

KEY ISSUES TO UNDERSTAND MANAGEMENT PROCESSES RELATED TO ARTISANAL FISHERIES IN PARATY, RJ, BRAZIL

IDRC Workshop
Campinas-Brazil/Winnipeg-Canada
May 2012



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INTRODUCTION

□ My aim is to discuss management processes related to artisanal fisheries in Paraty in the context of meetings of (i) Fishing Agreements proposal, (ii) *Mosaico Bocaina* and (iii) *Estação Ecológica (ESEC) Tamoios*.

□ I intend to describe:

(i) problems and conflicts related to artisanal fisheries in Paraty;

(ii) aspects regarding the relationships among stakeholders involved in the observed arenas, as well as leadership and partnerships.

PROBLEMS AND CONFLICTS WITHIN FISHERIES

(i) Related to property rights:

- ✓ Common property (fishing spots) X State property
- ✓ Informal institutions (local rules) X Formal institutions

(ii) Related to access to marine resources:

- ✓ Small scale fishers X Large scale fishers
- ✓ Artisanal fishers X Protected Area managers

(iii) Related to fisheries and protected areas management:

- ✓ Prevalence of top-down management
- ✓ Lack of fishermen representation, power and participation in management arenas
- ✓ Lack of enforcement over large fisheries X excessive enforcement over small fisheries

THE INSTITUTIONS

➤ We cannot talk about fisheries in Paraty without considering the protected areas:

APA do Cairuçu

ESEC Tamoios

PARNA da Serra da Bocaina

Reserva Ecológica da Joatinga

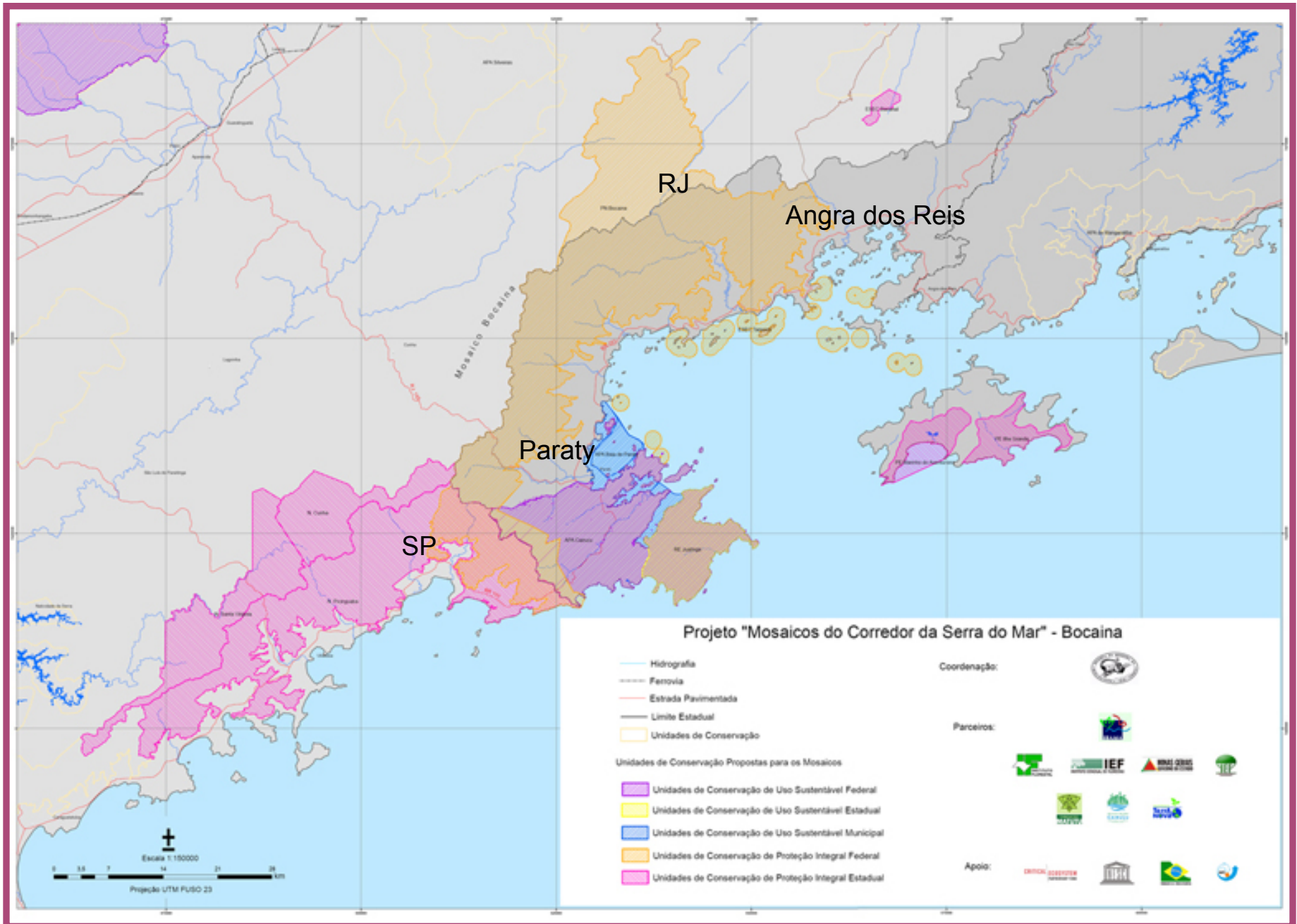
➤ **Characterization of management processes in:**

(i) Fishing Agreements of the Ilha Grande Bay

(ii) Mosaico Bocaina

(iii) ESEC Tamoios

THE INSTITUTIONS



FISHING AGREEMENTS

➤ Characterizing Fishing Agreements in Paraty (started in June 2009):

❑ **Institutional Goal:** Project for a Legal Normative Instrument

❑ **Main Theme:** Artisanal Fisheries

❑ **Main Fisheries Issue:** Participative proposal for co-management.

❑ **Scale:** regional (Ilha Grande Bay)

❑ **Current state:** planning Phase and discussion of future actions in public meetings of the Fishing Agreements Project and closed meeting of the Collaborative Management Council of the Ilha Grande Bay

❑ **Results:** Fisheries Participatory Appraisal concluded on November 2011 by UFRJ and FIPERJ

❑ **Leading organizations:**

(i) Fisheries Ministry (*MPA*)

(ii) Fisheries Institute and Foundation of Rio de Janeiro State (*FIPERJ*)

(iii) Federal University of Rio de Janeiro (*UFRJ*)

❑ **Knowledge:** local, technical and scientific

❑ **Meetings observed:** 5 (2009-2010); Fishing Agreements and the Workshop for collaborative management and artisanal fishers network

MOSAICO BOCAINA

➤ Characterizing the Mosaico Bocaina:

❑ ***Institutional Goal:*** integrated management of protected areas

❑ ***Main Theme:*** ecosystem conservation and social development

❑ ***Main Fisheries Issue:*** Fisheries (cercos) in Trindade

❑ ***Scale:*** regional (2 states, several municipalities, different ecosystems)

❑ ***Current state:*** Characterization of the artisanal fisheries in Trindade is concluded. Data was validated by fishermen

❑ ***Results at the moment:*** A negotiation regarding an agreement on fishing rules within a protected area started but had not continuity because managers were not open to negotiate

❑ ***Leading organization:*** Chico Mendes Institute for Biodiversity Conservation (*ICMBio*)

❑ ***Partnerships:*** ONGs and Government

❑ ***Knowledge:*** local and scientific

❑ ***Meetings observed:*** 8 (2010); Consultive Council of the Mosaico Bocaina and Workshops in Trindade

ESEC TAMOIOS

➤ Characterizing ESEC Tamoios:

❑ ***Institutional Goal:*** marine conservation and buffer zone of Nuclear Plant

❑ ***Main Theme:*** ecosystem and biodiversity conservation

❑ ***Main Fisheries Issues:***

(i) Conflict between fishermen and the Protected Area

(ii) Review of the Ilha Grande Bay fishing legislation

❑ ***Scale:*** regional (2 municipalities; islands in the Ilha Grande Bay)

❑ ***Current state:***

(i) The legislation review is at a standstill

❑ ***Leading organization:*** Chico Mendes Institute for Biodiversity Conservation (*ICMBio*)

❑ ***Partnerships:*** Government (municipal and federal)

❑ ***Knowledge:*** technical and scientific

❑ ***Meetings observed:*** 5 (2010); Consultive Council of the ESEC Tamoios and Fishery legislation review.

KEY FISHERIES STAKEHOLDERS

federal

regional
(more than 1 state)

state

BIG

regional

municipal

local



KEY FISHERIES STAKEHOLDERS

federal

Fishing boats
from Ubatuba

regional
(more than 1 state)

state

Fishing boats
from A. Reis

BIG

regional

municipal

Community
and
Paraty
fishers

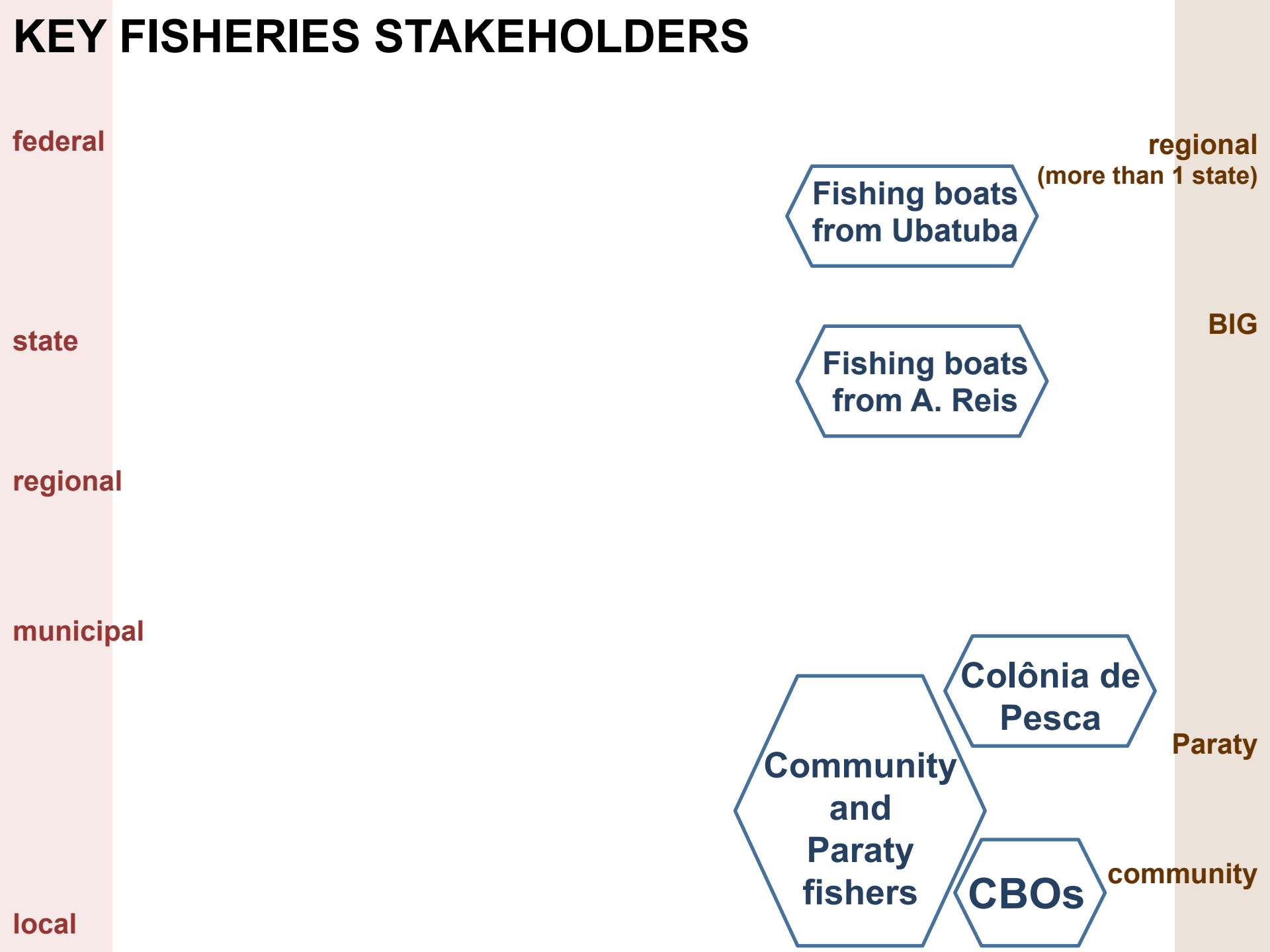
Colônia de
Pesca

Paraty

local

CBOs

community



KEY FISHERIES STAKEHOLDERS

federal

I
C
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M
P
A

I
B
A
M
A

F
I
P
E
R
J

state

regional

municipal

local

City
councilman

Municipal
Bureau of
Fisheries

Fishing boats
from Ubatuba

Fishing boats
from A. Reis

Community
and
Paraty
fishers

Colônia de
Pesca

CBOs

regional
(more than 1 state)

BIG

Paraty

community

KEY FISHERIES STAKEHOLDERS

federal

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M
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F
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R
J

UNICAMP

UFRJ

Fishing boats
from Ubatuba

regional
(more than 1 state)

state

Fishing boats
from A. Reis

BIG

regional

municipal

City
councilman

Municipal
Bureau of
Fisheries

Community
and
Paraty
fishers

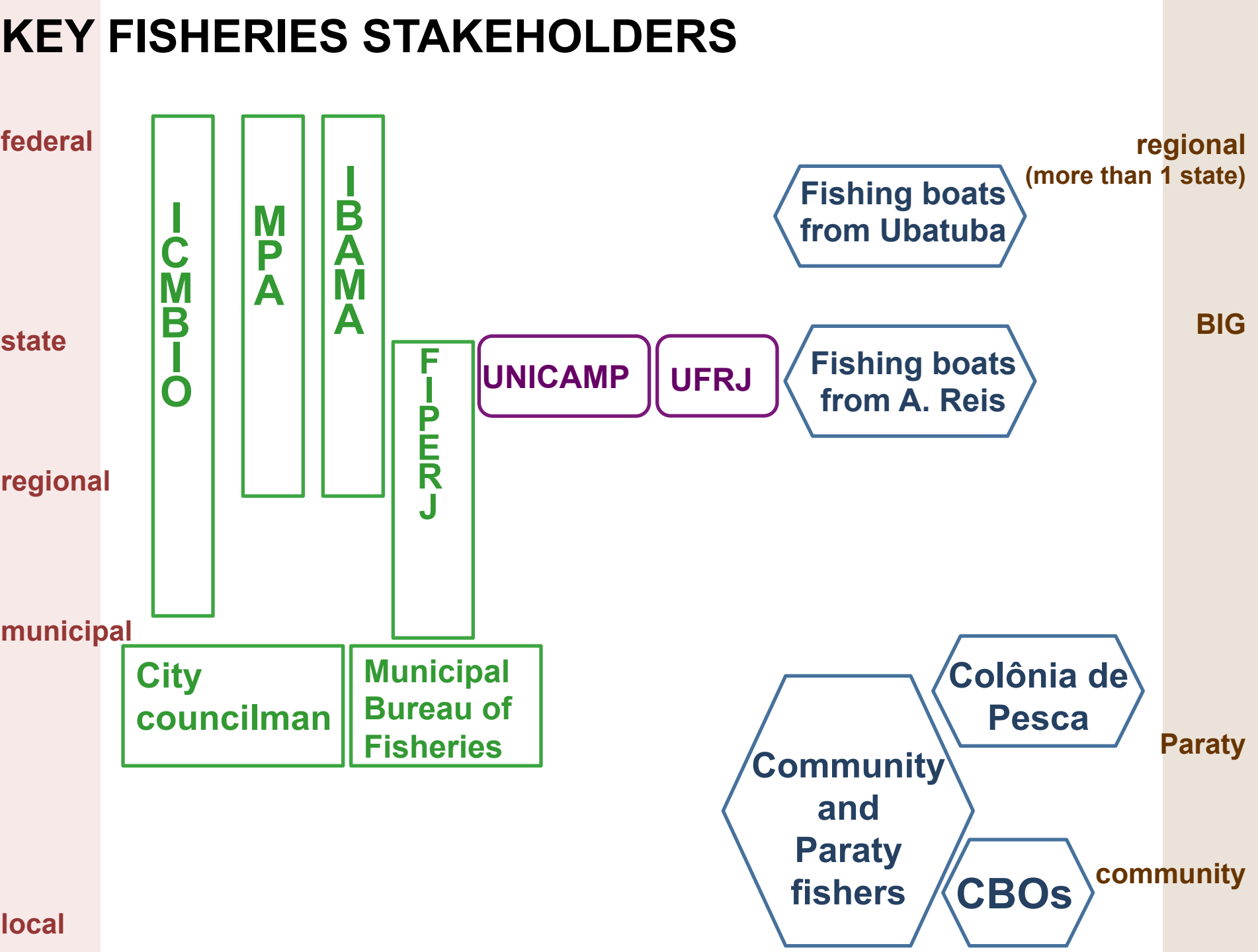
Colônia de
Pesca

Paraty

local

CBOs

community



KEY FISHERIES STAKEHOLDERS

federal

ICMBO

MPA

IBAMA

FIPERJ

UNICAMP

UFRJ

Fishing boats from Ubatuba

regional
(more than 1 state)

state

Fishing boats from A. Reis

BIG

regional

Cunhambebe

municipal

Verde Cidadania

City councilman

Municipal Bureau of Fisheries

Paraty

local

Cairuçu

Community and Paraty fishers

Colônia de Pesca

CBOs

community

KEY FISHERIES STAKEHOLDERS

federal

ICMBO

MPA

IBAMA

FIPERJ

Oil group

Fishing boats from Ubatuba

regional
(more than 1 state)

state

UNICAMP

UFRJ

Fishing boats from A. Reis

BIG

regional

Tourims groups

Cunhambebe

municipal

City councilman

Municipal Bureau of Fisheries

Verde Cidadania

Middlemen

Colônia de Pesca

Paraty

local

Cairuçu

Community and Paraty fishers

CBOs

community

LEADERSHIP IN MANAGEMENT PROCESSES

federal

ICMBIO

MPA

IBAMA

Oil group

Fishing boats from Ubatuba

regional
(more than 1 state)

state

FIPERJ

UNICAMP

UFRJ

Fishing boats from A. Reis

BIG

regional

Tourims groups

Cunhambebe

municipal

City councilman

Municipal Bureau of Fisheries

Middlemen

Colônia de Pesca

Paraty

local

Cairuçu

Community and Paraty fishers

CBOs

community

POTENTIAL PARTNERSHIPS

federal

state

regional

municipal

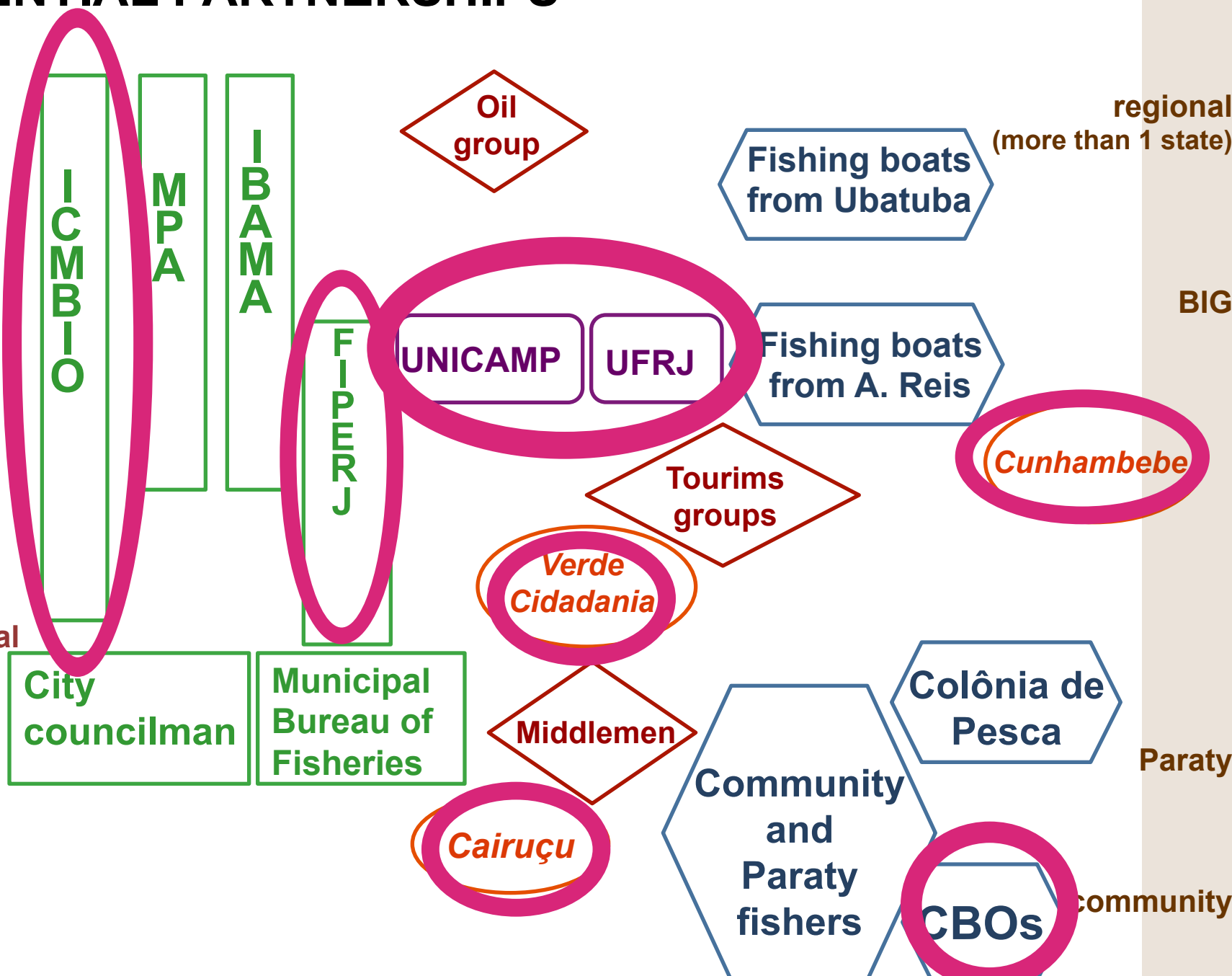
local

regional
(more than 1 state)

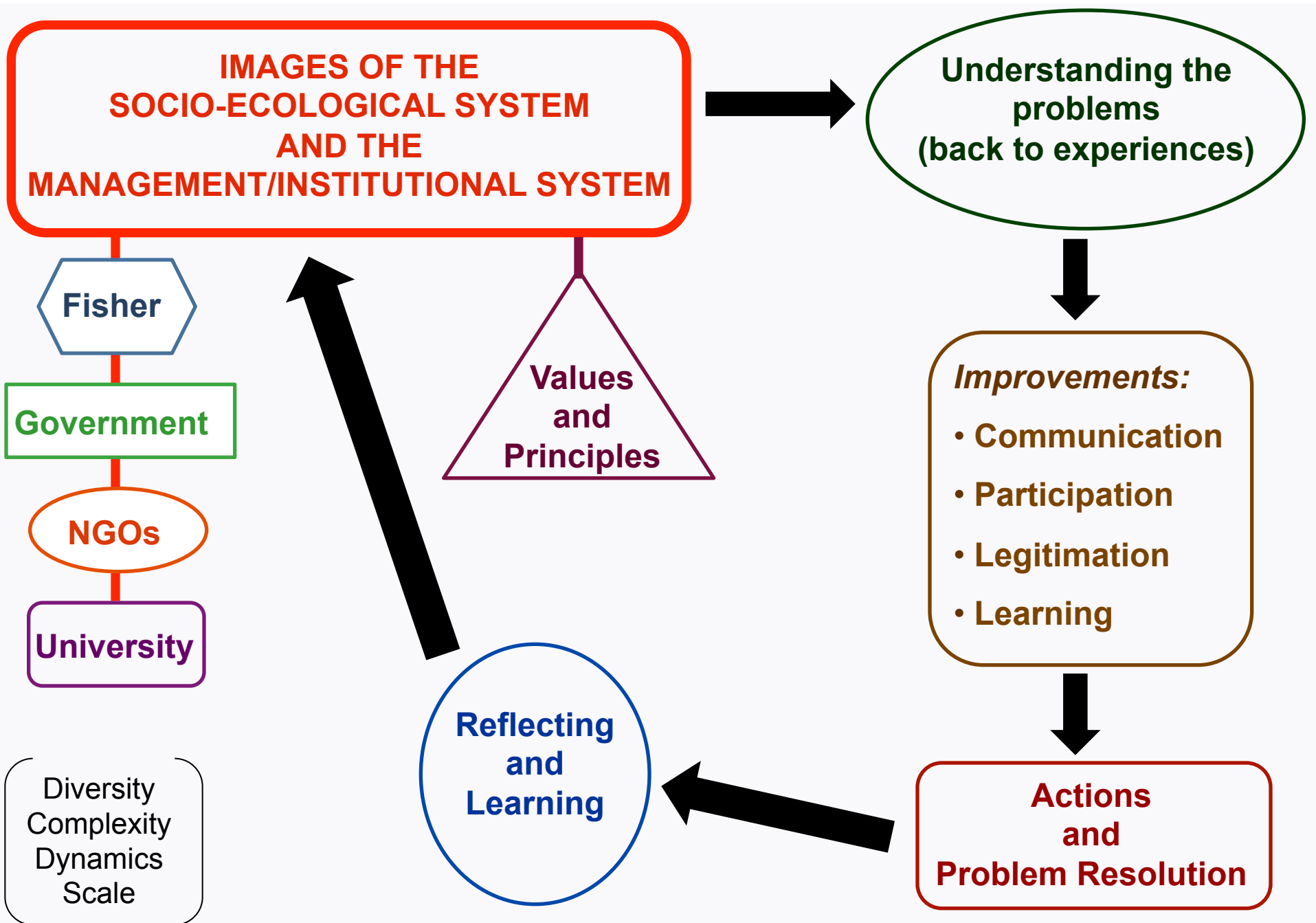
BIG

Paraty

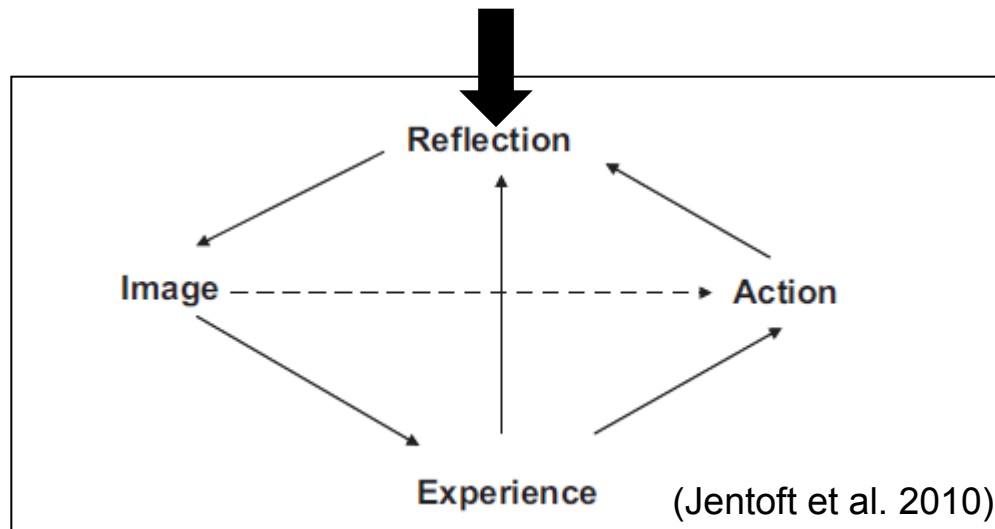
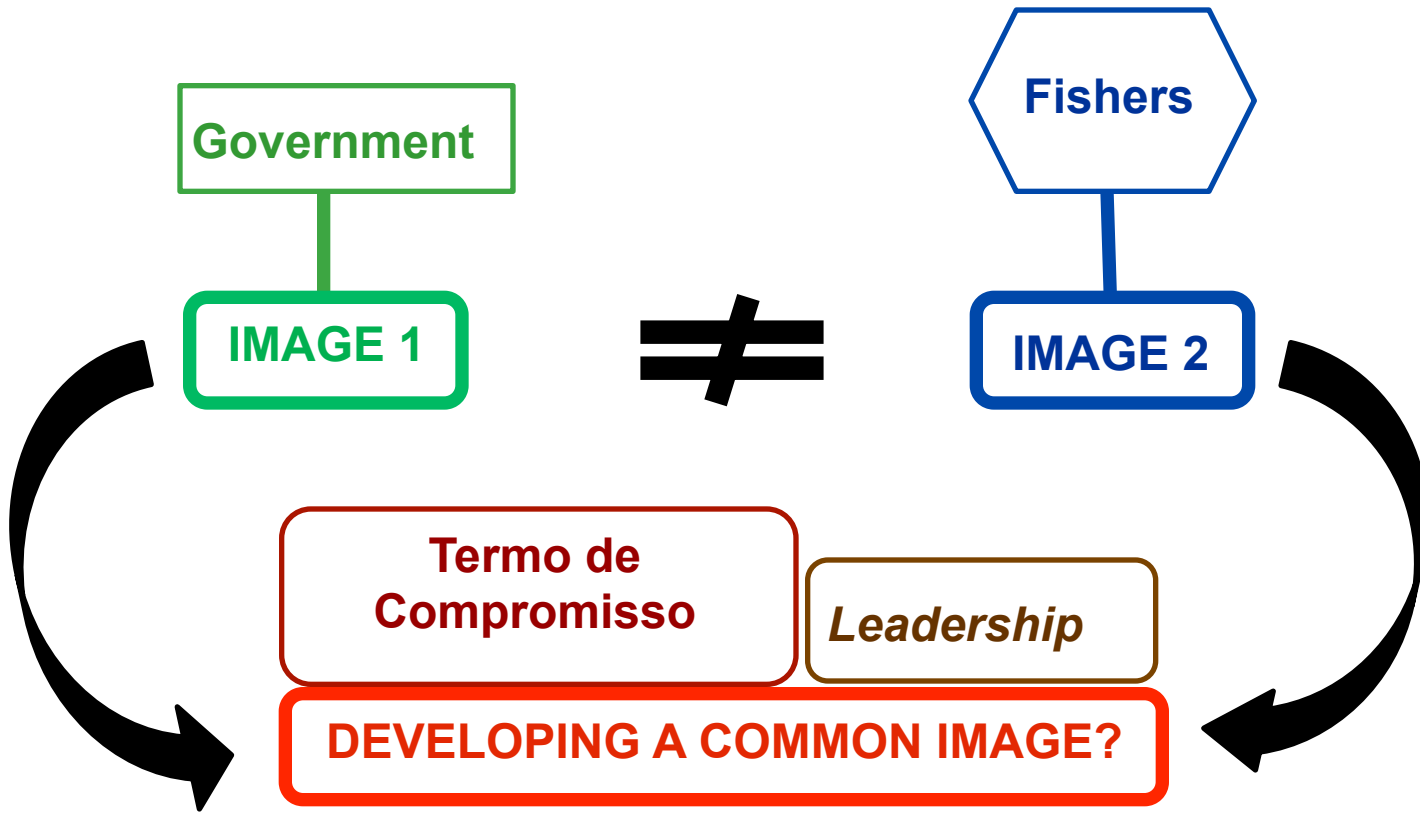
community



DEVELOPING IMAGES ABOUT FISHERIES GOVERNANCE



OPPORTUNITY FOR CO-MANAGEMENT – A NEW IMAGE?



NURTURING PARTICIPATIVE MANAGEMENT

MOVING FORWARD

- ❖ SENSIBILIZATION FOR THE PROBLEM
- ❖ CAPACITY BUILDING IN LEARNING PROCESSES
- ❖ DEVELOPMENT OF PARTNERSHIPS
- ❖ DEVELOPMENT OF COMMON IMAGES
- ❖ DEVELOPMENT OF RESEARCHERS AS FACILITATORS

“Believing is essential to learning” (Jentoft et al 2010: 1316)



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