














Singapore Botanic Gardens (SBG)







General information


Institution	Singapore Botanic Gardens (SBG)
Legal name	National Parks Board
Foundation year	1859
Name of the Director General or Head of the institution	Dr Nigel Taylor
Brief description of the Scientific Mission of your institution	Understand and document floras of Singapore and Southeast Asia
Brief description of the vision of your institution	Connecting Plants and People
Main objectives or lines of action	Research, education and cultural events
Biodiversity related objectives	Research, education and cultural events

SBG'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	Does your institution develop actions aimed to strengthen awareness, concern and knowledge about biodiversity?				Document and describe biodiversity, conduct education and outreach events, guided walks and children's programmes at Jacob Ballas Children's Garden
			X				
	2	 Valorization	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?				Document and describe biodiversity, maintain a Herbarium as a knowledge repository that can potentially have information required for the valuation of biodiversity.
				X			
B	3	 Incentives	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?				
						X	
	4	 Sustainable Production	Has your institution developed and/or promoted scientific knowledge and/or technology innovation that promote sustainable production and/or consumption (including within your institution)?				
						X	
B	5	 Habitat loss	Has your institution carried out actions that contribute to a decrease in the rate of loss of natural habitats?				The SBG Herbarium plays a part in assessment of development projects through its identification and cataloguing of plant specimens.
				X			
	6	 Sustainable management of fishes and invertebrates	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?				
						X	

Objective / Aichi Target			Yes	Partially	No	NA	Main actions performed (for 2011-2016):
	7	 Sustainable primary sector	Does your institution promote and contribute to the sustainable management of agricultural land, and/or farming of aquatic organisms, and/or forests?				
					X		
	8	 Pollution reduction	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?				
					X		
	9	 Invasive species	Does your institution develop actions aimed at the identification, prevention, control and eradication of exotic invasive species?				
				X			Invasive plants are actively removed from the rainforest in the SBG
	10	 Pressures on vulnerable ecosystems	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?				
					X		
C	11	 Protected Areas	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?				
				X			The SBG plays a role in the management of Singapore's Nature Reserves through the generation of scientific knowledge relevant for conservation
	12	 Threatened Species	Does your institution develop scientific knowledge and/or technology and innovation to promote and contribute to the effective protection of threatened species?				
			X				The SBG Herbarium plays a critical role in documenting records of endangered plant species, which enables further conservation action.
	13	 Genetic	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?				
			X				The SBG has breeding and reintroduction programmes for both native orchids and

Objective / Aichi Target			Yes	Partially	No	NA	Main actions performed (for 2011-2016):
		<i>diversity</i>					native gingers. Research is also conducted on genetic diversity and gene flow in native ginger populations, which guide conservation policies.
D	14	 <i>Restoration</i>	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?				
					X		
	15	 <i>Resilience</i>	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	 <i>Nagoya Protocol</i>	Have you heard of the Nagoya Protocol, and has your institution developed scientific, technical and/or technological actions linked to it?				
					X		
E	17	 <i>NBSAP update</i>	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				The work carried out in SBG plays an important role in at least 3 of the 5 strategies of Singapore's NBSAP.
	18	 <i>Traditional Knowledge</i>	Does your institution integrate traditional knowledge, innovations and practices of indigenous and local communities relevant for the conservation and sustainable use of biodiversity?				
					X		
	19	 <i>Knowledge, science and technology</i>	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?				
			Yes	Partially	No	NA	Examples of information generated in conservation, values, functioning, status, trends, impacts of loss, sustainable use or others.
			X				Publication of scientific and popular papers

Objective / Aichi Target			Yes	Partially	No	NA	Main actions performed (for 2011-2016):
			Sufficient	Limited	Scarce		Indicate relevant gaps of information and information available and its sources.
			X				
20	 Funding	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?					
						15%	