



## Sustainable Cerrado Initiative (P091827)

LATIN AMERICA AND CARIBBEAN | Brazil | Environment Global Practice |  
Global Environment Project | Specific Investment Loan | FY 2010 | Seq No: 10 | ARCHIVED on 25-Jun-2015 | ISR19173 |

Implementing Agencies:

## Key Dates

### Key Project Dates

Board Approval date:18-Mar-2010

Effectiveness Date:10-Sep-2010

Planned Mid Term Review Date:30-Jan-2012

Actual Mid-Term Review Date:27-Aug-2012

Original Closing Date:01-Dec-2013

Revised Closing Date:30-Jun-2015

## Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The Initiatives development object is to promote the increase of biodiversity conservation and improve environmental and natural resource management of the Cerrado Biome, through support for appropriate policies and practices.

Has the Global Environmental Objective been changed since Board Approval of the Project Objective?

No

## Components

Name

Conservation of the Cerrado Biodiversity:(Cost \$5.69 M)

Sustainable Use of the Cerrado Natural Resources:(Cost \$2.37 M)

Institutional Strengthening and Formulation of New Public Policies:(Cost \$3.85 M)

Coordination and monitoring of Biome:(Cost \$1.09 M)

## Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of GEO	● Moderately Unsatisfactory	● Moderately Unsatisfactory
Overall Implementation Progress (IP)	● Moderately Unsatisfactory	● Moderately Unsatisfactory
Overall Risk Rating	--	● Substantial



## Implementation Status and Key Decisions

This ISR covers the four projects under the Sustainable Cerrado Initiative - SCI - P091827/ P121671: MMA Policy and Biome Monitoring project; Tocantins: Sustainable Cerrado project; Goias: Sustainable Cerrado project; and ICMBio: Biodiversity Protection project. The Sustainable Cerrado Initiative has an overall Results Framework, each of the four projects contributes significantly to the targets, and the entire set of projects are designed to achieve the overall goals of the Initiative.

The Tocantins: Sustainable Cerrado project; Goias: Sustainable Cerrado project; and ICMBio: Biodiversity closed on December 31, 2014; and MMA Policy and Monitoring project will close on June 30, 2015.

During 2014, three Sustainable Cerrado Initiative supervision missions were held: March 26, June 9 and November 26, including all projects. The final Sustainable Cerrado Initiative implementation supervision mission was held on June 19, 2015.







## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Global Environmental Objective Indicators

- ▶  Biodiversity conservation increased in four priority regions of the Cerrado biome.(Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	4.00
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jun-2015

#### Comments

The results are being monitored by the GEF tracking tools SP#1.



The Sustainable *Cerrado* Initiative was to draw upon the results of the PROBIO project to identify priority areas in Cerrado Biome with focus on the creation and consolidation of protected areas, strengthening of mosaics of legally protected areas (PAs) of unique biodiversity and the development and implementation of activities for the protection and recovery of threatened species. As mentioned in the Sustainable Cerrado Initiative's PAD, priority regions mean a polygon (or cluster of polygons) identified by PROBIO as having high conservation value. For further information see: <http://www.mma.gov.br/biodiversidade/biodiversidade-brasileira/%C3%A1reas-priorit%C3%A1rias/item/489> Strengthening of protection of existing protected areas was supported by the ICMBio, Goiás, and Tocantins States, totalizing 25 protected areas supported, totalizing circa of 4.3million hectares. Studies for the creation of 2,139,489ha of new protected areas within the priority regions of the Cerrado Biome are under execution by MMA and ICMBio.

► Action Plan of the National Sustainable Cerrado Program and at least two public policies are adopted and contributing to biodiversity conservation in over 20% of the Cerrado biome.(Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	zero policies supported by the project	PP Cerrado under implementation and 2 Cerrado Coservation initiative/programs under implementation.	Action Plan for the Prevention and Control of Deforestation and Fire in the Cerrado (PPCerrado) was revised and updated for the period 2014-2015. Economic-ecological zoning in the Cerrado is under preparation. Tocantins is developing new policies on: water resources, fauna, and environmental regularization of rural properties, including specific systems ready to be used.	Action Plan of the National Sustainable Cerrado Program and at 3 public policies are adopted and contributing to biodiversity conservation in the Cerrado biome.
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jun-2015

#### Comments

The Sustainable Cerrado Initiative (SCI) was designed and implemented to enable the development of a strategic approach to promote synergies not only among its projects, but also with ongoing Cerrado government plans and policies already under implementation at federal and state levels.

The process of developing public policy is an activity that generally involves research, analysis, consultation and synthesis of information to produce recommendations. Public policies are governmental decisions, and are actually the result of activities which the government undertakes in pursuance of certain goals and objectives. Nevertheless, public policies, in most cases, are the result of a set of programs and projects, and an integrated multi-institutional agenda.

In this context, the following public policies are being implemented under Environment Ministry coordination and were supported by the Sustainable Cerrado initiative:

1. Action Plan to Prevent and Control Deforestation in the Cerrado Biome: Launched in September 2010 and updated in 2014, the aim of the Action Plan to Prevent and Control Deforestation in the Cerrado Biome (*Plano de Ação para Prevenção e Controle do Desmatamento e das Queimadas no Cerrado*, PPCerrado; Decree 5.577/2005) is to promote sustained reductions in the rates of deforestation and forest degradation, as well as in the incidence of burnings and forest fires in this biome. PPCerrado is one of



the National Policy on Climate Change's instrument.

2. Ordinance 97/2012, lists 52 municipalities in the Cerrado Biome that are deemed priorities, looking to control illegal deforestation (MMA Regulation, March, 2012). under the PPCerrado.
3. Decree 7.378, December 2010, created a commission to coordinate ecological and economic zoning activities in the Brazilian territory.
4. At state government level, Tocantins State is been implementing new policies on: water resources, fauna, and environmental regularization of rural properties, including specific systems to be used.

Currently, the following programs or projects are under MMA's Cerrado Biome approach:

**The Forest Investment Program: Brazil Investment Plan (BIP)**, approved by the FIP Subcommittee in May 2012, seeks to promote sustainable land use and forest management improvement in the Cerrado Biome in order to reduce pressure on remaining forests, reduce GHG emissions and increase carbon dioxide (CO<sub>2</sub>) sequestration. The BIP's specific objectives are to: (i) improve environmental management in previously converted areas in the Cerrado Biome, and (ii) produce and disseminating environmental information at the biome scale. Therefore, it will be essential to take these actions forward in a joint effort in order to avoid the conversion processes that could occur if command and control actions are not accompanied by incentives to promote sustainable productive activities. The BIP has two thematic areas and four projects, to be implemented as a coordinated set for the mobilization of various donors to support Cerrado conservation.

**The Brazil Cerrado Climate Change Mitigation Trust Fund (BCCMTF)** (ProCerrado Program), launched in January 2012, is a single-donor trust fund with Bank- and recipient-executed components from the Department for Environment, Food and Rural Affairs of United Kingdom (DEFRA). The objective of the program is to assist Brazil in mitigating climate change in the Cerrado Biome and in improving environmental and natural resource management in this biome through appropriate policies and practices. The following projects are being implemented under Environment Ministry coordination:

**Rural Environmental Cadastre and Fire Prevention in Piauí Project, under implementation by the Secretariat of Environment and Water Resources of Piauí.** The Project's main activities are to: (i) assist rural landholders in adequate their land to the Forest Code and in implementing the CAR; (ii) promote sustainable productive activities; and (iii) strengthen municipal governments' capacity to prevent and control forest fires. The Project is currently under implementation.

**Rural Environmental Cadastre and Fire Prevention in Bahia Project, to be implemented by the Secretariat of Environment of Bahia (SEMA-BA).** The Project's main activities are to: (i) assist rural landholders in adequate their land to the Forest Code and in implementing the CAR. In the State of Bahia, the system is called CEFIR and was developed by the State; it is a broader system than the CAR and covers other environmental aspects; (ii) promote sustainable productive activities; and (iii) strengthen municipal governments' capacity to prevent and control forest fires. The Project is currently under implementation.

**Platform of Monitoring and Warning of Forest Fires in the Brazilian Cerrado, a Project to be coordinated by National Institute of Spatial Research (Instituto Nacional de Pesquisas Espaciais, INPE).** The project's objective is to develop a system to monitor, analyze and produce wildfire and burning warnings, to be implemented in the priority municipalities of the Cerrado Biome as a pilot system. The Project foresees the reconfiguration of the structure of INPE's Burning System, both internally in INPE as well as in users' Internet access, adapting the burning system to state-of-the-art remote sensing, geoprocessing, information technology, and decision intelligence. The Project is currently under implementation. This project will act complementarily with the Implementation of an Early-Warning System for Preventing Forest Fires and a System for Monitoring the Vegetation Cover Project, under the BIP.

**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. The expected effectiveness date is July 2015.

**Cerrado Jalapão Project.** Through the German Development Bank (KfW), Germany's financial cooperation seeks to support the implementation of the CAR in the municipalities of the Cerrado located in two states of the Legal Amazon: Maranhão and Mato Grosso. This cooperation does not include the strengthening of environmental agencies for the CAR, but rather the landholdings' registration in the CAR in selected municipalities.

## Overall Comments

## Intermediate Results Indicators



► An additional 2.0 million ha of the Cerrado biome protected through the creation/ expansion of PAs (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2900000.00	3242225.00	3288765.53	4900000.00
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jun-2015

#### Comments

On July 18, 2000, through Law 9985, the Brazilian Government created the National System of Protected Areas (*Sistema Nacional de Unidades de Conservação* - SNUC), in order to establish a robust mechanism to ensure the creation, management and consolidation of protected areas (PAs) in Brazil.

The processes to create Federal on State new protected area have several steps, including studies, land tenure assessment and public consultations. As mentioned in the previous ISR, but is was recorded an unfavorable political climate in the federal and state governments for creation of new protected areas, particularly those with strict protection.

The table below shows so far achievements by each project and by the Sustainable Cerrado initiative, namely: MMA Policy and Biome Monitoring project; Tocantins: Sustainable Cerrado project; Goiás: Sustainable Cerrado project; and ICMBio: Biodiversity Protection project. This data would be updated by the projects, during recipients' completion reports preparation.

Projects / Initiative	Target	Outputs and results so far	Achievement %
MMA ICMBio	1.00 million  680,00ha of full protection PA	IUCN category II protected areas, was created /expanded: (i) National Park Serra do Gandarela, Dec. 0/14/2014 /MG, created with 31,200 ha, and (ii) National Park Serra da Confusões, Dec 0/12/2010/PI, expanded to include 321.025ha. Totalizing 342,025ha. Studies for the creation of 2,102,996ha of new protected areas are executed by MMA and ICMBio, meaning 125% of MMA and ICMBio projects' total target of full protection PA.	20.35% of the MMA and ICMBio projects' total target of full protection PA
ICMBio	50,000ha of sustainable PA	Sustainable Development Reserve Nascentes Geraizeiras created with 38,100 ha; and 27 Private Reserves of Natural Heritage, under Decree 6/5/996, created in the Cerrado Biome (8,550.53ha). Totalizing 46,650.53ha.	93% of the individual ICMBio project target.
Goiás	80,000	Studies prepared and submitted for approval for the creation of State Park São Bartolomeu (54,372.42ha); State Park Serra da Prata (45,936.86ha); State Par São Felix (29,351.80ha). Totalizing 129,661.08ha proposed as protect areas, 162% of the project target.	0% was created
Tocantins	250,000	Studies prepared and submitted for approval for the creation of Natural Monument of Serra da Cangalha (16,700ha); State Park Águas do Paranã (111,000ha) and Vale do Rio Pameiras (21,000ha). Totalizing 148,700h proposed as protect areas, 59.5% of the project target.	0% was created
Cerrado Initiative	2.0 million ha	A total of 342,025ha created/expanded of full protection protect areas and 46,650.53ha of sustainable development protect areas. Totalizing 388,675.53ha.	19.43% of the total Sustainable Cerrado Initiative target

All proposed new protected areas are within Cerrado priority regions identified according Updated Map of Priority Areas for the Conservation, Sustainable Use, and Sharing of Benefits from the Brazilian Biodiversity, MMA 2007, supported by PROBIO project . Although, as a result of the Sustainable Cerrado Initiative circa of 2.8 million hectare were proposed as new protected areas, so far only 19.43% of the total target was achieved.





- 30% of the Cerrado PAs targeted by the Sustainable Cerrado Initiative with their basic protection measures in place, covering about 4.0 million ha. (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4333421.21	30.00	30.00	30.00
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jun-2015

#### Comments

Strengthening of protection of existing protected areas is underway in ICMBio, Goiás, and Tocantins (25 conservation units). Measures to ensure the integrity of the existing PAs and consolidation processes included: acquisition of forest fire fighting equipment, including special vehicles; supporting PA's management councils; acquisition of a minimum of infrastructure and equipment; preparation of management plans, and training of qualified staff. The supported protecting measures covered more than 4.0 million hectares. The results are being monitored by the GEF tracking tools SP#1. The final report of the SP#1 tracking toll is being prepared by the implementing agencies.

- 12 initiatives of traditional know-how and current best practices for the sustainable management of the Cerrado's natural resources with high replicability potential in PA buffer zones and sustainable (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	19.00	12.00
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jun-2015

#### Comments

The table below shows so far achievements by each project and by the Sustainable Cerrado initiative. This data would be revised by the projects, during recipients' completion reports preparation.

Projects / Initiative	Target	Outputs and results so far	Achievement %
MMA	4 initiatives of traditional know-how and current best practices for the sustainable management of the <i>Cerrado's</i> natural resources documented and disseminated, totaling 600ha covered by sustainable management practices in project target areas; and 200 producers trained in the application of best practices.	3 Centers to Recover Degraded Areas (CRADs) created by MMA, where sustainable practices are benefiting 200 farmers/producers. 1 Center to Recovered Degraded Areas (CRAD-UnB) supported, covering 6 municipalities: Unaí- MG, Arinos (MG), Paracatu (MG), Barreiras-BA, Correntina-BA, e Bom Jesus da Lapa (BA). 720 producers trained through CRADs, and circa of 800ha adopting sustainable management practices. Dissemination materials and events supported: (i) <i>Conservação da Natureza e Recuperação de Áreas Degradadas na Bacia do São Francisco</i> , training and environmental education; (ii) <i>Bases para a Recuperação de Áreas Degradadas na Bacia do São Francisco e Conservação de Áreas de Preservação Permanente do Cerrado</i> – guidelines; (iii) <i>Educação Ambiental e Manejo</i> ; (iv) <i>Agricultores que cultivam árvores no Cerrado</i> ; (v) <i>Semeando o Cerrado</i> ; (vi) <i>Frutos e Sementes do Cerrado Atrativos para a Fauna</i> .	100%
ICMBio	5 initiatives of traditional	5 initiatives supported: (i) promotion of the extraction and use of	100%



	know-how and current best practices for the sustainable management of the <i>Cerrado's</i> natural resources with high replicability potential in PA buffer zones and sustainable management PA documented and disseminated, and 100 producers trained in the application of best practices.	Babassu oil or cusi oil ( <i>Attalea speciosa</i> ); (ii) commercialization of native fruits products; (iii) promotion of use of <i>Bacuri</i> fruit; (iv) commercialization of native nuts; (v) production of piassava brooms. Cerrado events attended by circa of 700 local communities' representatives.	
Goiás	not applicable		
Tocantins	5 initiatives of traditional know-how and current best practices for the sustainable management of the <i>Cerrado's</i> natural resources documented and disseminated.	10 initiatives documented and disseminated: (i) promotion of the use of <i>capim dourado</i> ; (ii) Associação das mulheres apicultoras do PA Entre Rios; (iii) Associações dos produtores rurais em Mateiros; (iv) Comunidade Boa Esperança – Mateiros/São Félix; (v) Associação dos produtores rurais em São Felix; (vi) Associação dos produtores rurais de Novo Acordo; (vii) Associação das mulheres em Taquaruçu (P.A Sítio); (viii) Associação das mulheres da Barraria, Filadélfia; (ix) Associação das mulheres agroextrativistas da APA ilha do Bananal/Cantão; (x) Associação dos apicultores e produtores de polpas do município de Marianópolis. 129 producers trained in the application of best practices for the sustainable management of the <i>Cerrado's</i> natural resources.	200%
Cerrado Initiative	12 initiatives of traditional know-how and current best practices for the sustainable management of the <i>Cerrado's</i> natural resources with high replicability potential in PA buffer zones and sustainable management PA documented and disseminated, and 400 producers trained in the application of best practices.	19 initiatives were supported, documented or disseminated.  Circa of 1500 were trained in the application of best practices for the sustainable management of the <i>Cerrado's</i> natural resources	158% of the target initiatives and circa of 207% of the target producers trained.

► An additional 10% of rural properties in the project-supported areas regularly using some form of natural resource, land or agricultural management or biodiversity conservation practice, covering at I (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	--	06-Feb-2013	30-Apr-2015	30-Jun-2015

#### Comments

This indicator was designed focus on applying biodiversity protection and/or sustainable management through implementation of the RL Market in the Goiás State, to ensure maintenance of RL and APP for the creation of biodiversity corridors.



The Goiás project financed technical studies to determine market mechanisms to ensure the maintenance of Legal Reserves (RL) and Permanent Preservation Areas (APPs). In 2012, the new Forest Code (Law 12.651) introduced the rural environmental cadaster as an additional tool to register RL and APPs and to monitor and control illegal deforestation. Registration of landholdings in the CAR is a first step towards bringing landholdings into compliance with Brazil's Forest Code and to allow RL marketing. Efforts to make producers comply with the provisions of the national Forest Code, thereby conserving the legal reserve and permanent preservation areas, has had good advances in Goiás. Nevertheless, absence of an initial baseline and intermediary output did not allow for proper M&E for this result.

- 15 initiatives for adding value and for improving the commercialization of native products originating from rural, sustainably managed production developed, totaling 97,600 ha under specific sustainab (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8.00	15.00	15.00
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Apr-2015

#### Comments

Although the target number of initiatives was 100% achieved.

The table below shows so far achievements by each project and by the Sustainable Cerrado initiative. This data would be revised by the projects, during recipients' completion reports preparation.

Projects / Initiative	Target	Outputs and results so far	Achievement %
ICMBio	5 initiatives for adding value and for improving the commercialization of native products originating from rural, sustainably managed production developed, totaling 49,000 ha covered by sustainable management practices in project target areas.	5 initiatives were supported: (i) Reserva Extrativista Mata Grande – equipment and implementation of a babassu productive unit; (ii) Reserva Extrativista Extremo Norte do Tocantins – equipment and implementation of a babaçu productive unit and equipment for handcrat; (iii) Reserva Chapada Limpa – implementation of abacuri nut productive unit; (iv) Reserva Extrativista Recanto da Terra Ronca – equipment for the piassava brooms production; and (v) Resex Lago do Cedro- fish and fruits production.	100% of initiatives, total covered area was not measured.
Tocantins	8 initiatives for adding value and for improving the commercialization of native products originating from rural, sustainably managed production developed, totaling 49,000 ha covered by sustainable management practices in project target areas.	10 initiatives were supported; (i) Capim Dourado e Mumbuca Association have been supported with equipment and training; (ii) Associação das mulheres apicultoras do PA Entre Rios; (iii) Associações dos produtores rurais em Mateiros; (iv) Comunidade Boa Esperança – Mateiros/São Félix; (v) Associação dos produtores rurais em São Felix; (vi) Associação dos produtores rurais de Novo Acordo; (vii) Associação das mulheres em Taquaruçu (P.A Sitio); (viii) Associação das mulheres da Barraria, Filadélfia; (ix) Associação das mulheres agroextrativistas da APA ilha do Bananal/Cantão; (x) Associação dos apicultores e produtores de polpas do município de Marianópolis. A regional plan for the community-based sustainable use of golden grass was developed, including the definition of the spatial distribution of the species' populations.	125% of initiatives, total covered area was not measured.
Cerrado	15 initiatives for adding value	15 initiatives for adding value or improving the commercialization	10% of



Initiative	and for improving the commercialization of native products originating from rural, sustainably managed production developed, totaling 97,600 ha under specific sustainable management practices.	supported	initiatives, total covered area was not measured.
------------	--	-----------	---

- Formulation of the Action Plan of the National Sustainable Cerrado Program publicly launched and under implementation. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	no plan	PPCerrado under implementation	PPCerrado under implementation	Plan under implementation
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jan-2015

#### Comments

Launched in September 2010 and updated in 2014, the aim of the Action Plan to Prevent and Control Deforestation in the Cerrado Biome (*Plano de Ação para Prevenção e Controle do Desmatamento e das Queimadas no Cerrado*, PPCerrado; Decree 5.577/2005) is to promote sustained reductions in the rates of deforestation and forest degradation, as well as in the incidence of burnings and forest fires in this biome. PPCerrado is one of the National Policy on Climate Change's instruments, is to promote sustained reductions in the rate of deforestation and forest degradation, as well as in the incidence of forest fires in this biome. This, this indicator has been fully achieved.

- Four new public policies related to the conservation and sustainable use of the Cerrado's natural resources developed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5.00	9.00	4.00
Date	18-Mar-2010	06-Feb-2013	30-Apr-2015	30-Jun-2015

#### Comments

As mentioned before, public policies are governmental decisions, and are actually the result of activities, which the government undertakes in pursuance of certain goals and objectives. Nevertheless, public policies, in most cases, are the result of a set of programs and projects, and an integrated multi-institutional agenda.

In this context, the following public policies are being implemented under Environment Ministry coordination and were supported by the Sustainable Cerrado initiative

1. **The National Sustainable Cerrado Program Commission** (CONACER) composed of representatives from: (i) MMA; (ii) the Chico Mendes Institute for Biodiversity Conservation (*Instituto Chico Mendes de Conservação da Biodiversidade*, ICMBio); (iii) the Ministry of Agrarian Development (*Ministério do Desenvolvimento Agrário*, MDA); (iv) the Brazilian Agricultural Research Corporation (*Empresa Brasileira de Pesquisa Agropecuária*, EMBRAPA); (v) the Brazilian Society for the Progress of Science (*Sociedade Brasileira para o Progresso da Ciência*, SBPC); (vi) the Brazilian Association of State Environmental Entities (*Associação Brasileira de Entidades Estaduais de Meio Ambiente*, ABEMA); (vii) civil society organizations (including representatives of NGO networks of indigenous and local communities); and (viii) the rural productive sector, established in 2006, was supported through the Sustainable Cerrado Initiative.



2. **Ordinance 97/2012**, lists 52 municipalities in the Cerrado Biome that are deemed priorities, looking to control illegal deforestation (MMA Regulation, March, 2012). under the PPCerrado.

3. **Decree 7.378**, December 2010, created a commission to coordinate ecological and economic zoning activities in the Brazilian territory.

4. At state government level, Tocantins State is been implementing new policies on: (i) water resources, (ii) fauna, and (iii) environmental regularization of rural properties, including specific systems to be used.

In addition, the following public programs or projects are under MMA's Cerrado Biome approach:

**The Forest Investment Program: Brazil Investment Plan (BIP)**, approved by the FIP Subcommittee in May 2012, seeks to promote sustainable land use and forest management improvement in the Cerrado Biome in order to reduce pressure on remaining forests, reduce GHG emissions and increase carbon dioxide (CO<sub>2</sub>) sequestration. The BIP's specific objectives are to: (i) improve environmental management in previously converted areas in the Cerrado Biome, and (ii) produce and disseminating environmental information at the biome scale. Therefore, it will be essential to take these actions forward in a joint effort in order to avoid the conversion processes that could occur if command and control actions are not accompanied by incentives to promote sustainable productive activities. The BIP has two thematic areas and four projects, to be implemented as a coordinated set for the mobilization of various donors to support Cerrado conservation.

**The Brazil Cerrado Climate Change Mitigation Trust Fund (BCCMTF) (ProCerrado Program)**, launched in January 2012, is a single-donor trust fund with Bank- and recipient-executed components from the Department for Environment, Food and Rural Affairs of United Kingdom (DEFRA). The objective of the program is to assist Brazil in mitigating climate change in the Cerrado Biome and in improving environmental and natural resource management in this biome through appropriate policies and practices. The following projects are being implemented under Environment Ministry coordination:

**Rural Environmental Cadastre and Fire Prevention in Piauí Project**, under implementation by the Secretariat of Environment and Water Resources of Piauí. The Project's main activities are to: (i) assist rural landholders in adequate their land to the Forest Code and in implementing the CAR; (ii) promote sustainable productive activities; and (iii) strengthen municipal governments' capacity to prevent and control forest fires. The Project is currently under implementation.

**Rural Environmental Cadastre and Fire Prevention in Bahia Project**, to be implemented by the Secretariat of Environment of Bahia (SEMA-BA). The Project's main activities are to: (i) assist rural landholders in adequate their land to the Forest Code and in implementing the CAR. In the State of Bahia, the system is called CEFIR and was developed by the State; it is a broader system than the CAR and covers other environmental aspects; (ii) promote sustainable productive activities; and (iii) strengthen municipal governments' capacity to prevent and control forest fires. The Project is currently under implementation.

**Platform of Monitoring and Warning of Forest Fires in the Brazilian Cerrado**, a Project to be coordinated by National Institute of Spatial Research (*Instituto Nacional de Pesquisas Espaciais*, INPE). The project's objective is to develop a system to monitor, analyze and produce wildfire and burning warnings, to be implemented in the priority municipalities of the Cerrado Biome as a pilot system. The Project foresees the reconfiguration of the structure of INPE's Burning System, both internally in INPE as well as in users' Internet access, adapting the burning system to state-of-the-art remote sensing, geoprocessing, information technology, and decision intelligence. The Project is currently under implementation. This project will act complementarily with the Implementation of an Early-Warning System for Preventing Forest Fires and a System for Monitoring the Vegetation Cover Project, under the BIP.

**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. The expected effectiveness date is July 2015.

**Cerrado Jalapão Project**. Through the German Development Bank (KfW), Germany's financial cooperation seeks to support the implementation of the CAR in the municipalities of the Cerrado located in two states of the Legal Amazon: Maranhão and Mato Grosso. This cooperation does not include the strengthening of environmental agencies for the CAR, but rather the landholdings' registration in the CAR in selected municipalities.

A total of 9 regulatory measures, courses of action, and funding priorities concerning Cerrado Biome conversation was supported by the Sustainable Cerrado Initiative, meaning 225% of the proposed target.



- Geo-referenced systems for environmental monitoring, licensing of rural properties, and enforcement developed at federal and state levels and under implementation in at least one State. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	2.00
Date	18-Mar-2010	06-Feb-2013	30-Apr-2015	30-Jun-2015

#### Comments

The Brazilian Forest Code (Law 12.651 of 2012) requires that: (i) all private rural landholdings maintain a percentage of native vegetation as Legal Reserves (*Reservas Legais*, RLs); and (ii) Areas of Permanent Preservation (*Áreas de Preservação Permanente*, APPs), such as riparian forests along watercourses, steep slopes, mountain tops, etc., also be maintained by landholders. The Forest Code also obliges landholders to register their landholdings in the Rural Environmental Cadastre (*Cadastro Ambiental Rural*, CAR). The CAR is an electronic geo-referenced register of rural landholdings maintained by an official environmental entity whose aim is to effectively monitor, supervise, control, plan and ensure the environmental compliance of landholdings. This register contains details of the total area of individual farms, the areas earmarked for alternative land use, APPs and RLs. The CAR will provide essential information for monitoring and controlling private rural land use, including compliance with reforestation obligations. The system will be able to distinguish between legal and illegal land clearing, and will facilitate land use planning.

The CAR is being managed by MMA as an additional tool to monitor and control illegal deforestation.

The CAR enhances the environmental regularization process by: using land base information and images of high definition with various attributes (land classification, land-use change detection); registering lands through continuous territories mapping, which avoids overlapping; financing of the validation step and other monitoring and controlling actions.

At state level Tocantins project supported: (I) State law 2467 of 2011, establishing rural land regularization program (*Programa de Adequação Ambiental de Propriedade e Atividade Rural – TO-LEGAL*) to register landholding in the CAR system and into licensing system (*Licenciamento Ambiental Único – LAU*)

This result indicator is considered fully achieved.

- Six selected institutions working on matters related to the use of natural resources strengthened through staff training in specific environmental management processes and associated tools. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	8.00	6.00
Date	18-Mar-2010	14-Mar-2014	30-Apr-2015	30-Jun-2015

#### Comments

The table below shows so far achievements by each project and by the Sustainable Cerrado initiative. This data would be revised by the projects, during recipients' completion reports preparation.

Projects/Initiative	Target	Results	Achievement %
MMA	2 selected institutions (DCBio, and CONACER) who are working on matters related to the use of natural resources consolidate and functioning.	CONACER composed of representatives from: (i) MMA; (ii) the Chico Mendes Institute for Biodiversity Conservation (Instituto Chico Mendes de Conservação da Biodiversidade, ICMBio); (iii) the Ministry of Agrarian Development (Ministério do Desenvolvimento Agrário, MDA); (iv) the Brazilian Agricultural Research Corporation (Empresa Brasileira de Pesquisa Agropecuária, EMBRAPA); (v) the Brazilian Society for the Progress of Science (Sociedade Brasileira para o Progresso da Ciência, SBPC); (vi) the Brazilian	100%





		Association of State Environmental Entities (Associação Brasileira de Entidades Estaduais de Meio Ambiente, ABEMA); (vii) civil society organizations (including representatives of NGO networks of indigenous and local communities); and (viii) the rural productive sector, established in 2006, was supported. Meetings were held periodically. DCBio created by Decree nº 6.101 of 2007 functioning with staff and equipment. Consultants and events supported.	
ICMBio	Formal ICMBio institutional rules and procedures established 50% of technical staff of Cerrado protected areas trained.	ICMBio's institutional rules and procedures were established and implemented.  Nation Academy of Biodiversity – ACADEBIO is training center to promote biodiversity conservation created in 2009 by MMA Regulation Nr 528. Technical staff of protected areas are trained in the ACADEBIO	100%
Goias	3 selected institutions (State Environmental Council; SEMARH and FEMA) strengthened through staff training in specific environmental management processes and associated tools.	320 staff trained in biodiversity conservation management. Fórum Goiano de Mudanças Climáticas e Serviços Ambientais established (decreto 8171/2014).	100%
Tocantins	3 institutions who are working on matters related to the use of natural resources strengthened through staff training in specific environmental management processes and associated tools (NATURATINS, RURALTINS, and SMARH).	SEMARH, Naturatins e Ruraltins strengthened through training courses focus on: (i) participatory management;(ii) parks guards and enforcement; (iii) environmental indicators; (iv) parks management and public use; (iv) public policies and environmental indicators. 5 professional attended international training in Spain. Technical staff was trained for rural environmental cadastre registration. From 2010 to 2014, annually, three training section were supported.	100%
Cerrado Initiative	6 selected institutions working on matters related to the use of natural resources strengthened through staff training in specific environmental management processes and	8 selected institutions working on matter related to the use of natural resources strengthened through staff training in specific environmental management processes and associated tools.	133% of the target



	associated tools.		
--	-------------------	--	--

► Three civil society networks and/or organizations strengthened to keep their affiliates informed about public policies and to communicate and represent civil society's opinions and aspirations in the (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5.00	5.00	3.00
Date	18-Mar-2010	14-Mar-2013	14-Mar-2013	31-Dec-2014

► Information on the vegetation cover, biodiversity and land use of the Cerrado biome periodically updated and made freely available (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	no database available	MMA has published the vegetation cover map for 2002-2008 and 2009-2010.	MMA has published the vegetation cover map for 2002-2008 and 2009-2010.	Information on the vegetation cover, biodiversity and land use of the Cerrado biome periodically updated and made freely available
Date	18-Mar-2010	31-Oct-2014	30-Apr-2015	30-Jun-2015

#### Comments

MMA has published the vegetation cover map for 2002-2008 and 2009-2010.

Currently, MMA in collaboration with IBAMA and INPE is developing important geographical information on the degradation status of cleared land in the Cerrado Biome and on its current use (crop land, pastures, other). This information will contribute to sustainable use of cleared land in the Cerrado Biome and indirectly to conservation of standing forest.

The methodology under development will support policy and decision making in those entities concerned with land use and rehabilitation of degraded areas in the Brazilian Cerrado Biome.

This mapping is expected to be launched in June 2015.

#### Overall Comments





## Data on Financial Performance

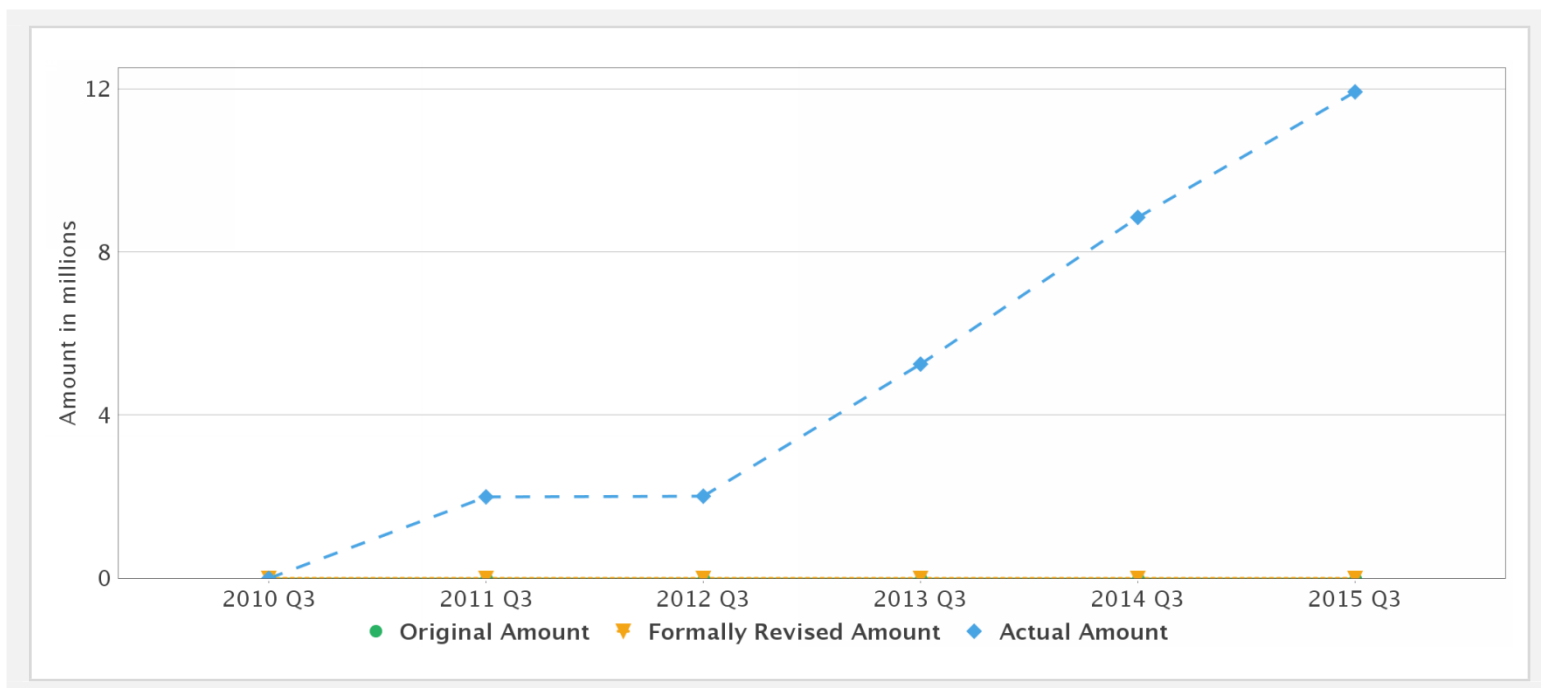
### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P091827	TF-96766	Closed	USD	3.00	3.00	0.00	3.00	0.00	100%
P091827	TF-96767	Effective	USD	4.00	4.00	0.00	4.00	0.00	100%
P121671	TF-97156	Closed	USD	3.00	3.00	0.00	2.61	0.39	87%
P121671	TF-97157	Closed	USD	3.00	3.00	0.00	2.32	0.68	77%

### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P091827	TF-96766	Closed	14-Jun-2010	14-Jun-2010	13-Sep-2010	30-Jun-2013	31-Dec-2014
P091827	TF-96767	Effective	14-Jun-2010	14-Jun-2010	10-Sep-2010	01-Dec-2013	30-Jun-2015
P121671	TF-97156	Closed	14-Jun-2010	14-Jun-2010	10-Sep-2010	30-Jun-2013	31-Dec-2014
P121671	TF-97157	Closed	14-Jun-2010	14-Jun-2010	13-Sep-2010	30-Jun-2013	31-Dec-2014

### Cumulative Disbursements





## Restructuring History

Level 1 Approved on 18-Nov-2013 ,Level 2 Approved on 16-Dec-2014

---

## Related Project(s)

P121671-Sustainable Cerrado Initiative: Goias Sustainable Cerrado & ICMBio Cerrado Biodiversity protection project

---