



Rural Environmental Cadastre and Fire Prevention in Bahia State Project (P143376)

LATIN AMERICA AND CARIBBEAN | Brazil | Environment & Natural Resources Global Practice |
 Recipient Executed Activities | Technical Assistance Loan | FY 2015 | Seq No: 2 | ARCHIVED on 11-Sep-2015 | ISR19189 |

Implementing Agencies: Secretaria do Meio Ambiente do Estado da Bahia - SEMA-BA

Key Dates

Key Project Dates

Board Approval date:12-Sep-2014

Effectiveness Date:17-Sep-2014

Planned Mid Term Review Date:30-Sep-2016

Actual Mid-Term Review Date:--

Original Closing Date:30-Jun-2016

Revised Closing Date:30-Jun-2016

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project's main objective is to promote the reduction of climate change impacts in the Cerrado of the west of the Bahia State by: (i) promoting the environmental regularization of landholdings in the targeted municipalities and support actions to promote recovery of environmental liabilities; and (ii) strengthening the State's capacity to prevent and combat forest fires through the integration of local actors and promoting the adoption of sustainable production practices in the targeted municipalities.

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

No

Components

Name

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Satisfactory

Implementation Status and Key Decisions

Launched in September 2010 and updated in 2014, the Action Plan to Prevent and Control Deforestation in the Cerrado Biome (PPCerrado) aims to promote sustained reduction in the rate of deforestation and forest degradation, as well as in the incidence of fires and forest fires in this biome. The



PPCerrado is one of the main pillars of the Brazilian Federal Government's ongoing strategy to reduce greenhouse gas (GHG) emissions from deforestation and forest degradation. As part of the National Policy on Climate Change, the Cerrado centralizes the strategies to fulfill the 40 percent deforestation reduction target in the biome.

In addition to this plan, the Forest Code (Law 12.651, May 2011) is considered the most important land-use regulation in the country, given its national scope and the constraints it imposes on private landholdings for the purpose of protecting public goods such as forests and other vegetation. The code requires landholders to conserve the most fragile areas of their landholding such as riparian forests, steep slopes, mountain tops, etc. (Areas of Permanent Preservation – APP), with an additional obligation to ensure that part of the original native vegetation is maintained (Legal Reserves –RL).

In this context, launched in 2012, the Brazil Cerrado Climate Change Mitigation Trust Fund (BCCMTF) has been supporting activities and projects under a two-pronged approach: (i) promotion of farmers' compliance with the Brazilian Forest Code, based on strengthening the monitoring and enforcement of mandatory environmental reserve requirements through environmental registration of rural properties; and (ii) promotion of controlled burning, prevention of forest fires, replacement of burning with more sustainable agricultural practices, and strengthened firefighting capacity. The total amount of the BCCMTF is £10,000,000 (Ten million British Pound Sterling).

During the Program's Annual Meeting, held in March 2014 with the Donor, the Bank, and MMA, it was agreed to extend the Administration Agreement between the World Bank and the Department for Environment, Food and Rural Affairs of United Kingdom (DEFRA) completion date from December 31, 2016 to June 30, 2018. In July 2014, the Administration Agreement between World Bank and DEFRA was extended accordingly.

To date, the BCCMTF comprises the following Projects, all under implementation:

1. **Rural Environmental Cadastre and Fire Prevention in Bahia Project, implemented by the Bahia State Secretariat of Environment (SEMA-BA).** The project's main activities are to: (i) assist rural landholders to bring their lands into compliance with the Forest Code by implementing the CAR (in the State of Bahia, the system is called CEFIR [*Catastro Estadual Florestal de Imóveis Rurais*/State Forestry Cadastre of Rural Properties], developed by the State as a broader system than the CAR and covering other environmental aspects); (ii) promote sustainable productive activities; and (iii) strengthen municipal governments' capacity to prevent and control forest fires. The Grant Agreement was signed on September 12, 2014 with the closing date of June 30, 2016.
2. **Rural Environmental Cadastre and Fire Prevention in Piauí Project, implemented by the Secretariat of Environment and Water Resources in Piauí.** The project's main activities are to (i) assist rural landholders to bring their lands into compliance with the Forest Code by implementing the CAR; (ii) promote sustainable productive activities; and (iii) strengthen municipal governments' capacities to prevent and control forest fires.
3. **Platform of Monitoring and Warning of Forest Fires in the Brazilian Cerrado Project, coordinated by National Institute of Spatial Research (*Instituto Nacional de Pesquisas Espaciais, INPE*).** The project's objective is to develop a system to monitor and analyze forest fires and produce fire alerts in priority States of the Cerrado Biome as a pilot system. The Project includes a reconfiguration of the structure of INPE's Burning System, both internally in INPE as well as in users' Internet access, by adapting the system to the state of the art in remote sensing, geoprocessing, information technology, and decision intelligence. Project preparation is ongoing. This project will complement the implementation of an Early-Warning System Preventing Forest Fires and a System for Monitoring the Vegetation Cover Project, under the Brazil Investment Plan (BIP), funded by the Forest Investment Program (FIP).
4. **ProCerrado Federal Project,** to be coordinated by the Department of Policies to Combat Deforestation of the Ministry of Environment, in partnership with its operational agencies. The project's main activity will be to build capacity in federal agencies to coordinate and execute actions to reduce deforestation and fires in the Brazilian Cerrado. The project will support the PPCerrado's coordination unit, the development of state strategies to recover degraded areas, and the development of the National Policy for Fire Management, Burning Control, and Combating and Preventing Forest Fires. It will also strengthen ICMBio's capacity to prevent and combat forest fires in critical protected areas within the Cerrado Biome. Project preparation is ongoing.
5. **Non-Lending Technical Assistance - DEFRA Cerrado Climate Change Mitigation Program,** a Bank-Executed Technical Assistance Project, to provide the analytical work, technical assistance and training necessary for the Ministry of Environment and its partners to achieve the goal of mitigating Climate Change in, and improving environmental and natural resource management of the Cerrado biome as defined in the main TF Program (TF071814).

To be consistent with the Administration Agreement and to guarantee at least 3-years of implementation period to all Projects under the Program, the Government team is proposing to extend the **Rural Environmental Cadastre and Fire Prevention in Bahia Project's** Closing Date by 18 months, from June 30, 2016 to December 31, 2017

This extension is being requested by the Grant Recipient and has been endorsed by the MMA.

Currently the Project has reached a satisfactory implementation pace, with the necessary staff under SEMA working in the Project. Most of these staff have been trained by the Bank and have been executing Project activities successfully. The Project has disbursed US\$ 0.58 million (13% of the grant amount). Circa of US\$ 1.5 million of the remaining funds are being committed and are expected to be disbursed this fiscal year.

M&E is being conducted in accordance with: (i) the BCCMTF monitoring and evaluation plan to be prepared; and (ii) established BCCMTF rules and procedures. SEMA has primary responsibility for tracking technical progress related to Project outputs and outcomes. Project progress reports will be prepared and submitted to the Bank and MMA twice a year.



The Bank team, accompanied by the Ministry of Environment's team, undertook a supervision mission on May 2015. During the mission the State of Bahia Secretary of Environment highlighted the Project's importance and its priority to start implementing the CEFIR. The new team in SEMA and the team in INEMA and FLEM are committed and well organized to accelerate Project implementation.





Results

Project Development Objective Indicators

► Land users adopting sustainable land mgt. practices as a result of the project (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3376.00
Date	12-Sep-2014	30-Oct-2014	14-Aug-2015	30-Jun-2016

Comments

This indicator will measure the number of small landholdings, up to four fiscal modules in targeted municipalities, enrolled in the CEFIR. So far, no small landholding has been enrolled in the CEFIR as a result of the project.

► Land area where sustainable land mgt. practices were adopted as a result of proj (Hectare(Ha), Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	0.00	0.00	0.00	83902.00
Date	12-Sep-2014	30-Oct-2014	14-Aug-2015	30-Jun-2016

Comments

This indicator measures the land area that, as a result of the Bank project, incorporated the State Forest Cadastre of Rural Properties (CEFIR) as a land management practice. This indicator can track progress toward CEFIR registration in landholdings. The Legal Reserves (RLs) and Areas of Permanent Preservation (APPs) will be measured as disaggregated data from the landholding areas inputted in the system.

► Reduction of forest fired area observed in each targeted municipalities as a result of the Project. (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	12-Sep-2014	30-Oct-2014	14-Aug-2015	30-Jun-2016

► Number of actions to combat forest fires in the targeted municipalities as a result of the Project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	150.00
Date	12-Sep-2014	30-Oct-2014	14-Aug-2015	30-Jun-2016

Overall Comments

Intermediate Results Indicators

► State Environment Agency (OEMA) of BA provided w/ capacity to promote the registration of rural properties in CAR/CEFIR in the targeted municipalities of the Proj in coordination w/ federal and munici (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	0.00	0.00	70.00
Date	12-Sep-2014	30-Oct-2014	14-Aug-2015	30-Jun-2016

Comments

Bahia has its own electronic registration system called *Cadastro Estadual Florestal de Imóveis Rurais* – CEFIR (State Forest Cadastre of



Rural Properties) which was established by the State Law 10.431/2006, as part of the *Sistema Estadual de Informações Ambientais – SEIA* (State Environmental Information System). The first paragraph of article 14 of Law 10.431/2006, defines CEFIR as "the instrument for monitoring Areas of Permanent Preservation, Legal Reserve, the Easement Environmental and forestry production, necessary to effectively control and supervise all forestry activities in the State, as well as provide information to enable the creation of ecological corridors." In the State of Bahia, CEFIR exercises the functions and objectives of the Rural Environmental Registry (CAR) and is now fully integrated into the national system.

Cerrado program communication materials (folder, banner) were produced and will be disseminated in project's event and trainings.

► Small landholdings registered into the CAR system as a result of the Project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3376.00
Date	12-Sep-2014	30-Oct-2014	27-Aug-2015	30-Jun-2016

Comments

The procurement process for hiring the rural environmental cadaster services in the municipalities of Luis Eduardo Magalhães, São Desidério, Formosa do Rio Preto and Riachão das Neves was concluded in August 27, 2015. The field activities will be started soon.

► People in the State and Municipal environmental agencies trained to prepare and assist with the PRAD (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	12-Sep-2014	30-Oct-2014	14-Aug-2015	30-Jun-2016

Comments

design and implement a communication strategy and campaign to involve local and interdisciplinary team for joining CEFIR and on the activities



▶ People trained on techniques to prevent and fight forest fires (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	98.00	120.00
Date	12-Sep-2014	30-Jun-2016	14-Aug-2015	30-Jun-2016

Comments

To date 98 people were trained as volunteer firefighters to prevent and combat forest fires in the Project's municipalities. as result of the project. In addition, one course was held focus on investigation of the causes and origins of forest fires.

▶ People trained in alternatives to the use of fire under the Project. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	160.00
Date	12-Sep-2014	30-Oct-2014	07-May-2015	30-Jun-2016

▶ Targeted municipalities equipped to combat forest fires. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	12-Sep-2014	30-Oct-2014	07-May-2015	30-Jun-2016

Overall Comments

Equipment and materials to support preventive and repressive inspection efforts were acquired, including backpacks and protection materials. A total of 120 individuals kits were supported.

Data on Financial Performance**Disbursements (by loan)**

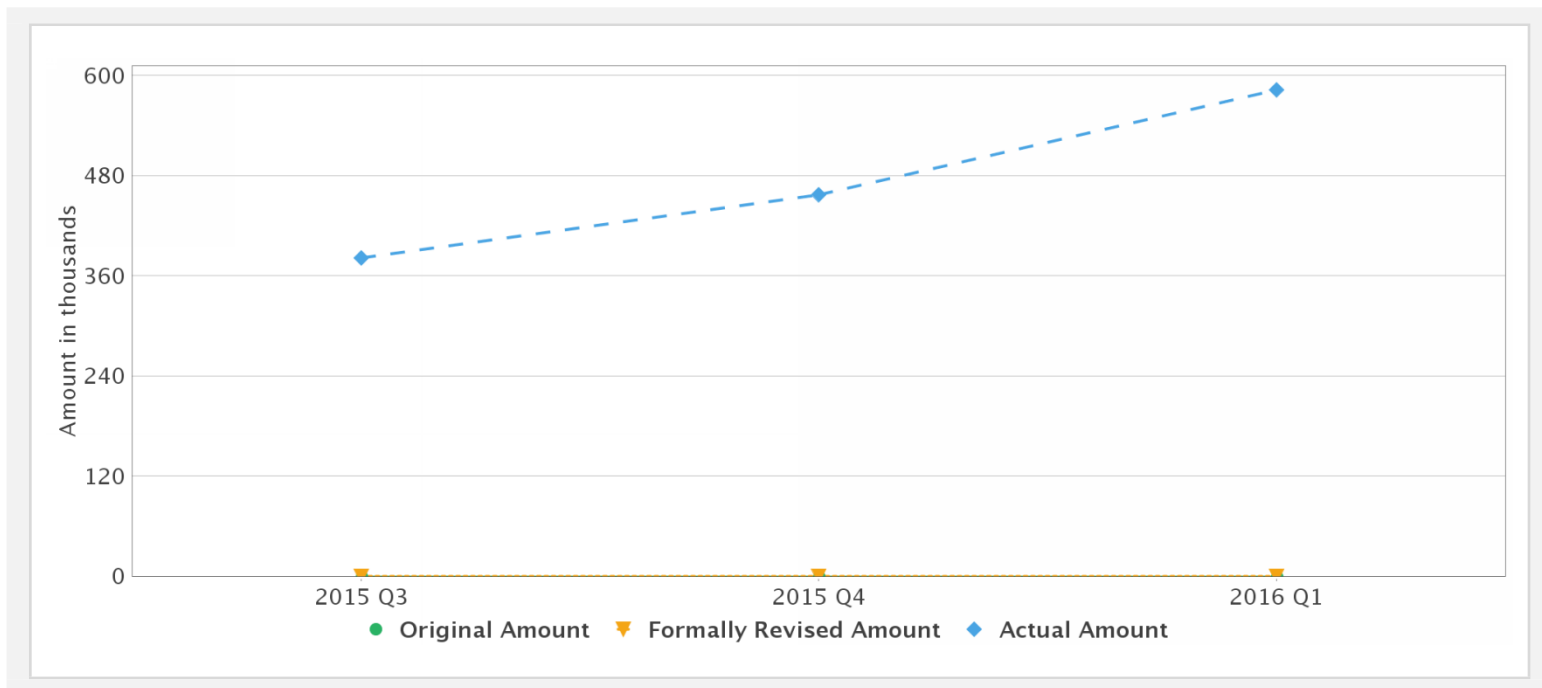
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P143376	TF-15228	Effective	USD	4.40	4.40	0.00	0.58	3.82	13%



Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P143376	TF-15228	Effective	12-Sep-2014	17-Sep-2014	17-Sep-2014	30-Jun-2016	30-Jun-2016

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.