

# Oasis Project

Nature Conservation toward life  
protection

“Second Curitiba Meeting on Cities and Biodiversity”

Curitiba  
2010

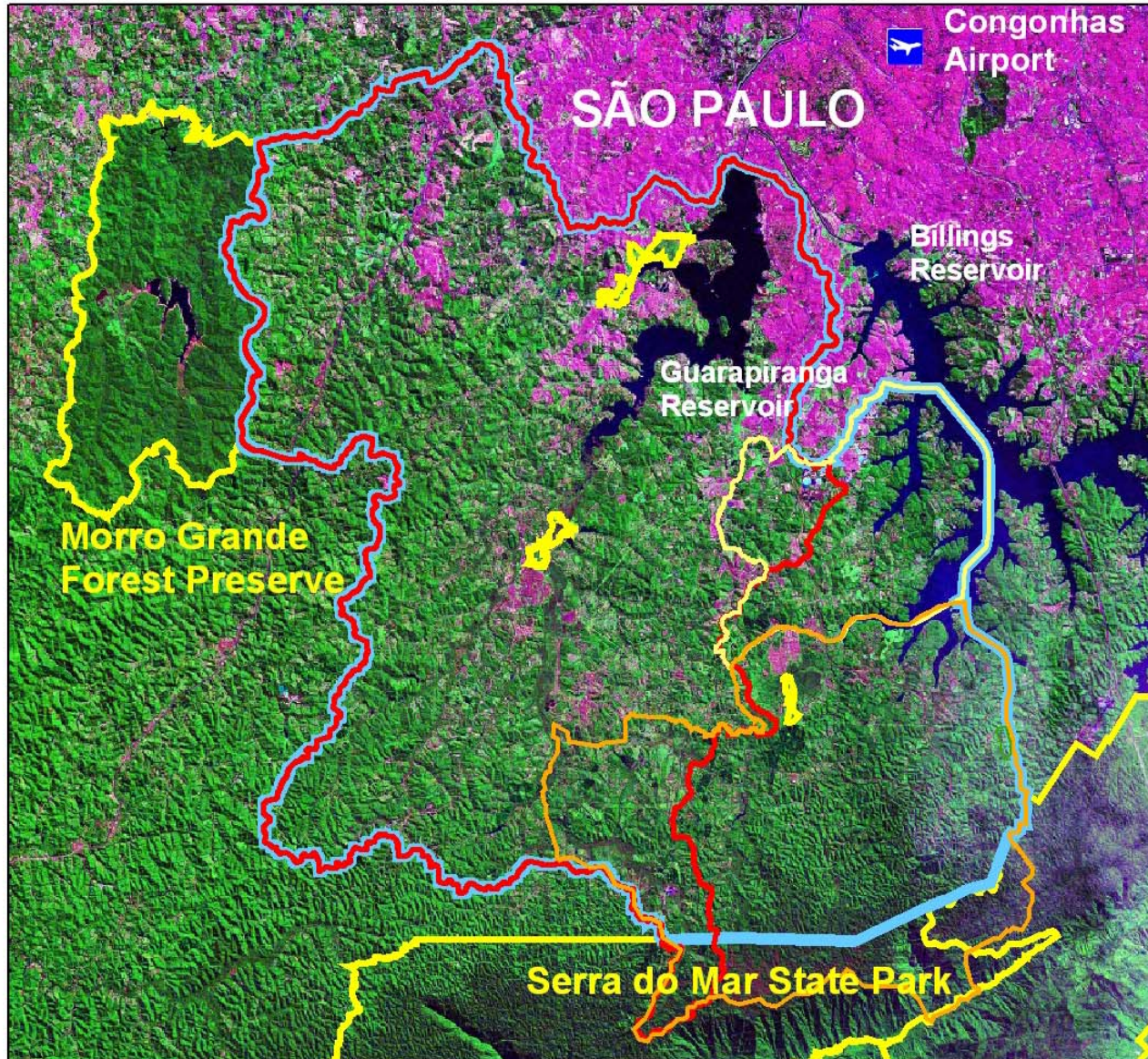


# Overview

- São Paulo faces a great risk of collapse of the drinking water supply system.
- The metropolis has about 18 million people while the Guarapiranga watershed alone provides water for almost 4 million people.
- The loss of a water source like the Guarapiranga watershed will bring high social and economic costs for the region.



# Guarapiranga region



FUNDAÇÃO O BOTICÁRIO DE PROTEÇÃO À NATUREZA

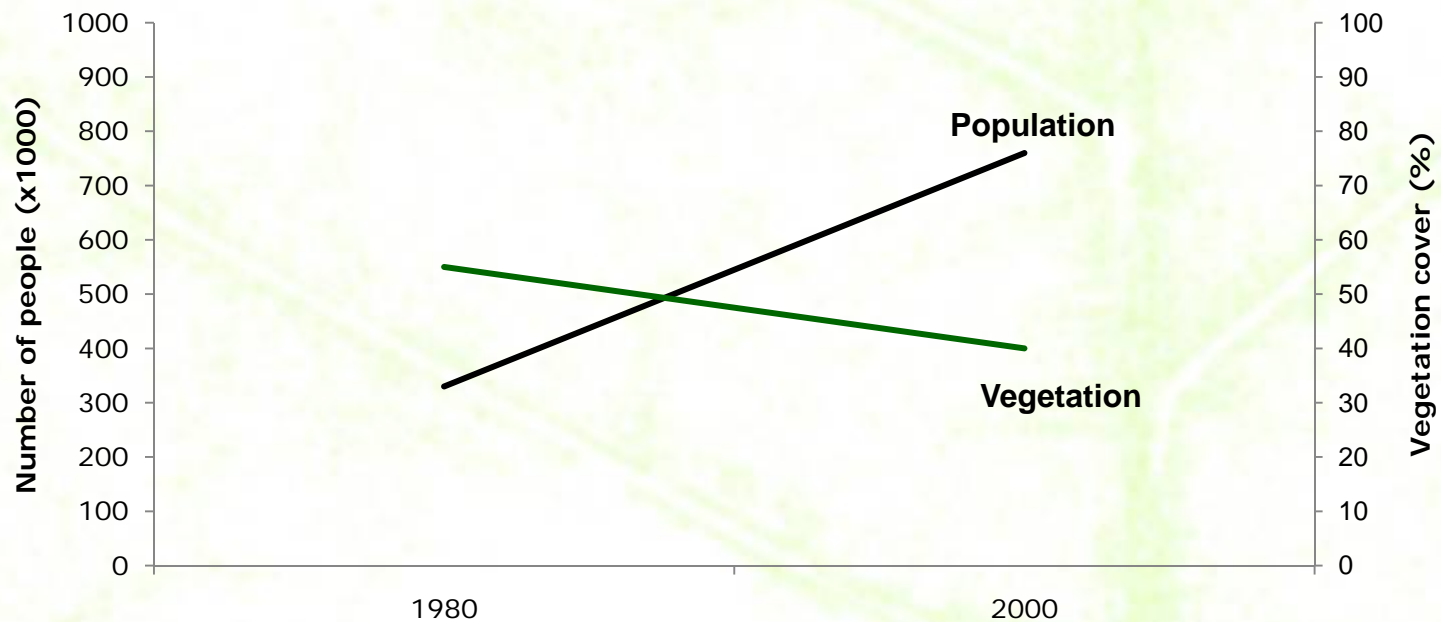


## LEGEND

-  Projeto Oásis region
-  Guarapiranga watershed
-  APA Capivari-Monos
-  APA Bororé-Colônia
-  Public protected areas

# Overview

## Population growth x vegetation cover in Guarapiranga Watershed



# Overview

- The project is aimed to test a strategy of payment for ecosystem services, as an incentive to land owners to maintain and protect forests along the watersheds that feed São Paulo's reservoirs.
- The project encompasses 28 sub-watersheds and targets an area of 82,000 ha (~200,500 acres), including the last significant example of vegetation and fauna that once existed in São Paulo's plateau.
- The goal is contribute to the protection of a critical watershed in the largest South America's metropolitan region.



# Expected Positive impacts

- Positive effect on the quality of life of one of the world's largest metropolis.
- Maintenance of biodiversity corridors among the main protected areas on the region.
- To contribute in the establishment of public policies to protect natural areas (PES Law).
- To become a reference for similar initiatives in other regions.

# Timeline

2006

- Launching
- Evaluation of potential properties

2008

- New contracts
- Monitoring

2007

- Evaluation of potential properties
- First Contracts
- First monitoring activities

2009

- Monitoring



# Oasis Project Mechanism

## Watershed Valuation Index (IVM)

- Model developed by Fundação O Boticário calculates a reference value for the payment for the provision of 3 chosen ecosystem services:
  - a) Water storage in soil
  - b) Water quality maintenance
  - c) Erosion mitigation
- Landowners are paid according to the ecosystem services their natural areas provide.
- The payment value is calculated in proportion to the size and the integrity of its natural areas.



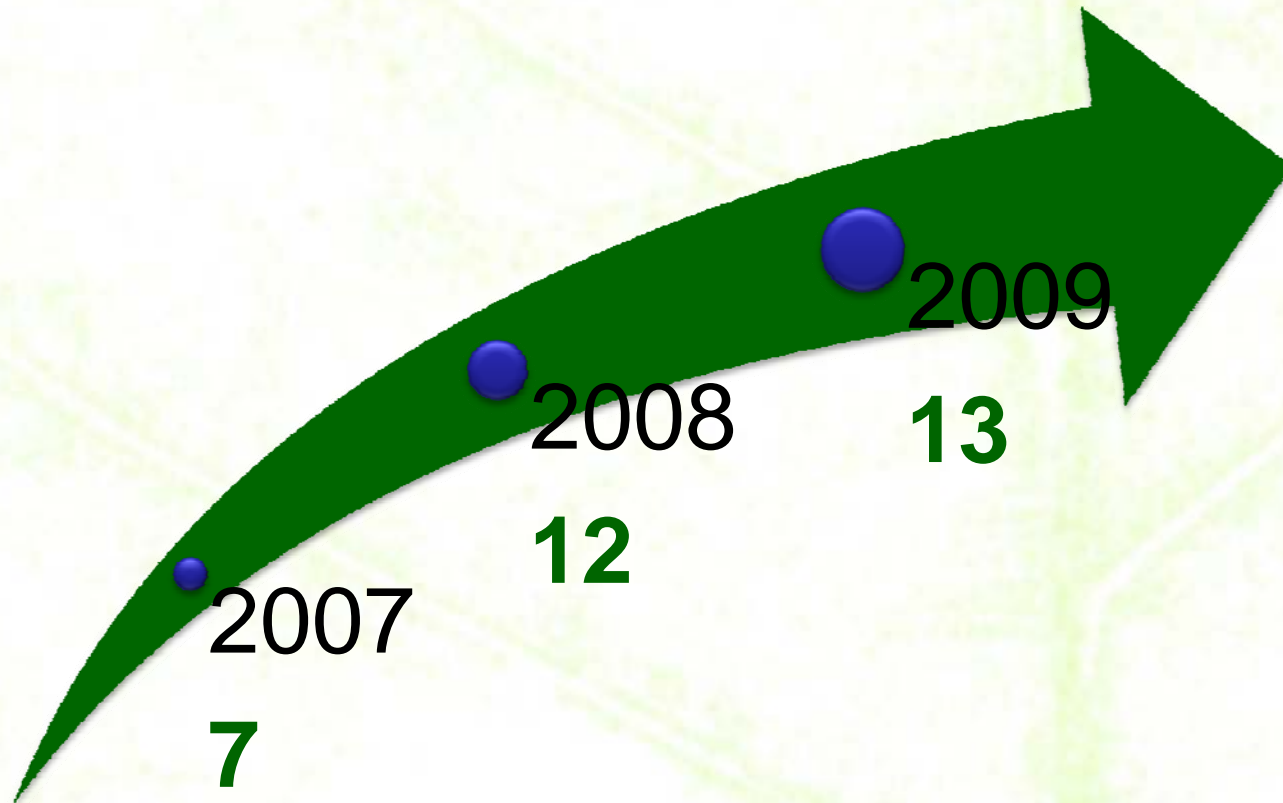
# IVM reference value



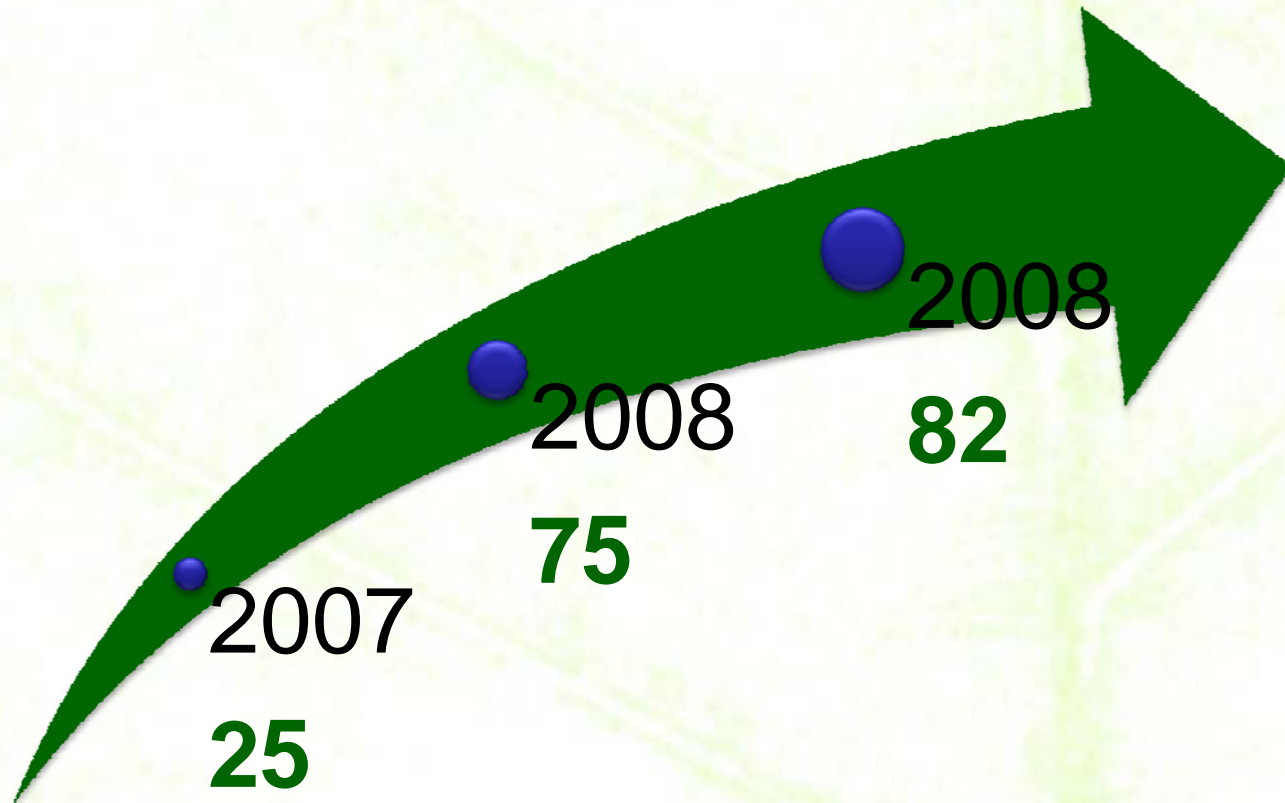
**MAXIMUM PRICE PAID FOR ECOSYSTEM SERVICES**

**R\$ 370.00/ha/year (U\$ 195.00)**

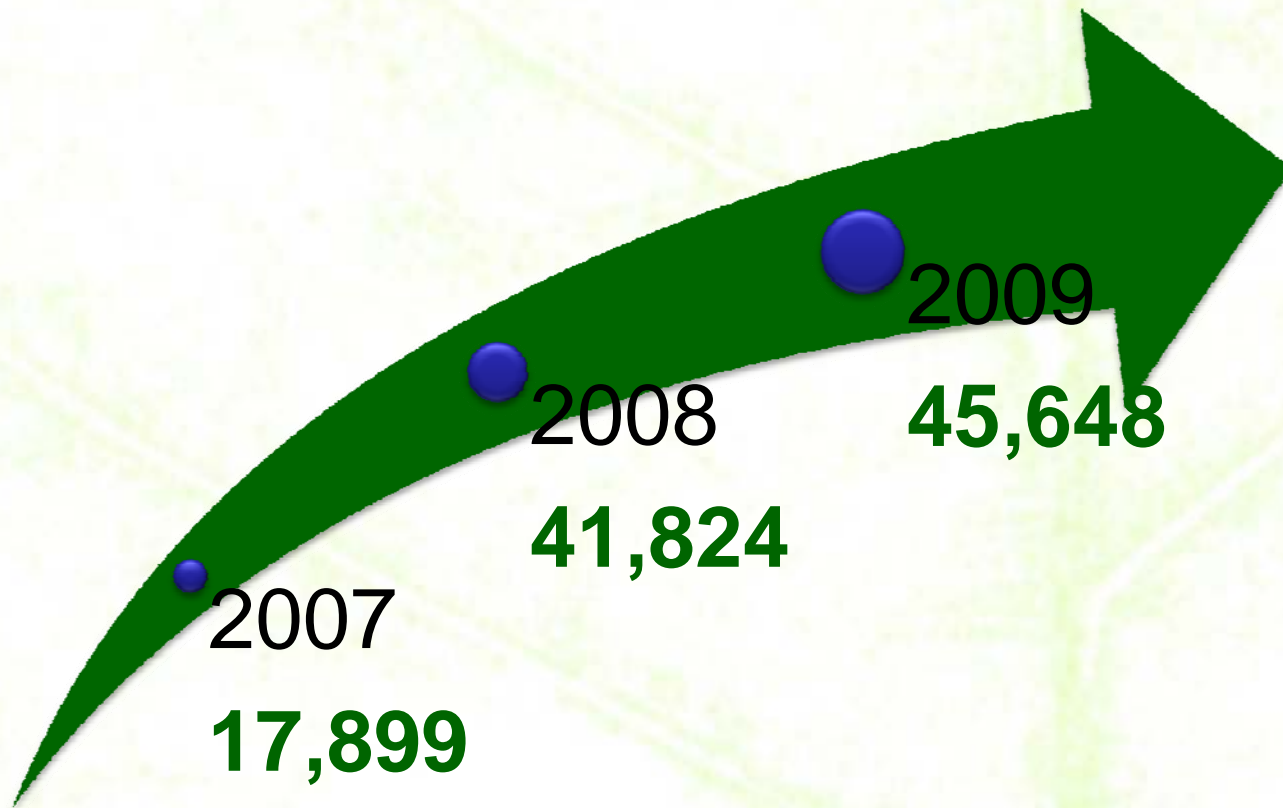
# Timeline – properties contracted



# Timeline – springs protected



# Timeline – meters of rivers protected



# Current Status

- 13 properties
- 82 springs protected
- 45,648 meters of rivers protected
- 657 hectares of natural forests protected
- U\$ 400,000.00 for landowners in five years.



# Next Steps

- Increase the number of properties engaged in the project and double the area protected in 2010 with the support of new sponsors.
- Contribute with the São Paulo Municipality to the creation of a public policy towards payment for environmental services.
- Work with Apucarana city (PR) on the implementation of payment for environmental services through public funds and engage neighboring municipalities.



# Awards



Placa Prize 2008



- Sponsorship



- Support



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