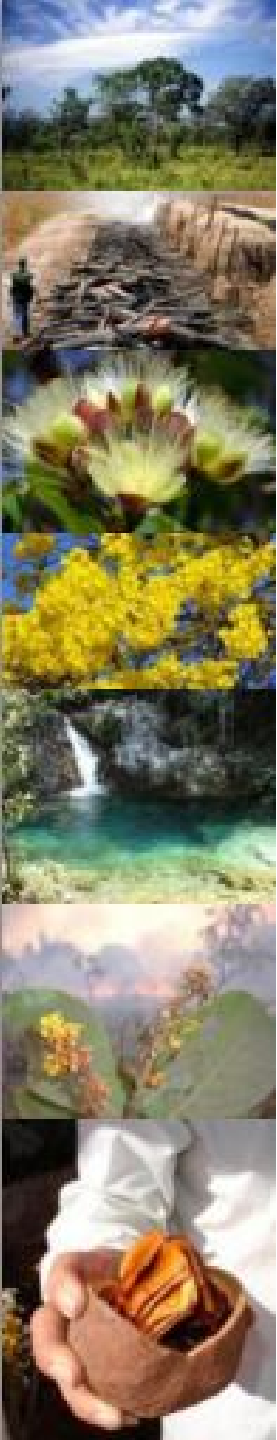




BRAZIL INVESTMENT PLAN

FOREST INVESTMENT PROGRAM

Kinshasa, June 2015



**Projects target
area:
Cerrado biome**

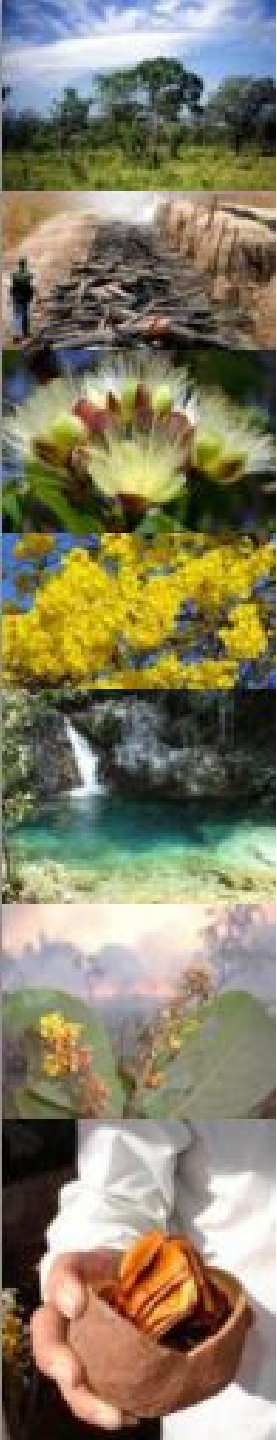
Why?

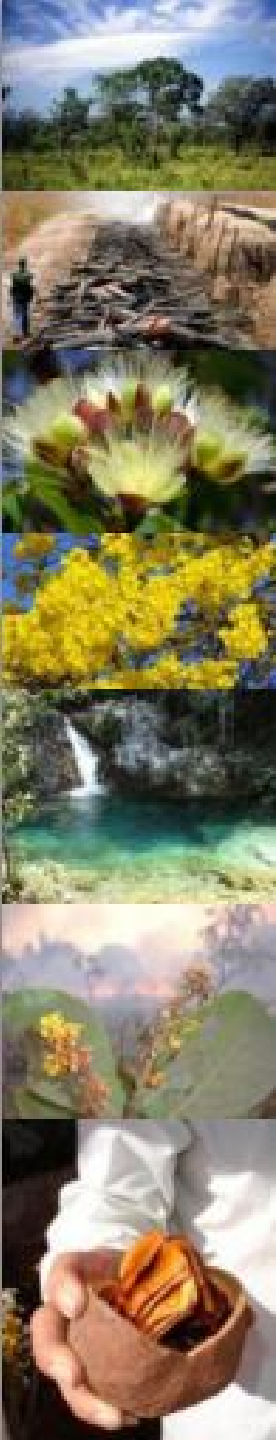
- **Connects all other biomes**
- **Key for biodiversity**
- **Key for agriculture**



Main Project Aspects

- Drivers of deforestation:
 - Agriculture and livestock area expansion
 - Low productivity on vast parts of Cerrado
 - Forest fires
 - Infrastructure development
- Focus on
 - sustainable use and management of agricultural land
 - Production and management of forest information





FIP – Brazil Investment Plan

Sustainable use and management of areas under anthropic influence		Production and management of Forest Information	
Enhance access to financial and technical resources for Low Carbon Agriculture – LCA Implement the Rural Environment Registry – RER (CAR) in the prioritised municipalities of Cerrado		Generate Forest Information and make it all readily available through the Forest Inventory – NFI (IFN) in the Cerrado Remote monitoring system to prevent forest fires, monitor vegetation cover and estimate GHG emissions in the Cerrado	
Project RER - FIP	Projeto LCA - FIP	Project NFI Cerrado - FIP	Projeto FIP- MCTI

Ministério do Meio Ambiente

Ministério da Agricultura Pecuária e Abastecimento



Ministério da Ciência, Tecnologia e Inovação

DISTRIBUTION OF RESOURCES

Values in millions of dollars

Project	MDB	Loan	Donation	Counterpart	Total
RER – FIP CAR – FIP	IRDB	32,50	-	17,50	50,00
FIP - LCA FIP – ABC	IRDB and IFC	-	11,00	25,00	36,00
NFI Cerrado IFN – Cerrado	IDB	-	17,00	8,00	25,00
FIP - MCTI	IRDB	-	9,50	6,50	16,00
Coordination	-	-	1,00	-	1,00
TOTAL	32,50	32,50	38,50	57,00	128,00



Landmarks

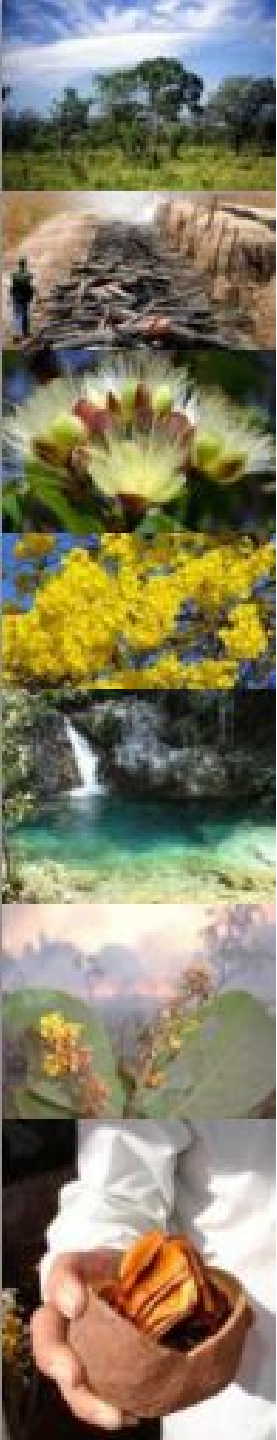
- May 2012: Brazil Investment Plan approved FIP subcommittee
- March 2014: Established governance structure for the implementation of the program
 - Interministerial Executive Committee, composed by the Ministries of Finance, Environment, Agriculture, Science and Technology
- October 2014: Monitoring and Reporting Plan Submitted



Project RER-FIP



- Law nº 12.651/2012 – New Forest Code (*creates the CAR, Art. 29*)
- Information provided by rural producer (*size, location, land use, natural assets – “income tax like”*)
- Registration is mandatory (*it will affect the access to licenses and credit lines of public institutions*)
- Leverage the level of information about the land use (*control, plan and monitor environmental and economic issues*)



Project RER-FIP



Resources: US\$ 32.5M loan + US\$ 17.5M from Federal Gov

Execution:

Ministry of Environment

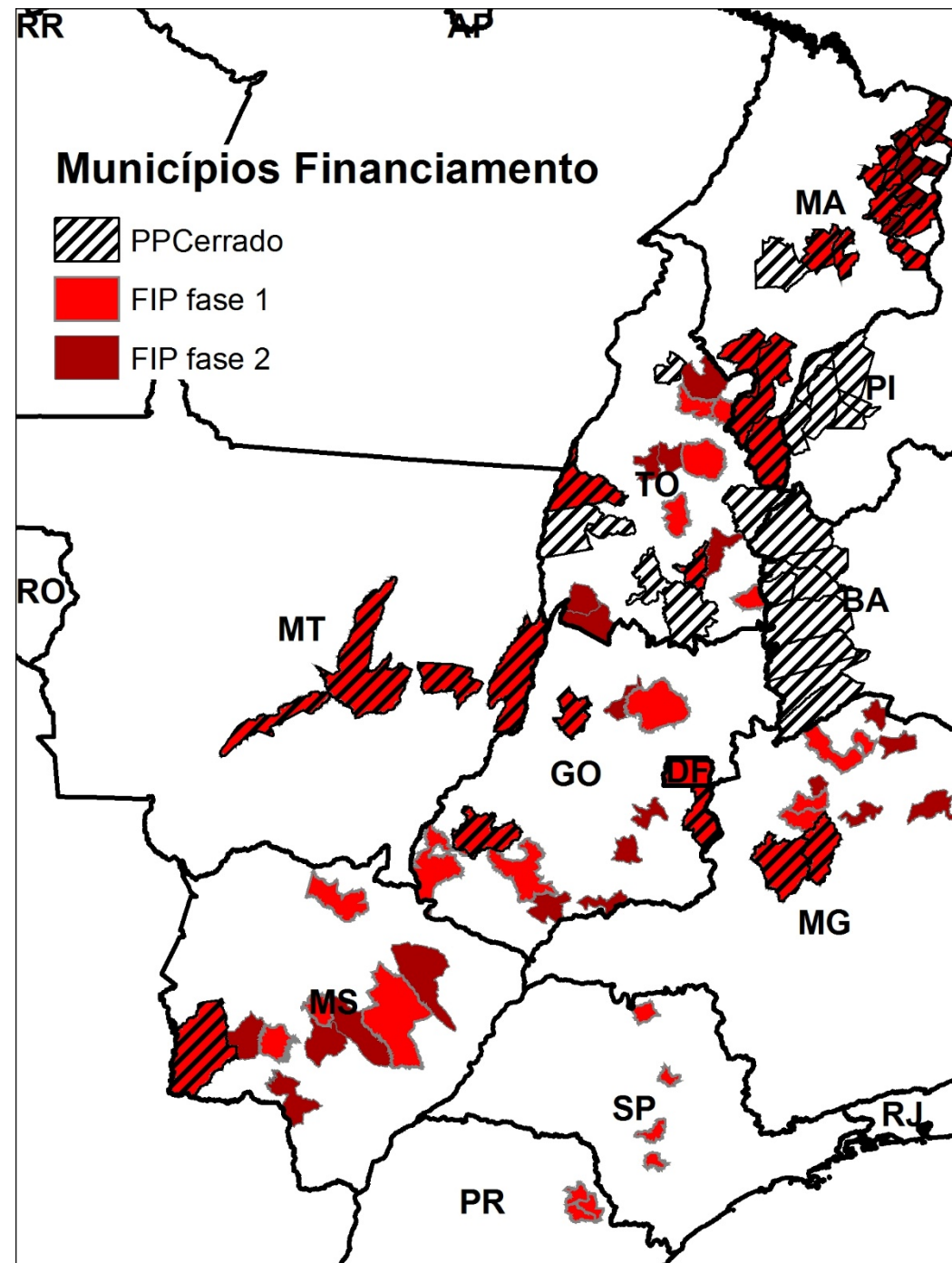
Área of intervention: States de Minas Gerais, São Paulo, Goiás, Mato Grosso do Sul, Mato Grosso, Tocantins, Maranhão e o Distrito Federal.



Project RER-FIP



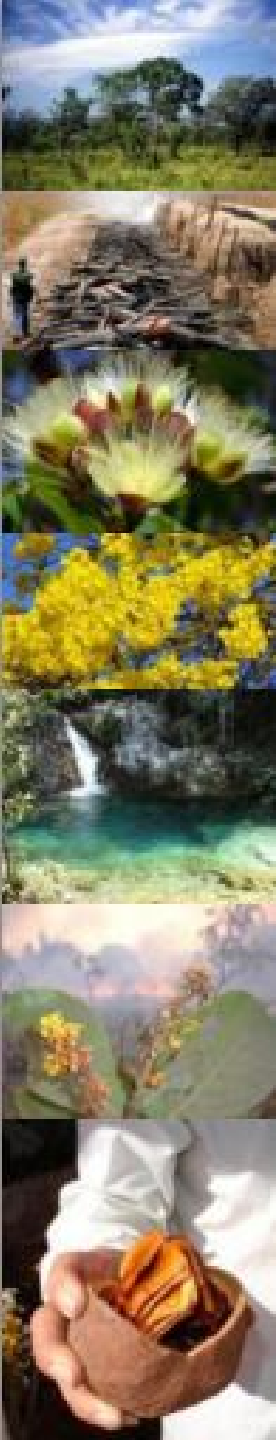
CADASTRO AMBIENTAL RURAL

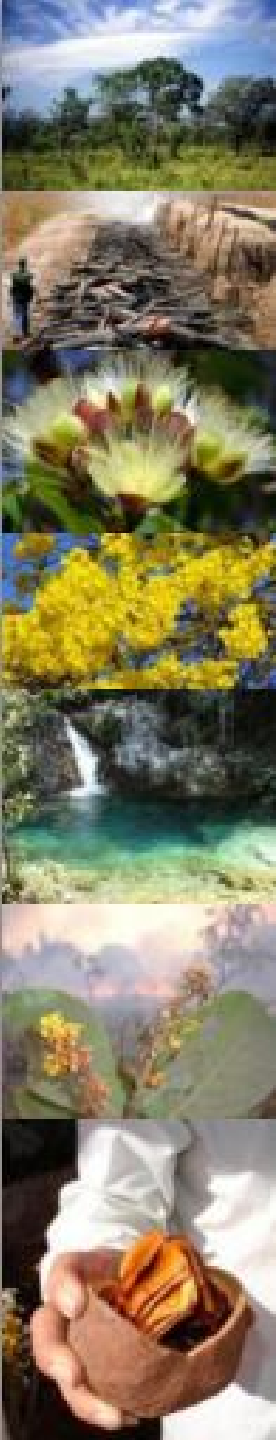


Project RER-FIP – Implementation Strategy



- MMA: coordination, guidelines and compliance
- Training to all 27 state environmental agencies (*500 technical staff*)
- Partnership with rural associations and stakeholders (*small and large scale farmers – 10 national institutions and 220 technical staff*)
- E-learning (*cooperation with Federal University of Lavras to capacitate 30.000 people*)



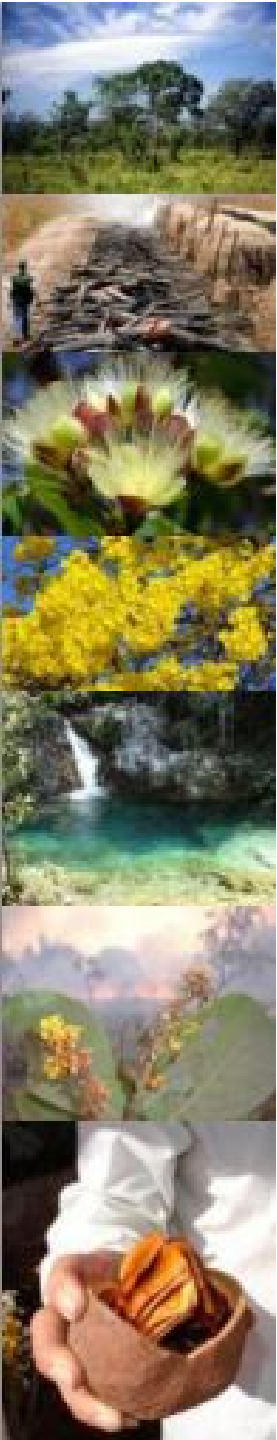


Project CAR-FIP



Main Targets:

- Register over 56 Thousand small rural properties.
- Register over 13 thousand mid-sized and big rural properties
- Registered area: 7 million Hectares.



Project FIP-LCA

Sustainable Production of Areas converted to Agricultural Use



Resources: US\$11M donation + US\$25M from Federal Government

Project Monitoring Committee:

MAPA

EMBRAPA

SENAR

:

Executive Agency :

SENAR (Serviço Nacional de Aprendizagem Rural)
(National Rural Learning Service)

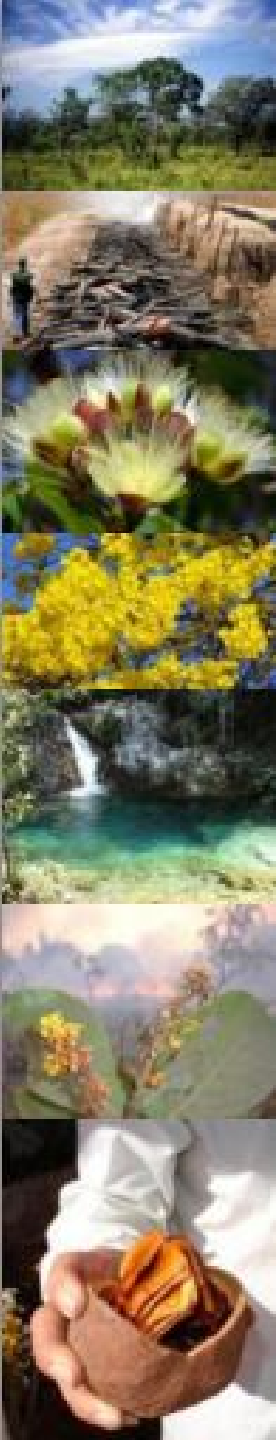
Technical
support:
EMBRAPA

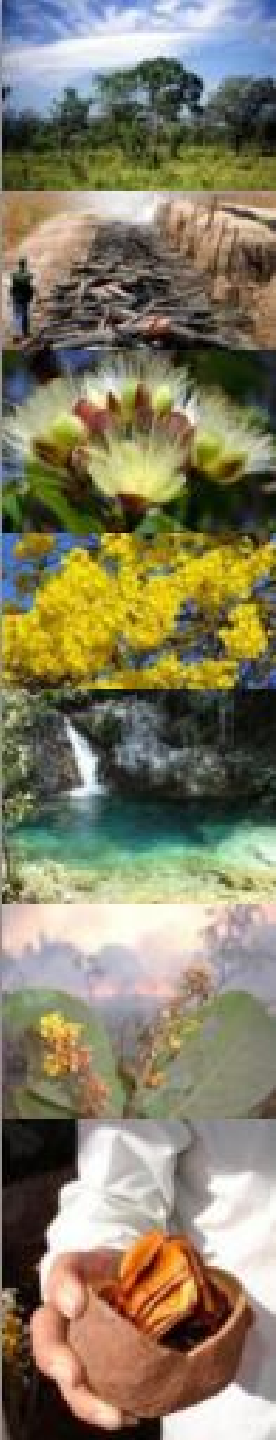
Projeto FIP-LCA – Challenges to Agriculture



- World: Population growth
- Brazil: Increasing agricultural exports
- Consumption standard x Production standard

- **Recovery of Degraded Areas**
- **Elimination of illegal deforestation**
- **Rational and efficient use of water resources**





Projeto FIP-LCA – Challenges to Agriculture



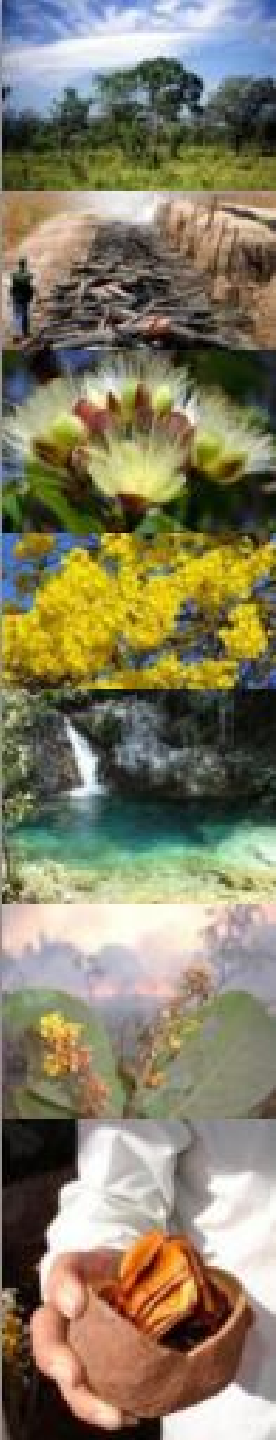
- Compensation for environmental services;
- Carbon Credit ;
- Demand for a safe and certified food;
- Sustainable Agriculture;
- Greenhouse Gases (GHGs);
- Global warming and climate change ; and
- Adaptation and Vulnerability Reduction.

Project FIP-LCA



Aims:

- Promote the adoption of low carbon emission technologies for mid-sized producers in Cerrado
- Capacity building of rural technical assistance professionals and institutions
- Technical Assistance to rural producers
- Collect, systematise and diffuse knowledge associated with low carbon technologies among all stakeholders

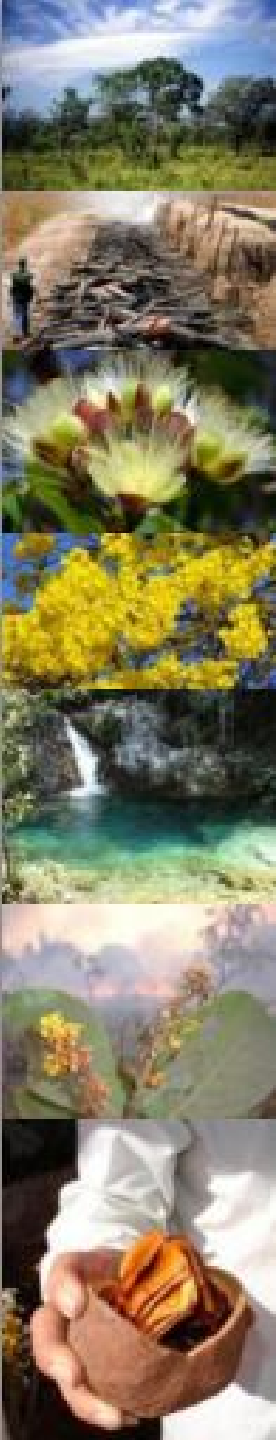


Project FIP-LCA



Main Targets:

- Offer 56 hour courses to 12,000 rural producers and managers in mid sized properties.
- Offer 142 hour courses to 160 rural technical assistance professionals
- Promote the adoption of LCA Technologies in 900,000 hectares
- Provide better financial conditions to those who adopt LCA Technologies:



Project FIP-LCA – Financial Conditions

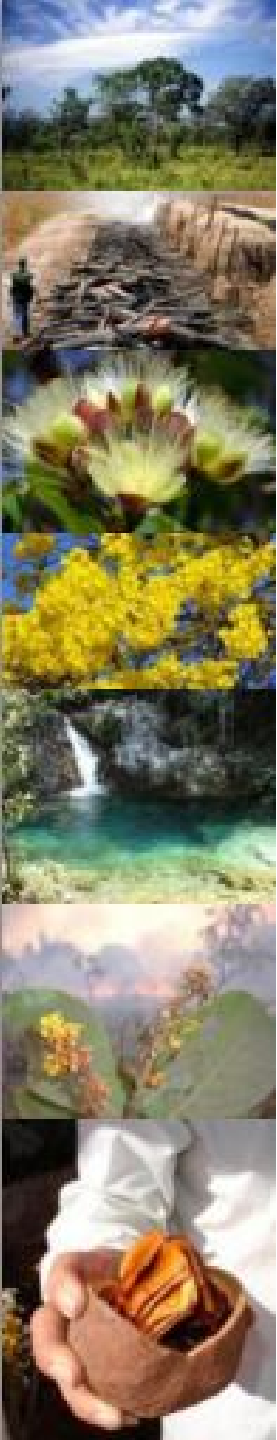


2015/16 Agriculture and Livestock Plan

Resources	R\$3bn (USD 1bn)
Credit Limit	R\$2M (USD 0.7M) for agriculture and livestock R\$5M (USD 1.7M) for planted forests
Terms	Up to 15 years First payment due after 3 years
Rates	7,5% (Baseline interest rate is 15%)

Since 2010/11:

- R\$ 10bn disbursed (USD 3.2bn)
- 30,000 contracts

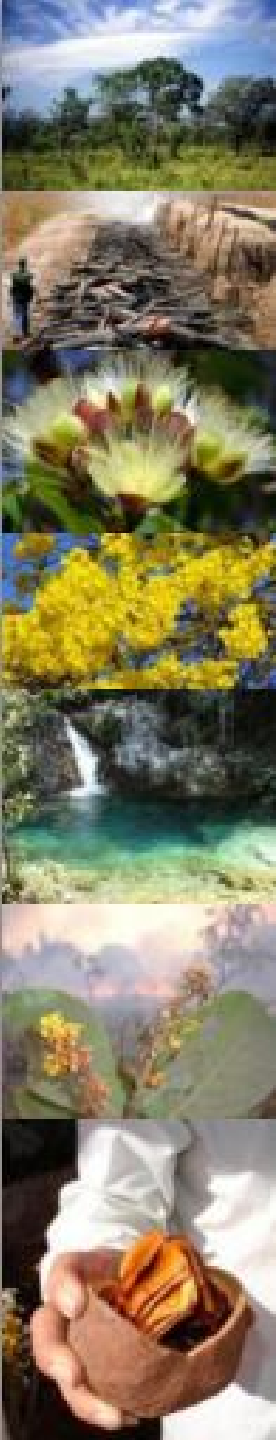


Project IFN-Cerrado



Aims:

- Implement the Forest Inventory in the biome
- Consolidate the National Forest Information System
- Collect, systematise and diffuse crucial and high quality information about forest resources to public and private sectors
- Contribute to the promotion of sustainable programs to mitigate GHG emissions in the Cerrado
- Capacity building of professionals and institutions (public and private sectors, 3 levels of government)



Project IFN-Cerrado



Targets:

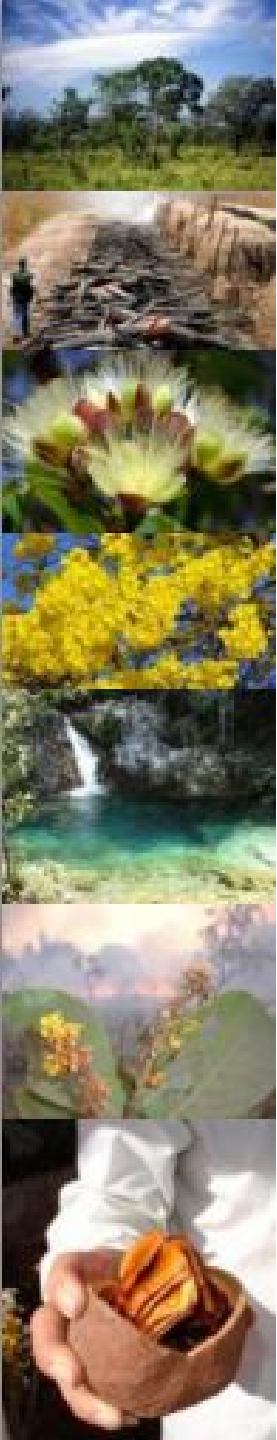
- Collect data and forest information in 5,000 data points in the Biome
- Surveys with inhabitants located near the sample data points to collect data and qualitative information of traditional knowledge of the biome.
- Capacitate 260 professionals and academics in the related areas of expertise

Project FIP-MCTI:

Development of systems to prevent forest fires, monitor vegetation cover and GHG emissions in the Brazilian cerrado

Project Development Objective:

- To enhance Brazil's institutional capacity to monitor deforestation
- Provide instant information on fire risks
- Estimate related GHG emissions in the Cerrado.

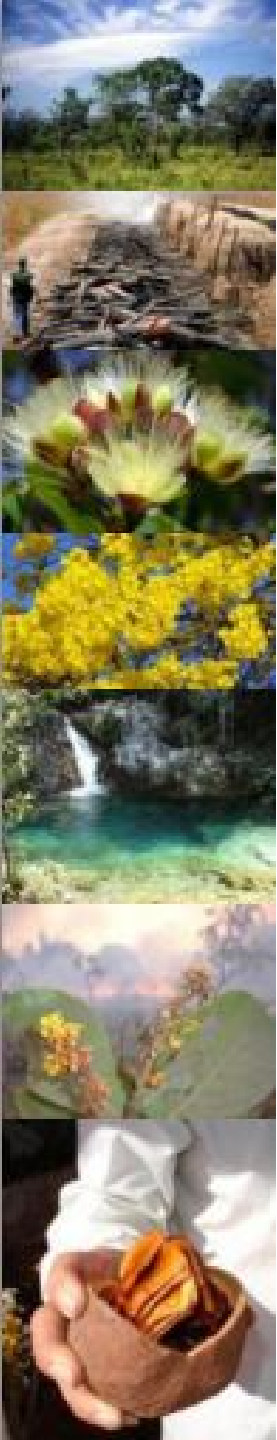


Project FIP-MCTI:

Development of systems to prevent forest fires, monitor vegetation cover and GHG emissions in the Brazilian cerrado

Project Components:

- (i) deforestation monitoring;
 - (ii) improvement of the information system on forest fire risk and GHG emissions; and
 - (iii) project management, monitoring and evaluation.
- The Project will be implemented over four years. The Project will not support direct firefighting activities or purchase of equipment for them.
- Focused on system development



Project FIP-MCTI:

Development of systems to prevent forest fires, monitor vegetation cover and GHG emissions in the Brazilian cerrado

Resources: US\$9.5M grant + US\$6.5M counterpart from Federal Gov't

Implementation:

Coordination
MCTI

Executive Agency
FUNDEP

Technical Implementation:

INPE

National
Space
Research
Institute

CRS

Remote
Sensing
Center
/UFMG

LAPIG

Image
Processing
Lab and
GIS/UFMG

IPAM

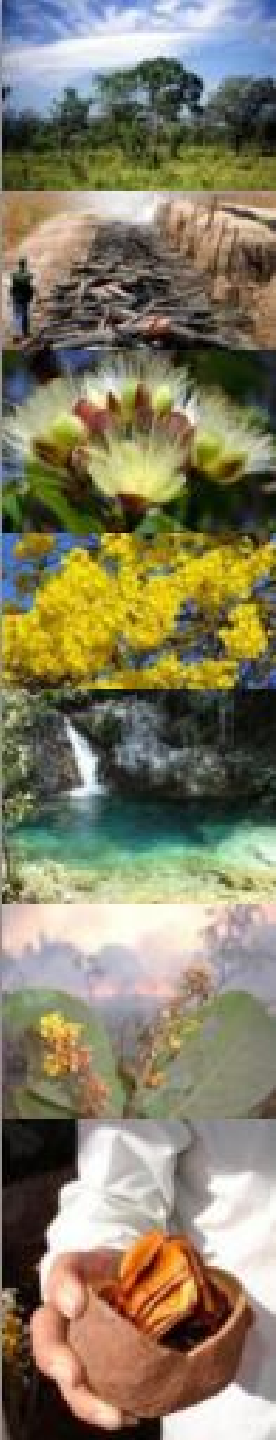
Amazon
Env.
Research
Institute

Project FIP-MCTI:

Development of systems to prevent forest fires, monitor vegetation cover and GHG emissions in the brazilian cerrado

Aims:

- Improve institutional capacity to monitor deforestation, make fire risk information readily available
- Estimate GHG emissions in the Cerrado
- Development of a data generating system about deforestation activity

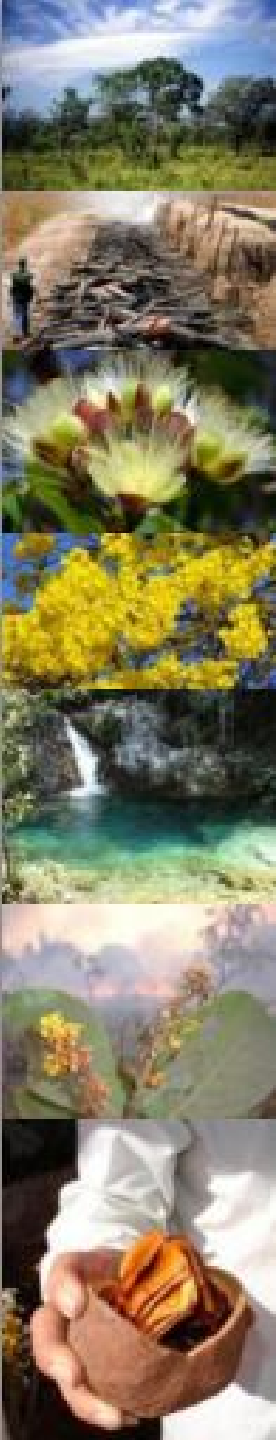


Project FIP-MCTI:

Development of systems to prevent forest fires, monitor vegetation cover and GHG emissions in the brazilian cerrado

Targets:

- Design and implemente a deforestation monitoring system
- Make available to the public more accurate information to predict risk fires in real time
- Implement a system, on-line and off-line, to predict the risk of forest fires propagation/dissemination
- Adapt e operacionalize the Emissions Estimates System INPE-EM.
- Provide stakeholders with information for decision making regarding public policies towards fire prevention, deforestation control, landscape management





GOVERNO FEDERAL
BRASIL
PAÍS RICO É PAÍS SEM POBREZA

 **CAR**
CADASTRO AMBIENTAL RURAL

 **abc**
AGRICULTURA DE BAIXO CARBONO

 **ifn**
Inventário Florestal Nacional

Ministério da
**Ciência, Tecnologia
e Inovação**

Ministério do
Meio Ambiente

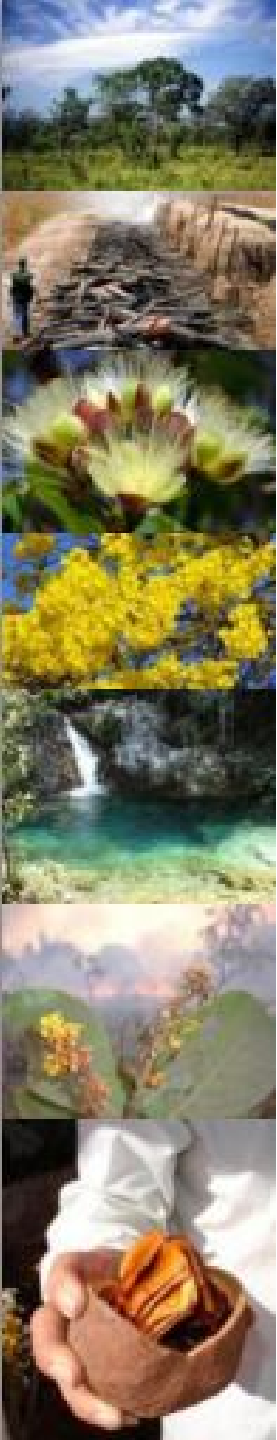

**SERVIÇO FLORESTAL
BRASILEIRO**

Ministério da
**Agricultura Pecuária
e Abastecimento**


FIP FOREST
INVESTMENT
PROGRAM

**STRATEGIC
CLIMATE
FUND** 

 **CLIMATE
INVESTMENT
FUNDS**



Thank You

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