












Instituto Nacional de Biodiversidad (INBio), Costa Rica







General information



Institution	Instituto Nacional de Biodiversidad
Legal name	Asociación Instituto Nacional de Biodiversidad
Foundation year	1989
Name of the Director General or Head of the institution	Randall García
Brief description of the Scientific Mission of your institution	INBio is a private center of investigation and management of biodiversity, established in 1989 to support the efforts of getting to know the biological diversity of the country and promote its sustainable use. The organization works under the premise that the best way to preserve perpetual the biodiversity is to take advantage of the opportunities that this offers to improve the quality of life of society.
Brief description of the vision of your institution	The core process of the institution consists on: capture, process, and to transfer and spread information and knowledge about the country's biodiversity to society.
Main objectives or lines of action	<p> Bioliteracy Bioprospecting Conservation Computer science for biodiversity Development of capabilities </p>
Biodiversity related objectives	<ul style="list-style-type: none"> - Promote a diverse and innovative educational offer based on biodiversity and the ecosystems' services. - Convert the services of the ecosystems in an axis to take decisions in the private and public sectors. - Offer integral and innovative solutions based on the generation and processing of scientific information.


INBio'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  <i>Public awareness</i>	Does your institution develop actions aimed to strengthen awareness, concern and knowledge about biodiversity?				<p>During the last five years INBio has received around 140,000 visitors per year. www.inbioparque.com As part of the national biodiversity information system, INBio has provided information on more than 4,500 species in a friendly language for elementary and high school students (scientific and cultural information) www.crbio/species</p>
	X					
	2  <i>Valorization</i>	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?				
	X					
3  <i>Incentives</i>	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			X			
4  <i>Sustainable Production</i>	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>Projects aimed at promoting new ways for sustainable use have been carried out in rural communities, through the cultivation of edible mushrooms, butterflies and local edible plants.</p>	
X						
B	5  <i>Habitat</i>	Has your institution carried out actions that contribute to a decrease in the rate of loss of natural habitats?				
	X					

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):
	<i>loss</i>					
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	
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		
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				Applications for biodiversity land

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):
						management are developed at different scales https://sites.google.com/a/inbio.ac.cr/geomatica
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			
13	 Genetic diversity	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			
14	 Restoration	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	 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	Have you heard of the Nagoya Protocol, and has your institution developed scientific, technical and/or technological actions linked to it?				
		X				For 24 years, INBio has developed a bioprospecting program aimed at searching medical, cosmetic, agricultural, and energy applications of biodiversity components. We have worked with 35 academia partners and 35 national and international commercial partners, of which 10 have joined us within the last 5 years. There are 4 products in the market. www.inbio.ac.cr/publicaciones.html
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				Through its inventory activities information has been generated on a third of the known species in the country. From 2011 to date

Objective / Aichi Target		Yes	Partially	No	NA	Main actions performed (for 2011-2016):
						<p>about 500 species new to science have been identified.</p> <p>The management work of INBio for the integration of national biodiversity information system has allowed the development of an important component of the clearing house mechanism</p> <p>www.crbio.cr</p>
18	 Traditional Knowledge	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	 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			NA	<p>We have generated information on the conservation status or use of various species. It is information for decision-making on management</p> <p>www.inbio.ac.cr/es/estudios/indice</p> <p>We have generated information at Central American level on the status on knowledge of the flora and integrated scientific information has been facilitated, as well as information for general use, by producing 23 publications for free distribution related to local uses (medicinal, handicrafts, folklore, agriculture, landscape, etc.)</p> <p>www.inbio.ac.cr/web_herbarios/web/index.htm#</p> <p>In recent years, documentary information about the country's species has made available for free, aimed at researchers and students.</p> <p>www.inbio.ac.cr/otus/servicios.html</p>
		Sufficient	Limited	Scarce		<p>The National Biodiversity Information System CRBio is the main source for integrated information, including national and international data providers.</p> <p>www.crbio.cr</p>
			X			
20		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				

Objective / Aichi Target			Yes	Partially	No	NA	Main actions performed (for 2011-2016):
		 Funding	X				<p>does your institution have fundraising strategies for this purpose?</p> <p style="text-align: center;">90%</p> <p>INBio does not receive funding from the Costa Rican government, reason for which its funding strategy is based on cooperation and capacity development projects as well as technical assistance services.</p>