



Integrated Landscape Management in the Cerrado Biome Project (P164602)

LATIN AMERICA AND CARIBBEAN | Brazil | Environment, Natural Resources & the Blue Economy Global Practice | Recipient Executed Activities | Investment Project Financing | FY 2019 | Seq No: 8 | ARCHIVED on 27-Jun-2022 | ISR51156 |

Implementing Agencies: Brazil - Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ), Ministry of Agriculture, Livestock, and Food Supply (MAPA), Ministry of Environment / Brazilian Forest Service, National Rural Learning Service

Key Dates

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Bank Approval Date: 29-Oct-2018

Effectiveness Date: 01-Mar-2019

Planned Mid Term Review Date: 22-Jul-2022

Actual Mid-Term Review Date:

Original Closing Date: 29-Dec-2023

Revised Closing Date: 29-Dec-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To strengthen the adoption of environmental conservation and restoration practices, and low-carbon emission agricultural practices in selected watersheds of Brazil's Cerrado Biome.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

Institutional Development and Capacity Building for Landscape Management:(Cost \$2.30 M)

Mainstreaming Landscape Practices into Selected Watersheds:(Cost \$15.10 M)

Project Management, Monitoring, Evaluation and Communication:(Cost \$3.60 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

This Project is part of the Brazil Investment Plan (BIP) under the Forest Investment Program (FIP). The higher-level objective of the BIP, to which the project contributes, is to promote sustainable land use and improved forest management in the Cerrado, the second largest biome in Brazil and South America, leading to reduced pressure on its remaining forests, reduced GHG emissions and increased CO2 sequestration.

The Project is a result of the collaboration amongst the Ministry of Agriculture, Livestock and Food Supply (MAPA), the Brazilian Forest Service (SFB), the National Rural Learning Service (SENAR), and the German Technical Cooperation Agency (GIZ); and with technical collaboration of the National Institute for Space Research (INPE) and the Brazilian Agricultural Research Corporation (EMBRAPA).

The Project Components and overall implementation status are:



Component 1: Institutional Development and Capacity Building for Landscape Management. Supporting the development of capacities at the national and local levels to plan and implement a landscape approach in the selected watersheds.

The first major result of the component was the selection of 15 priority watersheds, from among the 53 identified preliminarily, in seven states: Bahia, Goiás, Maranhão, Minas Gerais, Mato Grosso do Sul, Mato Grosso and Tocantins. Some smaller watersheds in Mato Grosso and Goiás states were grouped with others, so that today the project is working in ten target watersheds.

The Project is also supporting studies and Rural Environmental Cadaster System (SICAR) improvements, and also an evaluation on the Brazilian low carbon agriculture plan from MAPA (ABC Plan). Additionally, equipment to strengthening INPE, EMBRAPA and SFB were acquired and installed to date, INPE/Embrapa have finalized mapping land use and land cover in the Cerrado Biome for 2018 (TerraClass 2018). TerraClass 2018 was launched in June, 2021. TerraClass aims to map classes of use and land cover (secondary vegetation, agriculture, livestock, mosaic occupation, forestry, urban areas) in all states of the Cerrado Biome.

Component 2: Mainstreaming Landscape Practices into Selected Watersheds. Promoting the adoption of low-carbon emission agricultural practices and restoration practices within private landholdings and help improve production efficiency and environmental compliance.

To date, 189 long-term consultants are hired to provide technical assistance in the field and interviews were made with agricultural producers to identify potential project beneficiaries. Face-to-face and virtual training activities were held, including on Bank social and environmental safeguards policies.

Field activities have been re-initiated since 2020/2021, and the implementation pace is being accelerated. SENAR had made a first contact with 8,357 landholdings to evaluate interest in the participating in the project. A questionnaire was applied in some 5,600 holdings by permanent field technicians of SENAR as basis for the selection of participants. Only properties (not leased holdings) with ranching as a principal activity, located in a priority watershed, were selected. Overall, 5,446 holdings were registered by SENAR, of which 4,778 of which have received at least one field visit by a rural assistance agent. Not all of these, however, have been participating actively in the project. Currently (March 2022), there are circa of 2,900 holdings adopting low carbon agriculture practices.

Component 3: Project Management, Monitoring, Evaluation and Communication.

The Project coordination is successfully carrying out all managerial and operational procedures as well as inter-institutional communication needed to coordinate, implement and monitor the Project. The project communication plan is prepared and under implementation.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Substantial	☐ Moderate	☐ Moderate
Macroeconomic	☐ Moderate	☐ Moderate	☐ Moderate
Sector Strategies and Policies	☐ Low	☐ Low	☐ Low
Technical Design of Project or Program	☐ Moderate	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Moderate	☐ Moderate	☐ Moderate
Fiduciary	☐ Substantial	☐ Moderate	☐ Moderate
Environment and Social	☐ Low	☐ Low	☐ Low
Stakeholders	☐ Moderate	☐ Moderate	☐ Moderate
Other	--	--	--
Overall	☐ Substantial	☐ Moderate	☐ Moderate

Results



PDO Indicators by Objectives / Outcomes

Strengthen the implementation of env conservation and restoration practices in selected watersheds				
▶ Land area where conservation and restoration practices have been adopted. (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	19,138.00	19,425.00	7,000.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	<p>Field visits have been re-initiated, but the implementation pace is still behind the expectation to prevent COVID 19 request of farmers.</p> <p>This indicator considered the total number of identified producers which have areas where conservation, restoration practices are being implemented.</p> <p>As part of the mid term review, this indicator is currently being disaggregated by type of conservation and restoration due to a discrepancy in the beneficiaries rural properties areas that might lead to misinterpretations.</p>			
▶ Landholders adopting environmental conservation and restoration practices. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	822.00	840.00	3,500.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	<p>This indicator measures the cumulative number of private landholdings which have RLs and/or APPs that, as a result of the Project, incorporated and/or improved practices. The following conservation or restoration practices are envisaged: Restoration Plans (PRAs) approved; RL and APP maintenance and/or enrichment; fencing; natural regeneration; assisted regeneration; planting or direct seeding of native or non-native tree species; silvicultural systems; erosion control; terraces; runoff management; invasive species control; fertilization; disturbance removal; fuel reduction by mechanical means; re-introduction of prescribed fire; fire surrogates. The Project aims for at least 25 percent of all participants in rural-extension and technical-assistance services to be female-headed landholdings. The expected average area where conservation and/or restoration practices have been adopted per landholding is 2 ha, for an average landholding area of 300 ha. Related to FAP indicator: Land users adopting sustainable land management practices as a result of the Project. Relates to CPF indicators: number of landholdings adopting landscape management and/or sustainable agricultural practices as a result of WBG support; number of properties where RLs and/or APPs are implemented and/or land restoration is adopted. The teams have prepared the action plan for the first 3 priority areas. SENAR has completed the survey of landowners in one of the priority areas, but technical assistance visits had been put on hold due to the new corona virus outbreak, from March to May. Since June 2020, few field visits have re-initiated, but the implementation pace has been slowed down following local legal restrictions to prevent COVID 19 contamination and by the request of farmers.</p> <p>This indicator monitoring methodology was reformulated to better reflect its achievement and handle the amount of data being generated by the Project. Thus, there was a significant decrease in the value reported from November, 2020, to May, 2021. This decrease impacted the gender-disaggregated data from this indicator as well. The UGP is recalculating the previous values of the indicator achievements as part of the Mid Term Review activities.</p>			
□ Landholders adopting conservation and restoration practices - Female (Number, Custom Breakdown)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	205.00	205.00	875.00
Date	23-Aug-2018	30-Nov-2021	30-Nov-2021	29-Dec-2023
<input type="checkbox"/> Landholders adopting conservation and restoration practices: Male. (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	617.00	617.00	2,625.00
Date	23-Aug-2018	30-Nov-2021	30-Nov-2021	29-Dec-2023

Strengthen the implementation of low-carbon emission agricultural practices in selected watersheds

► Land area where low- carbon emission agricultural practices have been adopted. (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	11,181.00	12,305.00	100,000.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	Since June 2020, few field visits have re-initiated, but the implementation pace has been slowed down following local legal restrictions to prevent COVID 19 contamination and by the request of farmers. This indicator is currently being reassessed due to a discrepancy in the beneficiaries rural propertys areas that might lead to misinterpretations.			

► Farmers adopting improved agricultural technology (Number, Corporate)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	688.00	711.00	4,000.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	SENAR hired the set of technicians to deliver the technical assistance, they have completed the capacity building activities. Other trainings are envisaged during technical assistance time life. Field visits have re-started following each location's restrictions due to the C19 pandemic, and all precautions are being taken.			

Farmers adopting improved agricultural technology - Female (Number, Corporate Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	149.00	149.00	1,000.00

Farmers adopting improved agricultural technology - male (Number, Corporate Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	539.00	539.00	3,000.00



Intermediate Results Indicators by Components

Institutional Development and Capacity Building for Landscape Management				
► Institutions provided with capacity building support to improve management of landscapes. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	5.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	To date, the following institutions have received capacity building activities to improve management of landscapes: MAPA, SFB, Embrapa Cerrados, Embrapa Informática, INPE and SENAR. Equipment to strengthening INPE, EMBRAPA, SENAR and SFB are being acquired and installed. The project is also supporting studies and Rural Environmental Cadaster System (SICAR) improvement.			
► Maps on land use and land cover in the Cerrado Biome are made available (TerraClass Cerrado 2016, 2018 and 2020). (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	TerraClass aims to map classes of use and land cover (secondary vegetation, agriculture, livestock, mosaic occupation, forestry, urban areas) in all states of the Cerrado Biome. TerraClass 2018 was launched in June 2021 and it is available at: https://www.terraclass.gov.br/webgis-cerrado/			
► Maps on land use and land cover changes in selected watersheds available are made available. (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	The 2018 TerraClass mapping of the Cerrado was carried out, completed and made available for public access by Information. At selected intervention areas, INPE and Embrapa are preparing connectivity mapping.			
► Watersheds where Action Plans have been prepared. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	7.00	10.00



Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	Seven action plans comprehending 40 watersheds have been prepared in the states of Bahia (1), Goiás (6), Maranhão (1), Mato Grosso do Sul (1), Mato Grosso (2) e Tocantins (3). This indicator will be adjusted to correctly reflect the result			
► Land area under land use planning for landscape management. (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	235,048.00	307,928.00	1,200,000.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	The Action Plans have been concluded, technical assistance has been initiated in June 2020. This indicator is currently being reassessed due to a discrepancy in the beneficiaries rural properties areas that might lead to misinterpretations.			
► Landholdings adopting land use planning tools for landscape management. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,170.00	2,942.00	4,200.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	This indicator measures: Producers who adopted land use planning instruments for landscape management with the application of the ISA questionnaire or Visits with Planning Status: 'Open', 'Requested Reformulation', 'Reformulating' and 'Completed' that indicate the existence of a planning being developed in the property attended. This indicator has evolved, but is behind of the expected beneficiaries.			

Mainstreaming Landscape Practices into Selected Watersheds				
► People employed in agricultural services and/or restoration practices as a result of the Project. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	191.00	143.00	150.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	SENAR hired 189 technicians for ATeG, The set of technicians have been hired and trained. Embrapa hired 2 technicians for the URTs			
□ People employed in agricultural services and/or restoration practices as result of Project -- Female. (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	46.00	46.00	37.00



Date	23-Aug-2018	30-Nov-2021	30-Nov-2021	29-Dec-2023
<input type="checkbox"/> People employed in agricultural services and/or restoration practices - Male (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	145.00	145.00	113.00
Date	23-Aug-2018	22-Jan-2020	22-Jan-2020	29-Dec-2023
<input checked="" type="checkbox"/> Farmers reached with agricultural assets or services (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,268.00	1,541.00	5,200.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	Technicians have been hired and are being trained. Technical assistance initiated in June 2020, and has been delivered in a distant learning format.			
<input type="checkbox"/> Farmers reached with agricultural assets or services - Female (Number, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	481.00	481.00	1,560.00

Component 3 - Project Management, Monitoring, Evaluation and Communication				
<input checked="" type="checkbox"/> Share of landholders satisfied with agricultural and /or restoration services provided by the Project. (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	94.00	94.00	70.00
Date	23-Aug-2018	30-Nov-2021	06-Jun-2022	29-Dec-2023
Comments:	Technicians have been hired and are being trained, technical assistance slowly initiated in June 2020, following all COVID-19 pandemic. Data from the FIP Landscape Satisfaction Survey.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

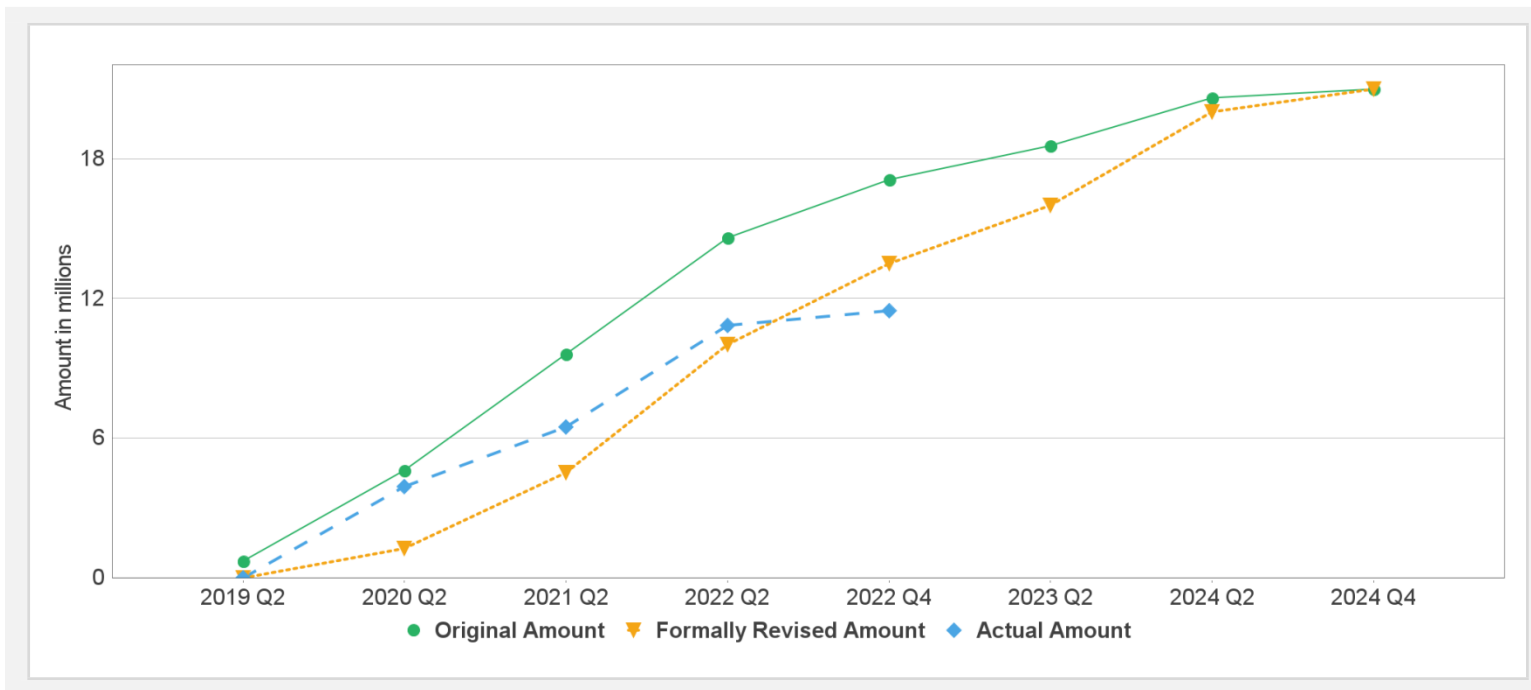


Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P164602	TF-A8532	Effective	USD	21.00	21.00	0.00	11.46	9.54	55%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P164602	TF-A8532	Effective	29-Oct-2018	07-Nov-2018	01-Mar-2019	29-Dec-2023	29-Dec-2023

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.