

IMPLICATIONS OF ENVIRONMENT AND DEVELOPMENT POLICIES ON ARTISANAL FISHERIES IN TWO MARINE PROTECTED AREAS OF BOCAINA MOSAIC

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GENERAL OBJECTIVE

Investigate the implications
of biodiversity
conservation and
development policies on
artisanal fisheries in
Marine Protected Areas

RESEARCH FOCUS

Analyze institutional change in artisanal fishery management occurred in the last fifty years.

Fishery Development Policies



Institutional Change in the fisheries management in Marine Protected Areas

RESPONSE TO CHANGE

Ecological sys.
Socio-economic sys.
Socio-political sys.
Socio-cultural sys.



Biodiversity Conservation Policies

Federal Policies affecting small scale fisheries

(source: adapted of Vieira & Seixas *in prep.*)

Biodiversity Conservation

- 03 National Policies
- 01 Conservation
Unities National
System
- 01 Environmental
Crimes Law
- 01 Interministerial
Commission of Sea
Resources

Fisheries Management

- 01 National Policies
- 01 Normative
Instruction
- 01 Co-Management
between two
Ministeries
- 01 National Council
- 01 Coast Management
National Plan

Artisanal Fisheries

- 01 General Fishing
Register
- 01 Fish Code
- 01 Fisheries
Colonies Law
- 01 Unemployment
Security Law
- 01 Agríicultural
Credit
- 01 Revitalize
Program

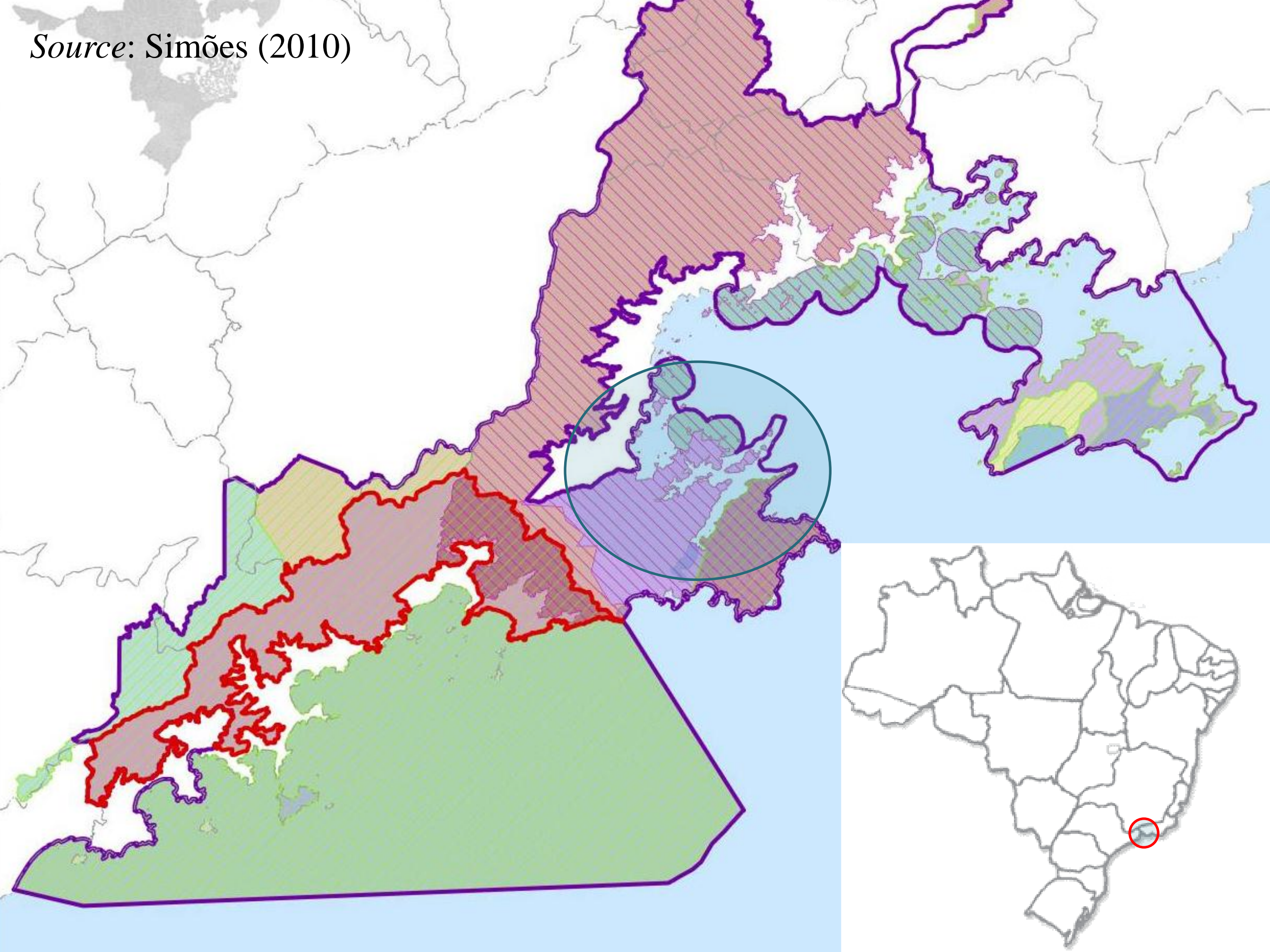
RESEARCH QUESTIONS

- 1) How institutional change occurred in coastal artisanal fishery in two marine protected areas in the last fifty years in response to modifications in the: (i) ecological system; (ii) socio-economic system and; (iii) conservation and development policies?
- 2) Is the Bocaina Mosaic a proper institutional arrangement to implement Sustainable Territorial Development policies?

ANALITICAL APPROACHES

- Commons Theory
- Institutional Change,
Property-Rights and
Property Regimes
- Sustainable Territorial
Development

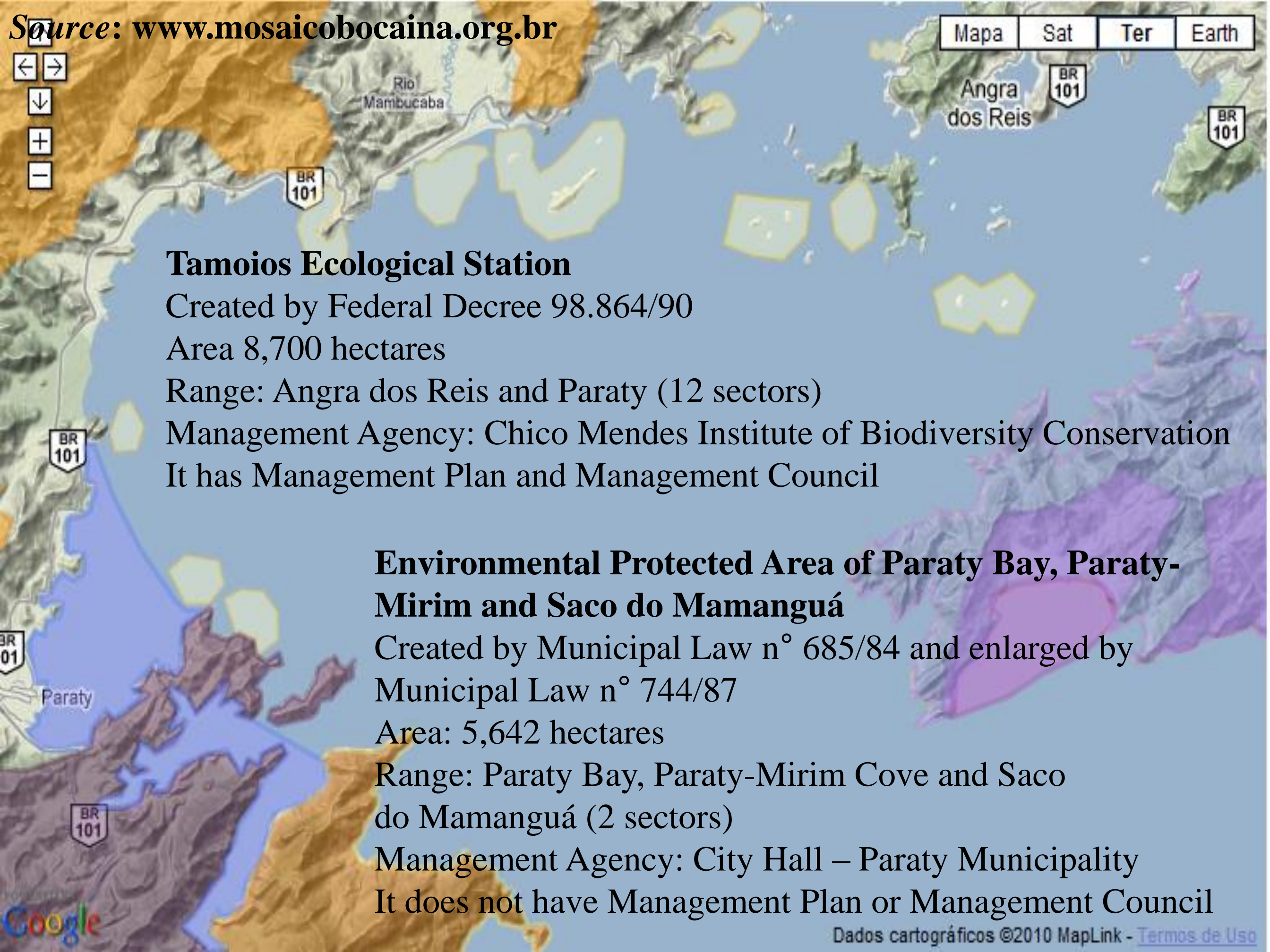
Source: Simões (2010)



Source: www.mosaicobocaina.org.br



Mapa Sat Ter Earth



Tamoios Ecological Station

Created by Federal Decree 98.864/90

Area 8,700 hectares

Range: Angra dos Reis and Paraty (12 sectors)

Management Agency: Chico Mendes Institute of Biodiversity Conservation

It has Management Plan and Management Council

Environmental Protected Area of Paraty Bay, Paraty-Mirim and Saco do Mamanguá

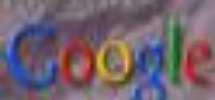
Created by Municipal Law n° 685/84 and enlarged by Municipal Law n° 744/87

Area: 5,642 hectares

Range: Paraty Bay, Paraty-Mirim Cove and Saco do Mamanguá (2 sectors)

Management Agency: City Hall – Paraty Municipality

It does not have Management Plan or Management Council



METHODOLOGY

- Semi-structured interview with *stakeholders*.
- Participant Observation in Decision-Making and Conflict Resolution Arenas.
- Bibliographic research on fisheries and Protected Areas history.
- Spatialization of change in fishing areas due to institutional change, through oral history and GIS in four Fishing Communities.

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Ciências do Mar

Thanks!!!

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