



IMPLEMENTATION:
PCI BARRA DO GARÇAS REGIONAL PACT



The Nature
Conservancy



SUPPORT:



CONTACT:
Jessika Hirata
PCI Executive Secretariat
Jessika.hirata@gmail.com
secretariaexecutiva.pcibg@gmail.com

DECEMBER 2022



TARGET MONITORING

Mato Grosso Produce, Conserve
and Include Strategy
BARRA DO GARÇAS REGIONAL COMPACT

2018 to 2021
Year 3

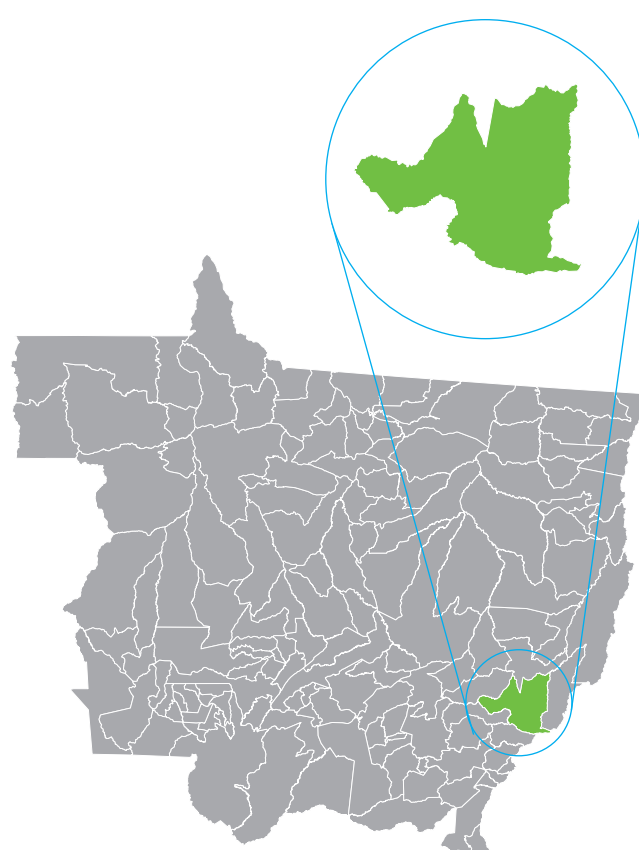
WS.com.br



PRODUCE

CONSERVE

INCLUDE



Barra do Garças Regional Pact

Barra do Garças is a municipality located in the Center-West Region of Mato Grosso, with an area of 9,078.983 km² and 61,135 inhabitants. The main production chains in the region are soy, cattle, fruits, and vegetables. Another important economic activity in the region is tourism.

The Regional Pact of Barra do Garças acts as part of the IDH Regional Pacts program and aligned with the PCI strategy. In 2019, through the Municipality of Barra do Garças together with PCI, TNC, IDH, JBS and class entities of the private sector, a **Memorandum of Understanding** was signed with the objective of establishing a cooperation mechanism and making the necessary efforts to promote sustainable economic development through the PCI strategy in the municipality of Barra do Garças, over a five-year time horizon.

Monitoring of PCI Barra do Garças goals

The institutions defined as official sources of data to measure the evolution of the indicators are: Institute of Agricultural Defense (INDEA), State Secretariat for the Environment (SEMA), Image Processing and Geoprocessing Laboratory (LAPIG), INPE Project - which performs satellite monitoring of clear-cut deforestation in the Legal Amazon (PRODES) and the Project for the Annual Mapping of Land Use and Coverage in Brazil (MapBiomias). In addition to the official institutions, other partner institutions, such as TNC, through its science team, systematized public data for 2021, in a preliminary way to respond to the evolution of the indicators of the Produce and Conservation axes.

To update the 2021 Monitoring worksheet, the PCI-BG Executive Secretary sent letters to INDEA and SEMA, requesting data for the Produce, Include and Conserve axes, respectively. INDEA has already replied, in the case of SEMA, BG Pact is still waiting for the requested information.

Regional pacts (2030 vision)

In 2022, the PCI Institute, with the support of GIZ, hired a consultancy to establish the guidelines and minimum criteria for the consolidation of Regional Pacts in the state of Mato Grosso.

The main results of the work indicated the (i) **constitution of new Regional Pacts for the scalability of PCI actions in Mato Grosso**, (ii) **improvement of the governance system of regional pacts**, (iii) **alignment of plans around a PCI Theory of Change**, (iv) **improvement of the mechanisms that can generate engagement of the most relevant actors and forms of coordination between them**, (v) **improvement of the forms of production and use of information to generate learning and adaptive improvement of the governance of the Regional Pacts and regional policies**. The results of this work will guide PCI and local actors in implementing the necessary guidelines and actions from 2023 onwards.

Monitoring platform

In 2023, the PCI Institute, with the support of GIZ, will launch a monitoring platform providing monitoring data since 2015 for 38 PCI target indicators in all 141 municipalities in the state. The results of this work will contribute to support the Regional Pacts in monitoring their goals as well as in the priority actions for the implementation of the PCI strategy in the municipalities of the State.

SINCE
2015

38
PCI TARGET
INDICATORS

ALL
141
MUNICIPALITIES
IN THE STATE

TARGET MONITORING – 2019 TO 2021

Axis	Target	Indicator	Data source	2019	2020	2021
PRODUCE	Produce Recover 100,000 ha of degraded pastures by 2030	Recovered degraded pasture area (in hectares)	MapBiomass 7.0	2,282 ha	3,392 ha	18 ha
	Increase cattle production by 20% by 2025 and 30% by 2030	Increase in cattle production (number of heads)	IBGE/INDEA	-	448,040 kg/ha/year	448,040 kg/ha/year
	Increase slaughter of precocious steers by 50% by 2030	Increase in the slaughter of precocious steers by 50% by 2030	INDEA/MT e LAPIG	-	-	-
	Increase the grain planting area via the Crop/Livestock Integration system in degraded pastures by 100% by 2030	Degraded pasture area (ha) in recovery process using integrated production systems	Agroideal + INDEA	-	-	
	Increase average grain productivity by 8% by 2030	Kilogram of Soy planted per hectare	IBGE	-	-	-
	Foster agricultural production of renewable energy sources through biomass on 10,000 ha by 2030	Area increase with production of i. corn (intended for ethanol production); ii. sugar cane (intended for ethanol production), iii. hay and iv. Wood (eucalyptus), considering its use as a source of energy through plant biomass	Rural Syndicate and INDEA	-	Corn and sugarcane ethanol/ eucalyptus biomass 5,200 ha Sugar cane: 75 ha	-

CONSERVE	Eliminate illegal deforestation by 2030	Area with illegal deforestation (in thousand hectares)	SEMA	32,047 ha	117,064 ha	145,121 ha
	Implement a payment for environmental services (PSA) program in a municipal watershed by 2025	# PSA program implemented	Alto Araguaia Watershed Committee	0	0	0
	Register 100% of rural properties with SIMCAR by 2024	Percentage in relation to the area that can be registered in the County	SEMA- MT	98%	99%	77%
	Validate 50% of the CAR until 2024	% number of CAR validated in the State in relation to subscribers	SEMA MT	1%	3%	2%
	Recover 100% of all municipal springs by 2025	Area of Permanent Preservation (springs) in recovery process (hectares)	SEMA MT	42.8	-	-
	Recover and/or reforest with native vegetation 100% of the APPD by 2025	Hectares of recovered APPs	SEMA MT	959 ha	496 ha	-

INCLUDE	Increase fish production via aquaculture by 50% by 2023	Number of fish (male/female)	IBGE		23,059 animals	23,059 animals
	Increase fish production via artisanal fisheries by 50% by 2030	Number of fish (male/female)	INDEA	46,570 animals	46,570 animals	
	Produce 250 tons of fish/year by 2030	Quantity/fish/year (in tons)	INDEA		69,629 ton	69.629 ton
	Increase honey production by 100% by 2025	Tones	IBGE	64.8 ton	42.1 ton	46.5 ton
	Increase the production of Olericulture and Fruits by 100% by 2025	Tones Tones	IBGE	914 ton	764 ton	
	Increase production of free-range pork (lard and meat) by 40% by 2030	Number of animals	INDEA	-	9,793 animals	9,793 animals
	Increase poultry production by 50% by 2025	Number of animals	INDEA		180 animals	180 animals
	Goats and Sheep by 50% by 2023	Number of animals	IBGE	Goat: 514 Sheep: 4,502	Goat: 546 Sheep: 4,545	-
	Increase milk production by 30% by 2025	Production in thousand liters	IBGE	1,476 thousand liters	1,100 thousand liters	
	Install the first fruit and vegetable processing unit by the end of 2023	Fruit and vegetable processing units	City Hall SEDER/BG	0	0	0
	Implement Tourism in rural areas with at least ten products ready by 2023	Deployed tourism units	Tourism Secretary of Barra do Garças	1	2	1

TECHNICAL NOTE:

• **Pasture recovery goal:** To generate the values of the transitions, data from Collection 7 of MapBiomass were used, based on trend images derived from the MOD13Q1 EVI series from the Terra Modis satellite, considering the 50th percentile on monthly images. Coverage data of areas that, for the period of interest, become pasture or cease to be pasture were considered, as well as information on transitions between pasture quality classes (non-degraded, moderately degraded and severely degraded). In 2023, the PCI Institute will update these data based on a study currently being carried out by Lapiq where 70,000 satellite images in Mato Grosso and approx. 400 field validation points.

• **Register 100% of rural properties with SIMCAR by 2024:** Processing via GEOPORTAL (sema.mt.gov.br) and Link for download. Registerable area in the municipality totaling 694,768 hectares (does not overlap with TIs and UCs) considered for the calculation of percentages of areas. The result found for 2021 is 587 rural properties, of which: 27 (3% of the registerable area) validated, 496 (59% of the registerable area) under analysis or awaiting completion and 64 (15% of the registerable area) canceled or rejected.

• **Recover and/or reforest with native vegetation 100% of the APPD by 2025:** Database: SEMA MT - Geoportal. The result found for 2020 was 959 ha of APPD and 496 ha of APPD in 2021, totaling around 1,455 ha of APPD in the municipality. However, the Geoportal system only indicates the CAR registration number to which this APP is related and does not provide enough information to assess whether these registered APPDs were in fact restored.