



Understanding Institutional Arrangements within French Nature Reserve system:

Looking for Integrated Conservation and Development Achievements

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S02: Conservation and the sense of belonging in nature: a Reflection on the proper place of humans in nature



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Introduction

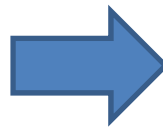


Human – nature relationship : Paradigmatic evolution

- From segregative to integrative models
- Evolution of scientific concepts
- Evolution of tools



Wilderness and « nature sous cloche »
Segregative and rigid model



Integrated conservation
Adaptative and integrative model

French Nature Reserves (NR) : what is it?

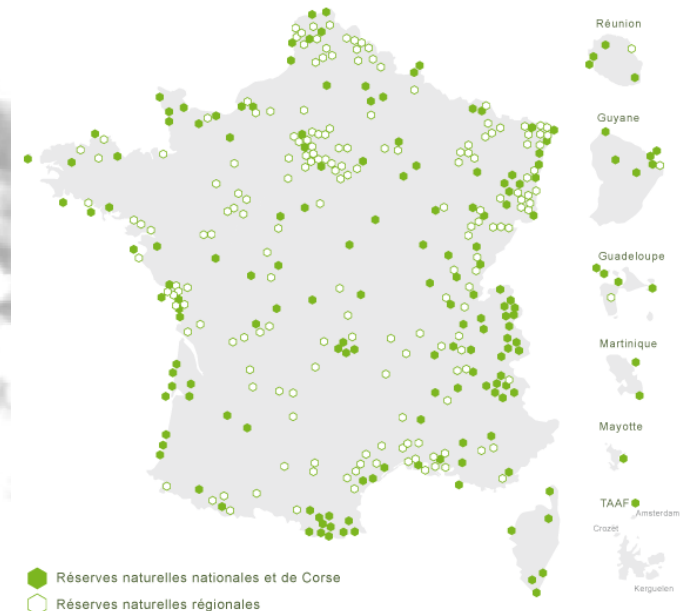
- One of the main regulatory tool for France's policy to nature protection

- 266 NR in May 2012 > 2 853 126 ha

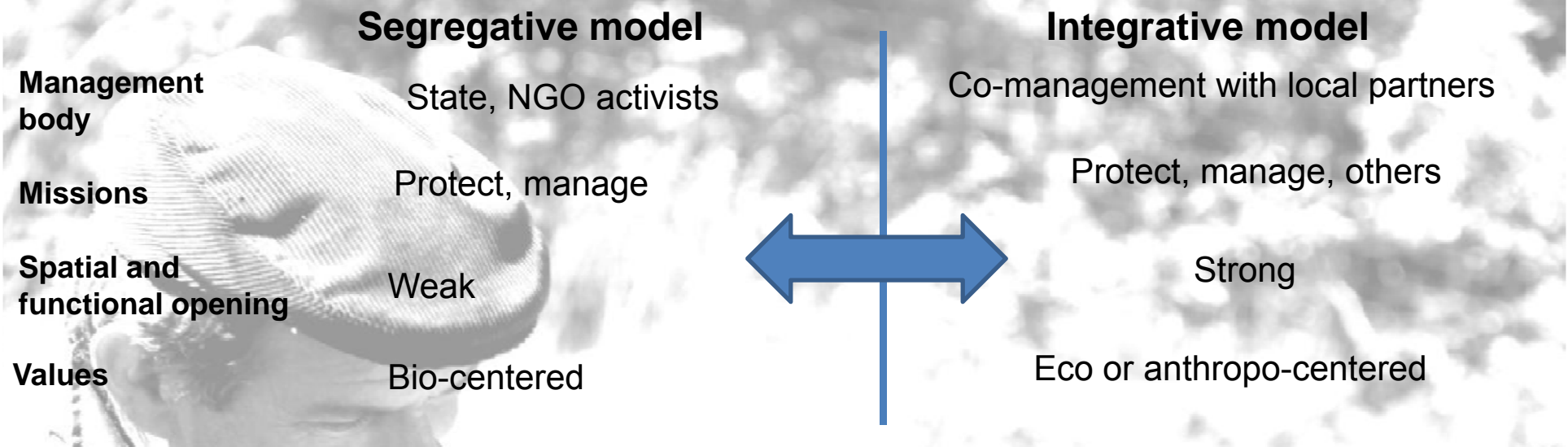
- **Diversity** : general characteristics, governance system, rules, practices, evolution through time and space, etc.

- **Main components**

- 1) Delimited space
- 2) Regulatory framework > Rules
- 3) Management Body(s) designated by the supervision authority
- 4) Human and financial means
- 5) Missions as defined by the state : protect and manage natural heritage



Problematic : NR, from segregative to integrative projects



➔ Ability of NRs institutions to legitimize, represent and support integrated conservation projects?

- NR institutions : **What is the integration of diverse actors / values / norms?**
- NR institutions : **What are factors can explain their ability to develop integrated conservation projects?**
- NR institutions : **What kind of process, transitions and trajectories?**

Attention to governance sub-system...

Material and methods



10 case studies

- « Exemplary » nature of the study cases
- Representative diversity of the national network
- Diverse local settings and stakes
- ~ 200 interviews



Results

- 1) Integration of local actors in NR system**
- 2) Ex-situ functions**
- 3) Institutions trajectories**



In situ : integration of various actors

Human activities in the NR	NR1		NR2		NR3		NR4		NR5		NR6		NR7		NR8		NR9		NR10	
	PR	GV	PR	GV	PR	GV	PR	GV	PR	GV	PR	GV	PR	GV	PR	GV	PR	GV	PR	GV
Farming	4										3		1		2					
Hunting / Fishing	5						3		1				2		4					
Management body(s)																				
Constitutional opening to local actors			-				=						+							
Operational opening to local actors			+				=						-							



• Diversity of integration levels

✓ **Practice** : *Exclusion > Internalization > Contractualization > Rules in use > Encouragement and support*

✓ **Governance** : *Exclusion > Consultation > Delegation > Co-management*

✓ **In the opening of the management body:**
Constitutional and operational integration of actors in decision-making process

✓ **Variation in time**

• Gaps

✓ **Between users**

✓ **Practice // Governance**

✓ **In a given sector :**
practitioners > technicians > politics

Ex-situ actions

Ex-situ
functions

	NR1	NR2	NR3	NR4	NR5	NR6	NR7	NR8	NR9	NR10
Nature conservation	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Light Green	Light Green
Other functions	Blue	Green	Blue	Blue	Blue	Yellow	Yellow	Yellow	Light Green	Dark Green

• Context

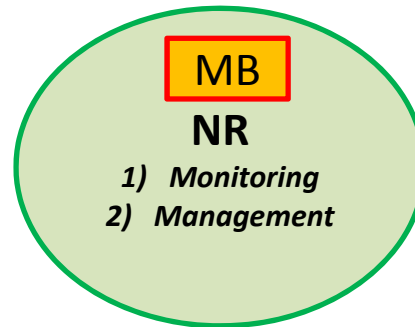
- ✓ **Ex-situ actions observed** (both spatially & functionally)
 - ✓ **Management body:** local structures, delegation principle
1. Pre-existent body : missions = NR + other pre-existent missions
 2. Body created for RN management : missions = NR

• Questions

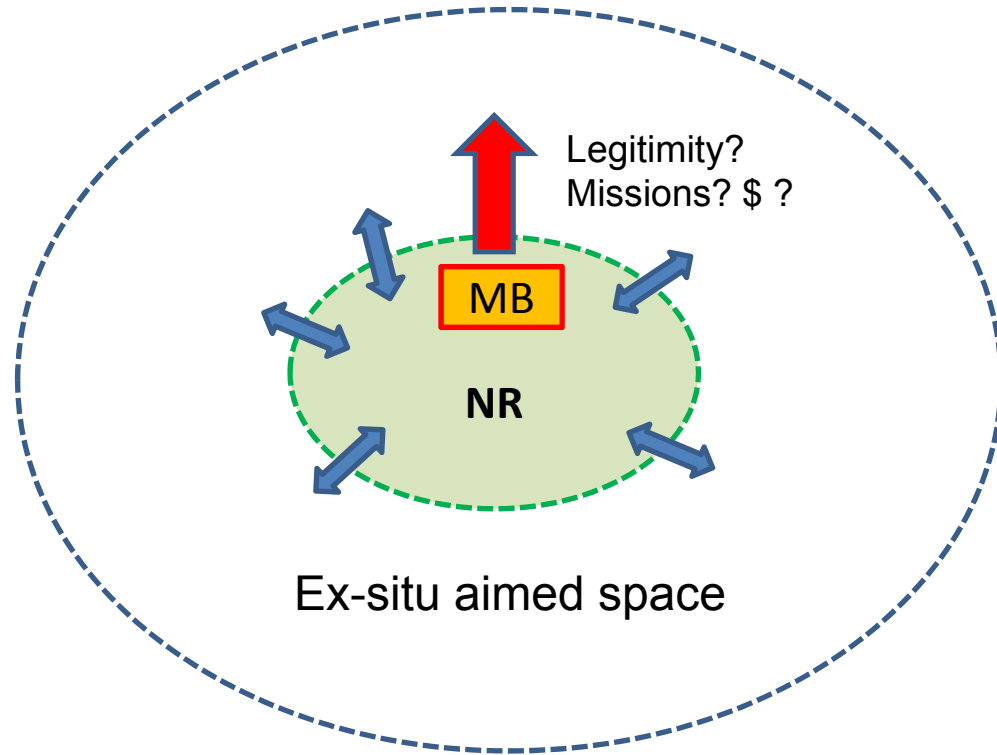
- ✓ **Legitimacy for ex-situ functions** (both spatially & functionally)?
 - ✓ Institutional arrangements and governance system evolution as responses?
1. Previous ability to work beyond NR boundaries (at least spatially)
 2. **Necessity of institution evolution**

Ex-situ actions : example of institution evolution 1

2 NR limited by the type of the Management Body (MB) : NR7 & NR8



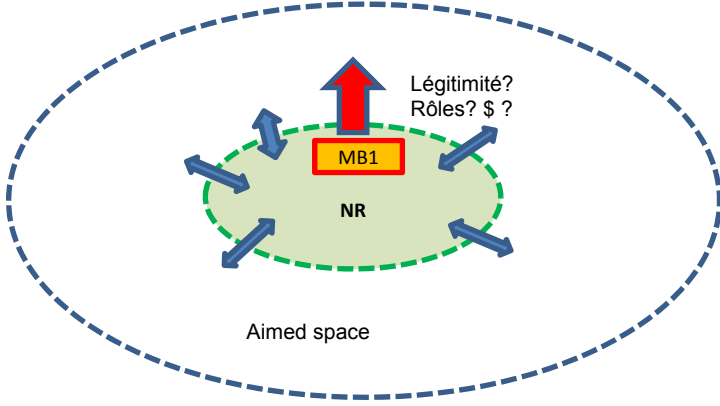
Ex-situ actions : example of institution evolution (2)



↔ Perceived interdependancies

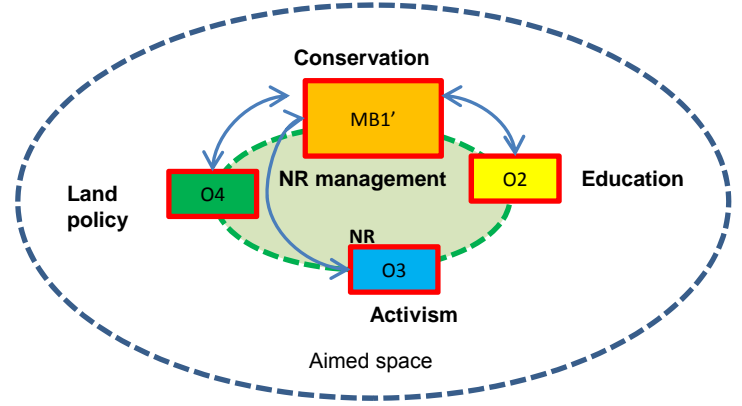
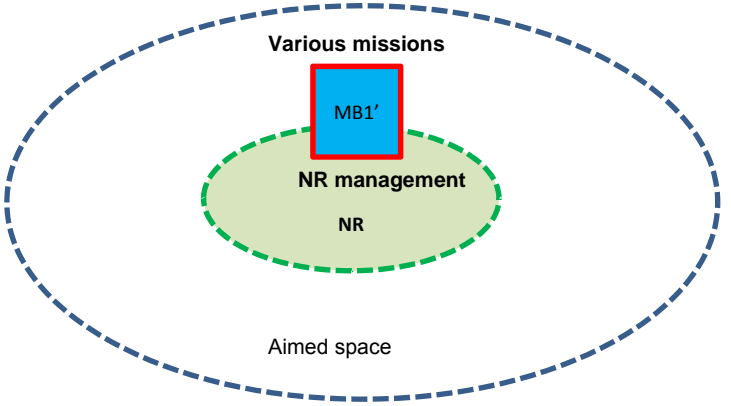
Ex-situ actions : example of institution evolution

NR8
Change the type of the MB



NR7

Multiplication of organizations



+ : ↗ Space; ↗ Missions; ↗ \$ possibilities

- : Roles conflict?

+ : ↘ Roles' conflicts
- : ↘ Lisibility?

Explain integration levels? Main factors

Local  Global

Individual level

Values, perceived interdependency levels, mental models, etc.

Collective level

Leadership, social capital, power relationships, structure of the network, etc.

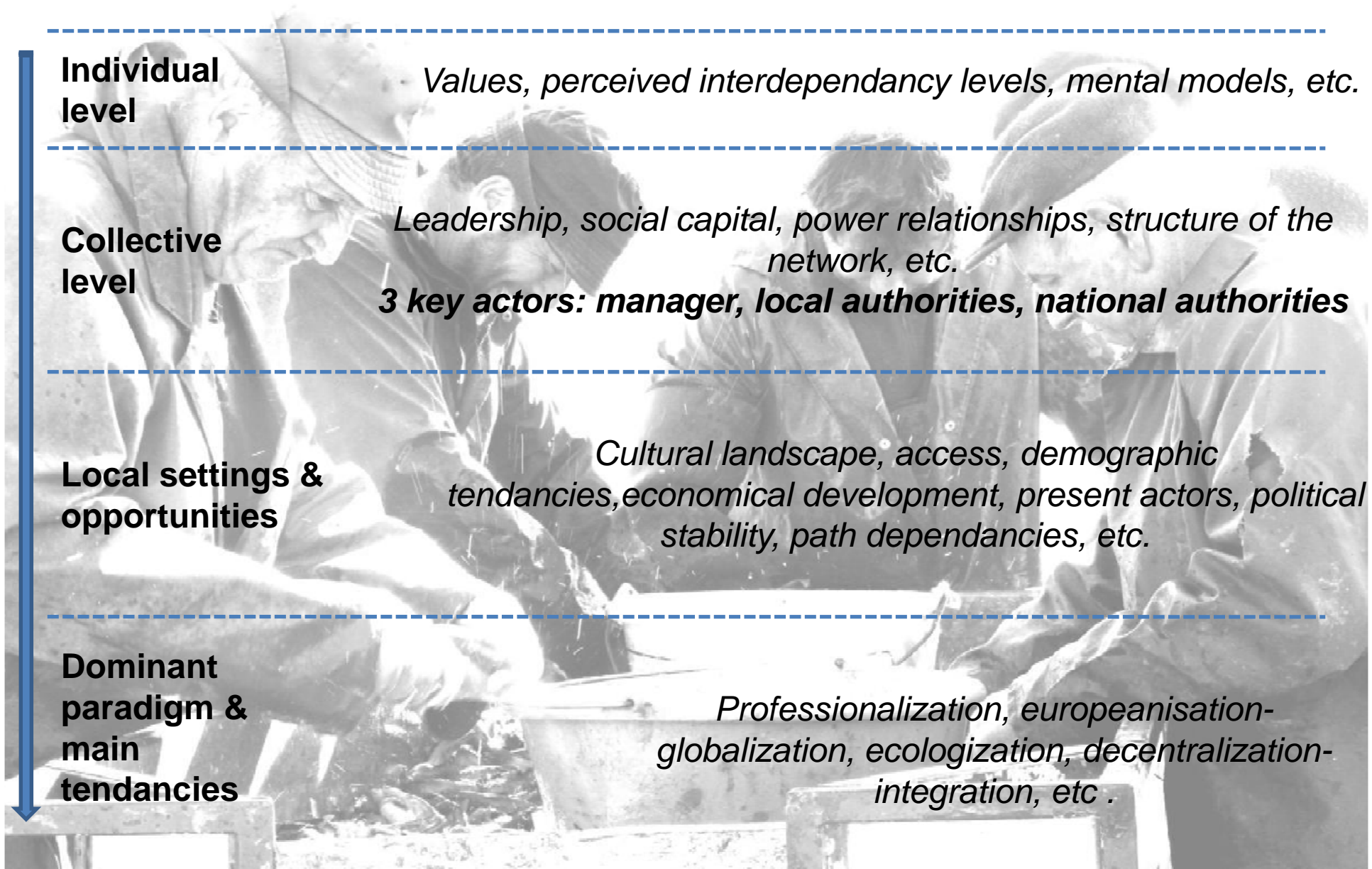
3 key actors: manager, local authorities, national authorities

Local settings & opportunities

Cultural landscape, access, demographic tendencies, economical development, present actors, political stability, path dependancies, etc.

Dominant paradigm & main tendencies

Professionalization, europeanisation-globalization, ecologization, decentralization-integration, etc .



Conclusion



The sense of belonging : place of humans in nature?

Multiple belongings

Individual → Collective → Territorial → Societal

NR → Local → Regional → Global



Place of humans in nature (NR)



Place of nature (NR) in cultural landscapes



Thanks for your attention!

