Medicinal Knowledge in the Amazon <a href="http://www.kew.org/discover/blogs/kew-science/medicinal-knowledge-amazon">http://www.kew.org/discover/blogs/kew-science/medicinal-knowledge-amazon</a>	
E	19  Knowledge, science and technology	Does your institution generate scientific, technical and/or technological information on biodiversity? How does your institution consider that the availability of useful information on biodiversity (assessment, monitoring, inventories, studies, etc.) is in your country?					
		X				See: <a href="http://www.kew.org/kew-science/people-and-data/resources-and-databases">http://www.kew.org/kew-science/people-and-data/resources-and-databases</a>	

Objective / Aichi Target	Yes	Partially	No	NA	Main actions performed (for 2011-2016):
20	 Funding	X			<p>What is the approximate percentage of your institution's annual budget destined for the implementation of scientific, technical and/or technological actions aimed for the conservation and sustainable use of biodiversity and ecosystem services and does your institution have fundraising strategies for this purpose?</p> <p>Kew's role and responsibilities are clearly set out by law in UK. The National Heritage Act 1983 which defines the broad objectives and responsibilities for our Board of Trustees. Under the terms of the Act the Board shall:</p> <ul style="list-style-type: none"> <li>- carry out research into the science of plants and related subjects and disseminate the results;</li> <li>- provide advice, instruction and education in relation to the aspects of botany in which we are involved;</li> <li>- provide other plant related services including quarantine.</li> <li>- care for the collections;</li> <li>- keep the collections as national reference collections, secure and available for study;</li> <li>- afford opportunities to the public to enter land managed by the Board for the purpose of gaining knowledge and enjoyment.</li> </ul> <p>As a body set up under statute, the UK Government has a primary role in ensuring that the Royal Botanic Gardens, Kew is adequately resourced to fulfil its statutory obligations.</p> <p><a href="http://www.kew.org/about/our-work/statutory-obligations">http://www.kew.org/about/our-work/statutory-obligations</a></p> <p>Kew has also set up a separate charity, Kew Foundation, which has the sole task of raising additional funds for Kew's work:</p> <p><a href="http://www.kew.org/about/our-work/people-and-departments/about-kew-foundation">http://www.kew.org/about/our-work/people-and-departments/about-kew-foundation</a></p>