

# Contribution of the Brazilian Private Natural Heritage Reserves - RPPNs to Biodiversity Conservation in Brazil and Aichi Biodiversity - Targets 11 and 12

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# Private Reserves in Brazil - RPPN

- Brazil has an important legal instrument for protection on private lands, known as **Private Natural Heritage Reserves** (or **RPPN** as its acronym in Portuguese).
- **RPPN** are created voluntarily and in perpetuity by landowners, through a formal designation by governmental agencies.
- They are included in the **Protected Areas National System**, complementing the role of public protected areas.

**Nowadays, there are in Brazil**  
**1,351 RPPNs**  
**protecting more than**  
**715,000 hectares**

**In all Brazilian states and in**  
**650 municipalities .**

# Aichi Biodiversity Targets

## TARGET 11



- Brazilian RPPNs are fundamental to the conservation of terrestrial areas of particular importance for biodiversity and ecosystem services;
- They are conserved through the official Brazilian Protected Areas System (SNUC);
- Several RPPNs participate and are integrated into Protected Area Mosaics.

# Aichi Biodiversity Targets

## TARGET 12



In Brazilian RPPNs, endangered species are being preserved, protected and studied in several projects involving students, professors, researchers and their managers and owners.

# Brazilian Atlantic Forest



Before 1500: 1.3 million  
km<sup>2</sup>



2013 (< 14% remaining )

**70% of Brazilian GDP**      **2/3 of population**

**8 of the 10 most populous cities**

**72% of the RPPNs** are in the **Atlantic Forest**, one of the most important hotspots in the world.

# RPPN in numbers by Biomes



## ATLANTIC FOREST

980 RPPNs

192 thousand ha.

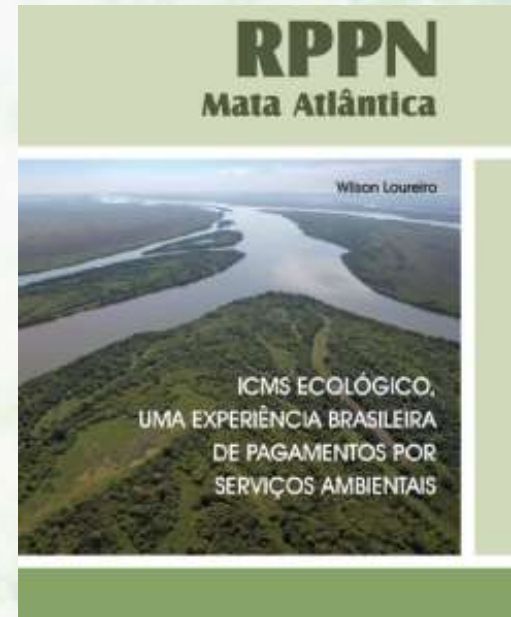
# PUBLICATIONS

## Atlantic Forest Biosphere Reserve - Brazil





# Atlantic Forest RPPNs – Publications



# The Atlantic Forest RPPN Program

> US\$ 5 million invested in one decade,  
sponsored by different donors



**12 calls for proposals**

**808 proposals submitted**

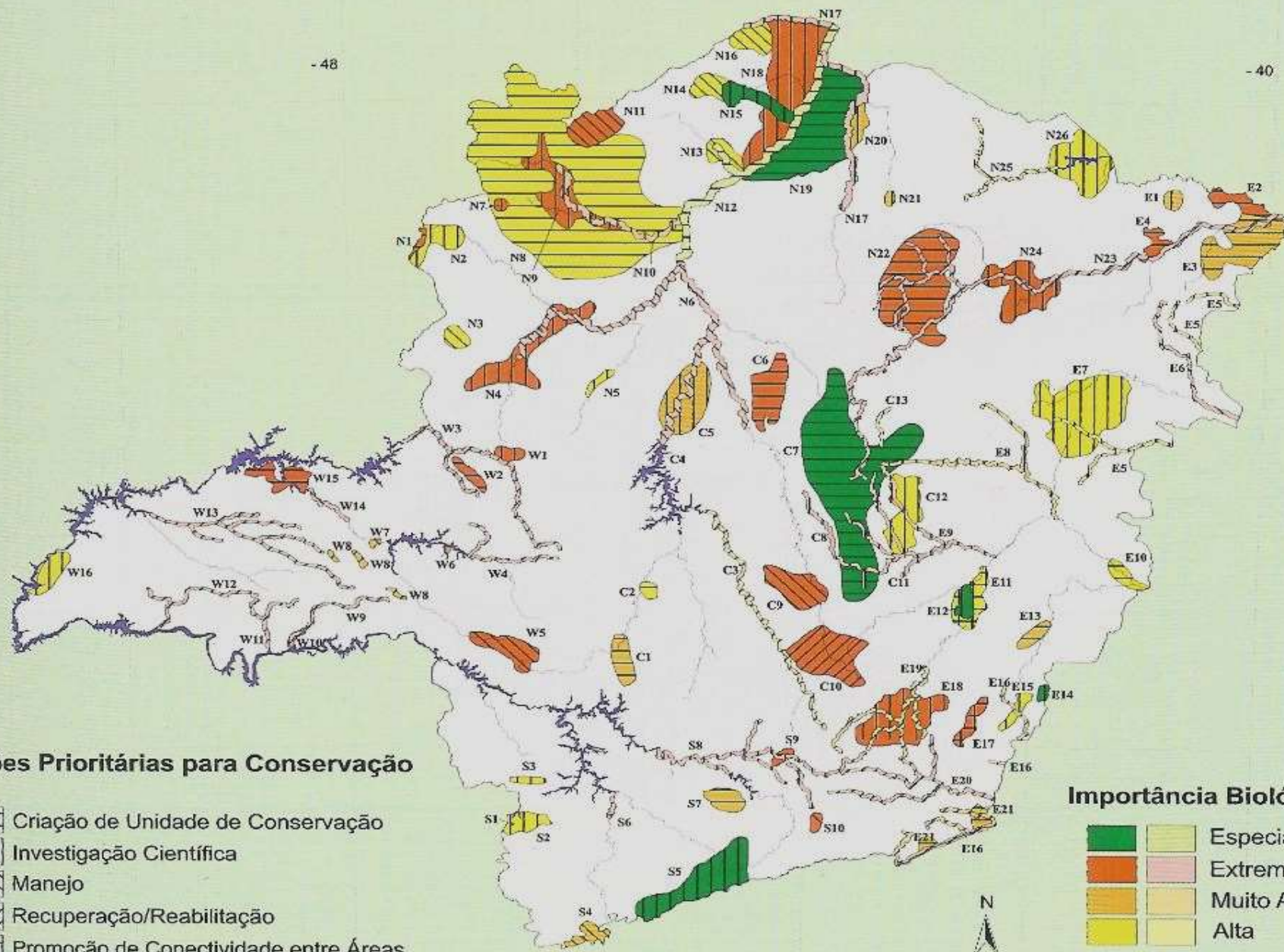
**343 supported**

**392 new RPPNs created**






**102 RPPNs with management enhanced**

# RPPN Fazenda Lagoa (Minas Gerais State) - 3 forest fragments and 2 wildlife corridors (291 ha.)





### Ações Prioritárias para Conservação

-  Criação de Unidade de Conservação
-  Investigação Científica
-  Manejo
-  Recuperação/Reabilitação
-  Promoção de Conectividade entre Áreas

### Importância Biológica

-  Especial
-  Extrema
-  Muito Alta
-  Alta

80 0 80 160 Km



# *Management Plan RPPN Fazenda Lagoa*

## **FLORA**

The research projects on flora began in the 80s. More than 100 species of trees have been identified. A collection of 2000 specimens of the Horto Monte Alegre has been donated to the Rio de Janeiro Botanical Garden Herbarium.



# RPPN Santuário do Caraça (10,187.89 ha) Santa Bárbara – MG





## *Management Plan RPPN Serra do Caraça*

### FLORA

237 species of pteriydophytes and more than 1400 phanerogamic species have been recorded. The richest plant families are the orchidaceae (more than 202 species), bromeliaceae, erioaulaceae, rubiaceae, myrtaceae and melastomataceae.





# Endangered species

## RPPN Serra do Caraça

12 of the species described in the Caraça Flora are in the Minas Gerais official list of endangered species such as the 9 orchid species among the 202 species of Orchidaceae there.

# Endangered species

RPPN Sítio dos Borges (66 ha) - Itabira - MG



*Vellozia gigantea*

# Atlantic Forest Biome

Bahia State

RPPN SERRA DO TEIMOSO (200 ha.)



# Endangered Species - Natural Regeneration

RPPN Serra do Teimoso - Bahia.



**Pau-Brasil - *Caesalpinia echinata***

Source: "Livro Vermelho da Flora do Brasil " (Martinelli & Moraes 2013).

# RPPN Salto Morato (2,253 ha) Paraná State



# RPPN Airumã (30.000m<sup>2</sup> - Urban) Curitiba - Paraná





**IX** Congreso Interamericano y  
**I** Congreso Iberoamericano de  
Conservación en Tierras Privadas

BIODIVERSITY SURVEYS IN RPPN - BRAZIL  
ATLANTIC FOREST BIOME  
FLORA BIODIVERSITY

RPPN	No. of species
Estação Veracruz - Bahia	>300 / trees
Feliciano Miguel Abdalla - Minas Gerais	810
Salto Morato - Paraná	>650 / vascular plants
Santuário do Caraça – Minas Gerais	> 1,400 / phanerogamic
Serra Bonita - Bahia	300 / trees
Reserva Natural da Serra do Teimoso – Bahia	>600

# Fauna Biodiversity - Birds

RPPN	No. of species
Cafundó – Espírito Santo	258
Comodato Reserva de Peti – Minas Gerais	256
Fazenda Lagoa – Minas Gerais	350
Feliciano Miguel Abdalla – Minas Gerais	205
Reserva Natural Salto Morato – Paraná	328
Reserva Natural da Serra do Teimoso – Bahia	235
Santúario do Caraça – Minas Gerais	350
Araupel – Paraná	218
Serra Bonita – Bahia	➤ 400



# RPPN in numbers

## By Biomes



**AMAZONIA**

**56 RPPNs**

**41.6 thousand  
ha.**

**3 RPPN do Cristalino ( 7,189.40 ha.)  
Mato Grosso State**



# RPPN in numbers

## By Biomes



**CAATINGA**

**62 RPPNs**

**75.9 thousand  
ha.**

# Caatinga Biome

Ceará State

RPPN Serra das Almas (4,749.58 ha.)



# Caatinga Biome- Ceará State



# RPPN in numbers

## By Biomes



### CERRADO

215 RPPNs

157.6 thousand  
ha.

# Cerrado Biome

Minas Gerais State

RPPN Vereda Grande 1992 (2,994.8 ha)



# RPPN in numbers

## By Biomes



**PANTANAL**

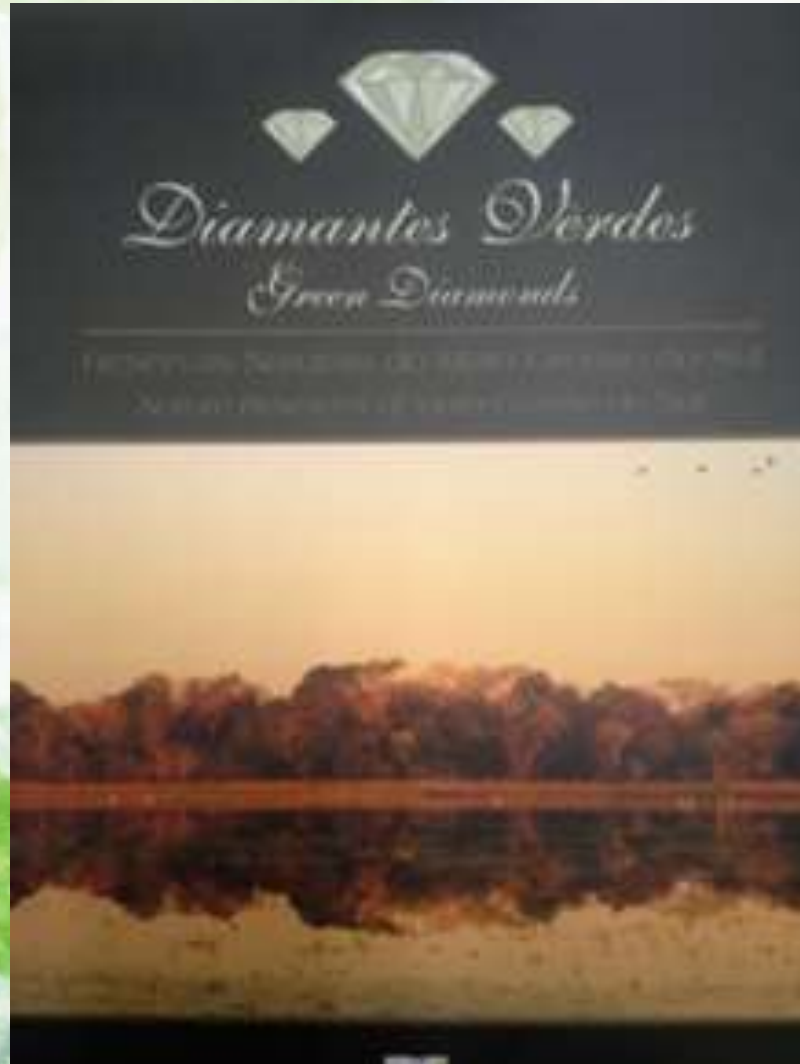
**20 RPPNs**

**247 thousand ha.**





# Publication on Pantanal RPPNs



# RPRPPN in numbers

## By Biomes



**PAMPA**

**7 RPPNs**

**408 ha.**

# RPPN FAZENDA MORRO SAPUCAIA (90,25 ha.) RIO GRANDE DO SUL STATE



# Flora Conservation in RPPNs - Brazil

XI LATIN AMERICAN CONGRESS OF BOTANY  
65th NATIONAL CONGRESS OF BOTANY  
Salvador - Bahia - 2014

**Round Table: The importance of Private Natural Heritage Reserves - RPPNs for Botanical Research and Brazilian Flora Conservation .  
Organization: Association of RPPNs of Minas Gerais State.**

**Lecture 1: Floristic diversity, endangered species, species discovery, in the Atlantic Forest Biome. Case studies.**

**Lecture 2: Cerrado Flora at RPPN Vereda Grande – 1st RPPN in Minas Gerais State and pioneer in Brazil;**

**Lecture 3: Medicinal Plants in the RPPN Iracambi – MG.**



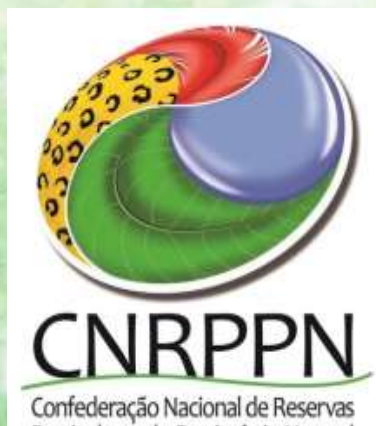
# Private Natural Heritage in Brazil - METALIVROS - 2015



# RPPN Collection Forever



***Collection of books about Private Natural Heritage Reserves  
in the Brazilian Biomes***





**31st JANUARY - RPPN NATIONAL DAY**



***“... We are happy to contribute to protection of the planet . It is only a drop in the ocean, but a legacy for future generations. (...)***

***We act as guardians of a small stream, that integrates into a bigger river basin;***

***We feel part of the essential wheel of life”.***

**Beto Mesquita**

# THANK YOU! GRACIAS! OBRIGADO!

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## Special Thanks:

- ❖ Andressa Novaes (Project Coordinator – ARPEMG/ ISMECN)
- ❖ Beto Mesquita (Counsellor – CNRPPN – Conservation International)
- ❖ Mariana Machado (Legal Entity Director - CNRPPN)
- ❖ Robin Le Breton (RPPN Iracambi)
- ❖ Terezinha Vareschi (RPPN Airumã)