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# GOVERNANCE FOR THE SUSTAINABLE DEVELOPMENT

## - *Sport Management of Natural Protected Areas in Catalonia* -

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Sustainability

Outdoor sports & recreation

Malniu Lake  
© Ignasi Vallvé

# Initial problem

Sustainability

Outdoor sports & recreation



Difficulties in the management of natural areas  
Diversity of interests: *stakeholders*



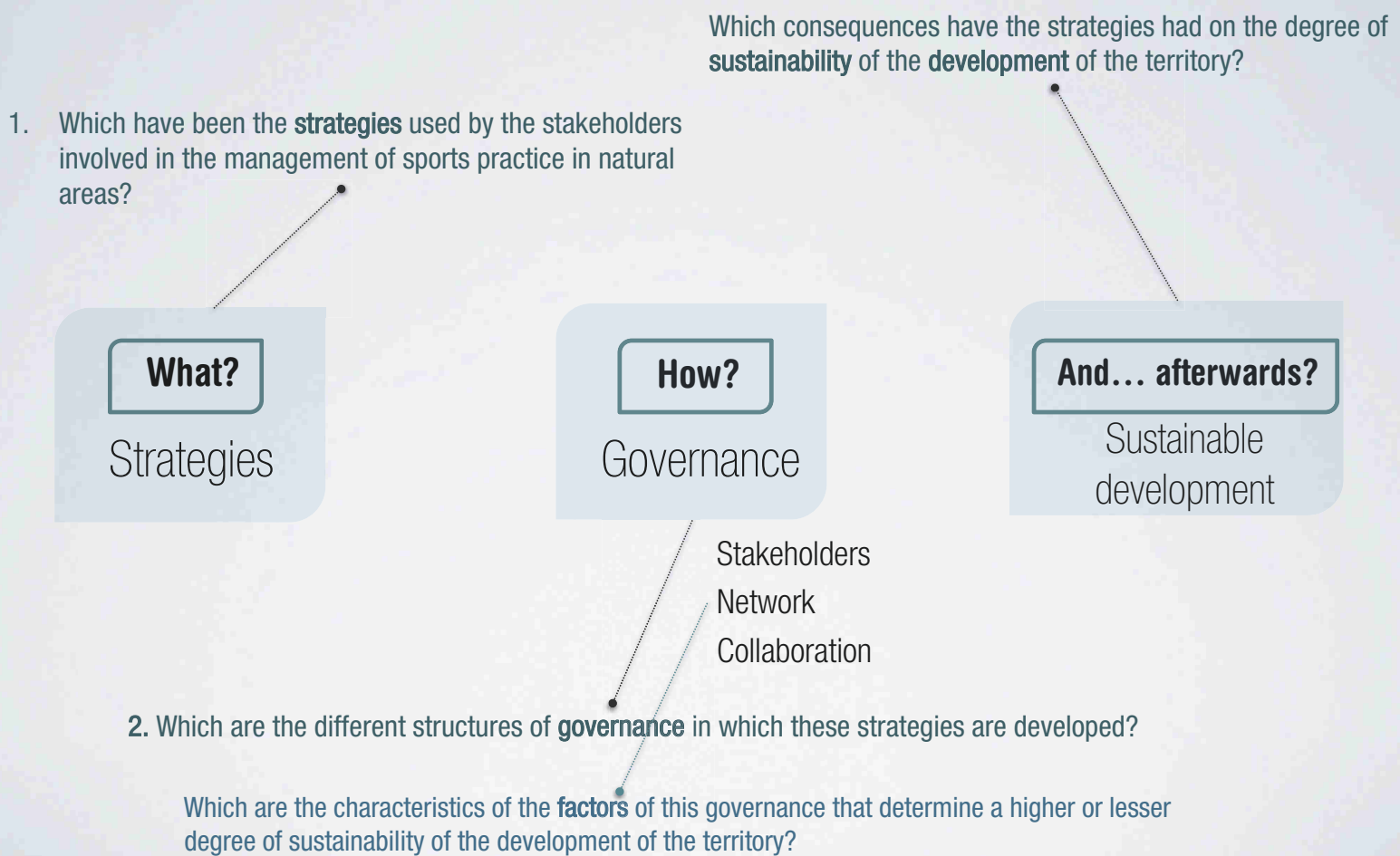
Strategies for the sports management of natural areas towards sustainable development

**What?**

**How?**

**And...afterwards?**

# Research questions



# Structure of the presentation

- Contributions of the research •

**Theoretical framework**

**Methodological framework**

**Real concrete data**

**Proposals**

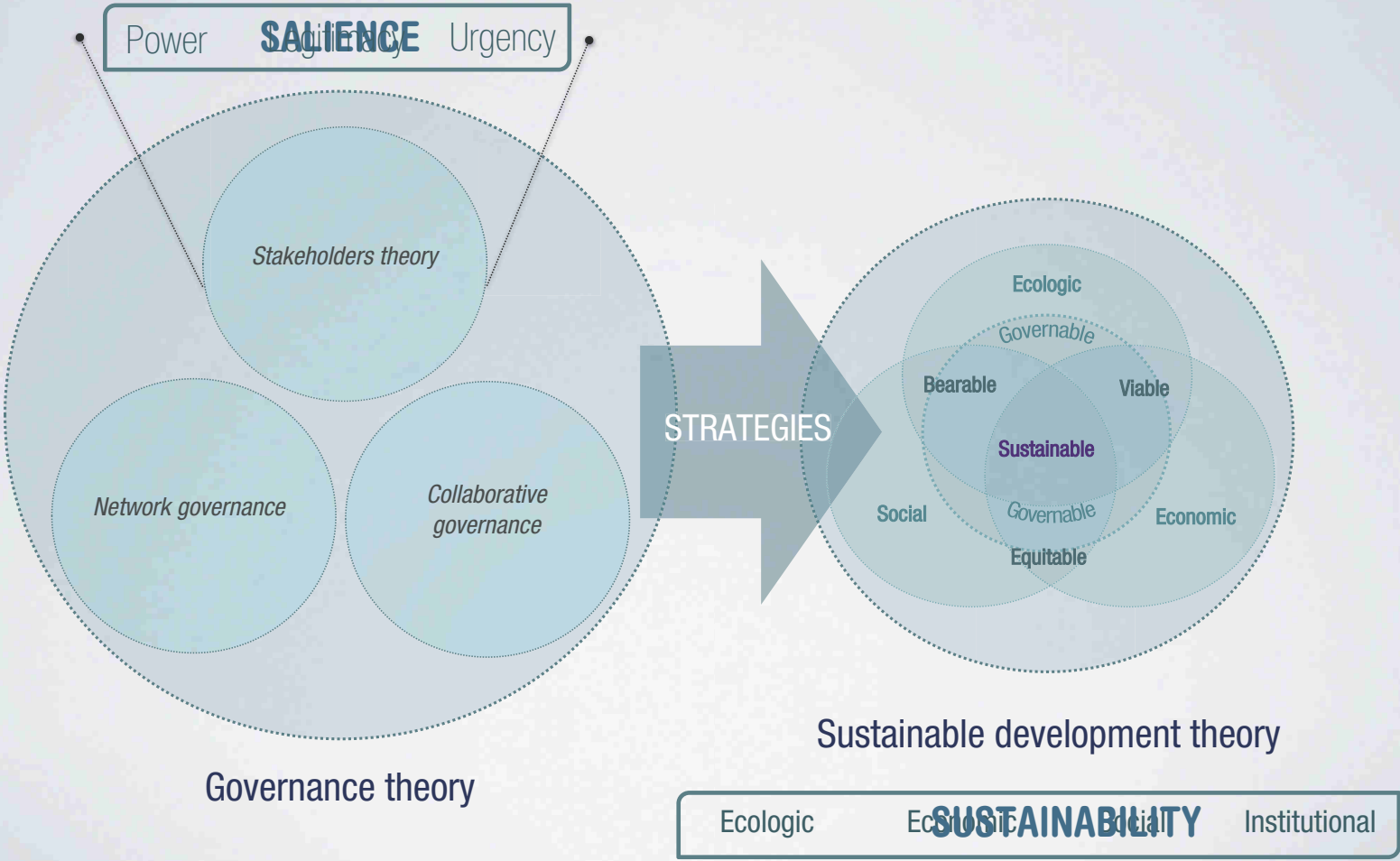
2. Theoretical perspective

3. Methodology

4. Results

5. Conclusions

# Framework



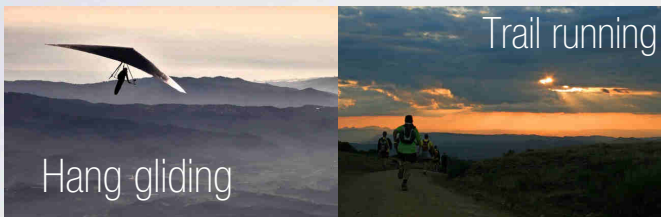


# Sample

| 1. Introduction | 2. Theoretical perspective | **3. Methodology** | 4. Results | 5. Conclusions |

4 natural protected areas  
8 conflict situations

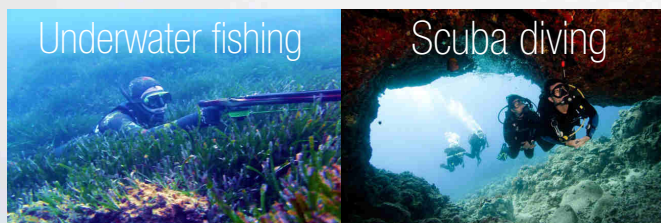
## MONTSENY NATURAL PARK



## GARRAF PARK



## MONTGRÍ, MEDES ISLANDS NATURAL PARK



## EMPORDÀ WETLANDS NATURAL PARK



# Method

| 1. Introduction | 2. Theoretical perspective | **3. Methodology** | 4. Results | 5. Conclusions |

## Qualitative interview

Key stakeholders

35  
interviews

1h 12'  
Average

## Content analysis

Internal / external documentation

Transcriptions of interviews

Software *QSR Nvivo 8.0*®



# Indices of indicators

## Salience index

Balance in the salience of *stakeholders* with opposed interests

## Collaborative network index

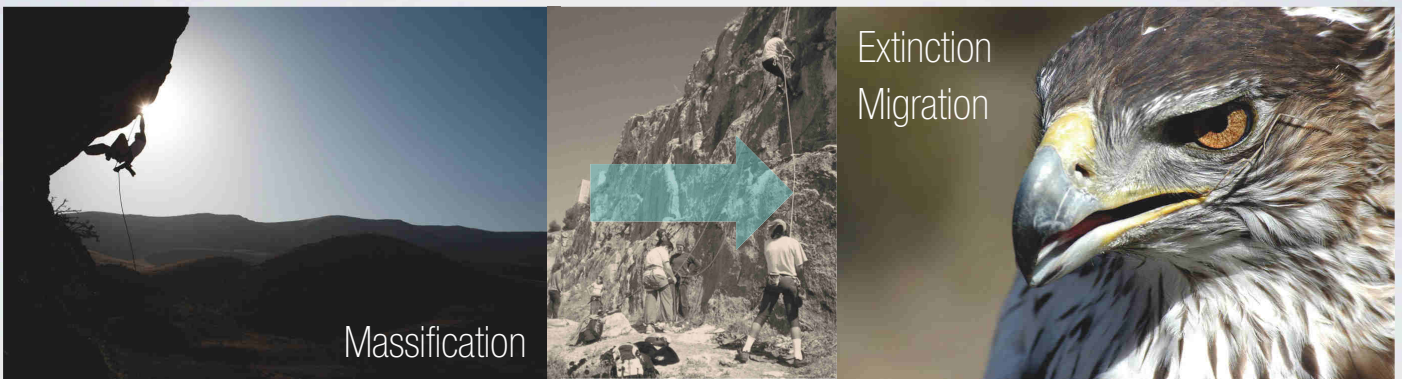
Degree of relations / collaboration

## Sustainability index

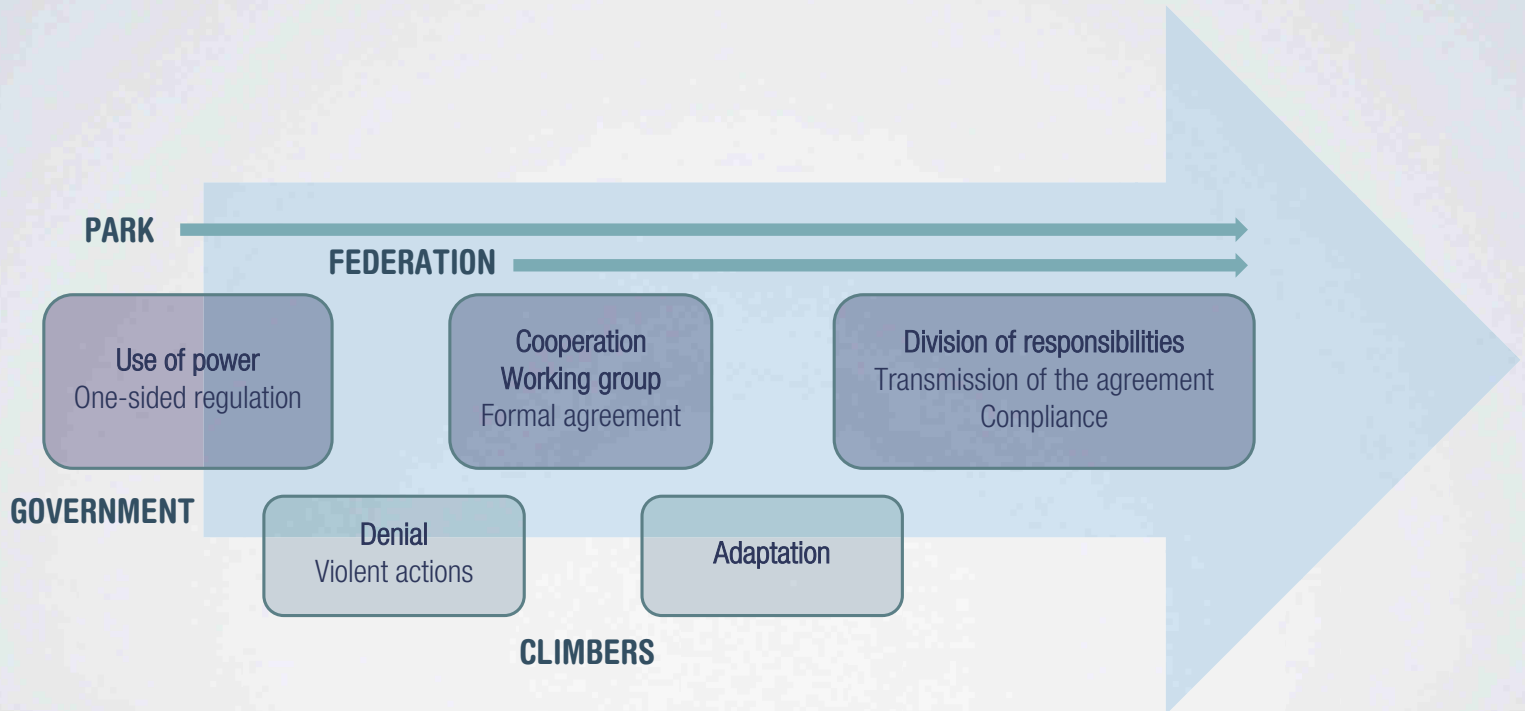
Effects on the development

## Process of analysis. Climbing

- Difficulties of cohabitation: birds of prey & climbers •

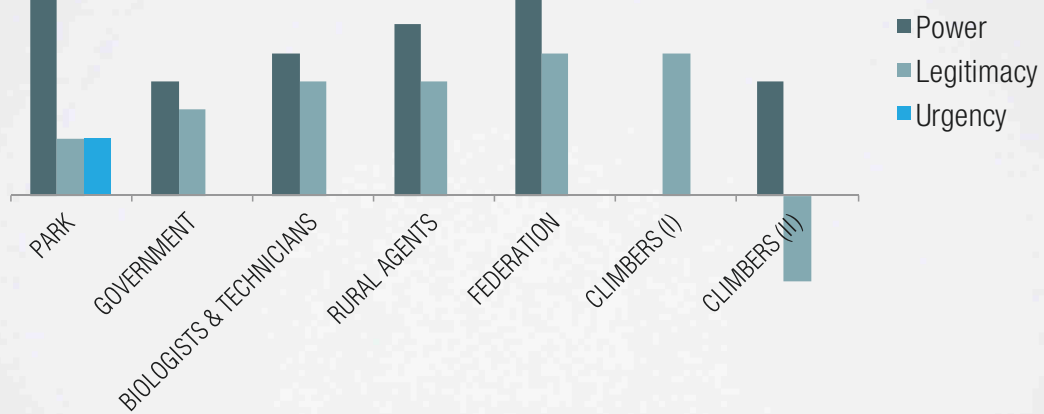


# Process of analysis. Climbing Strategies



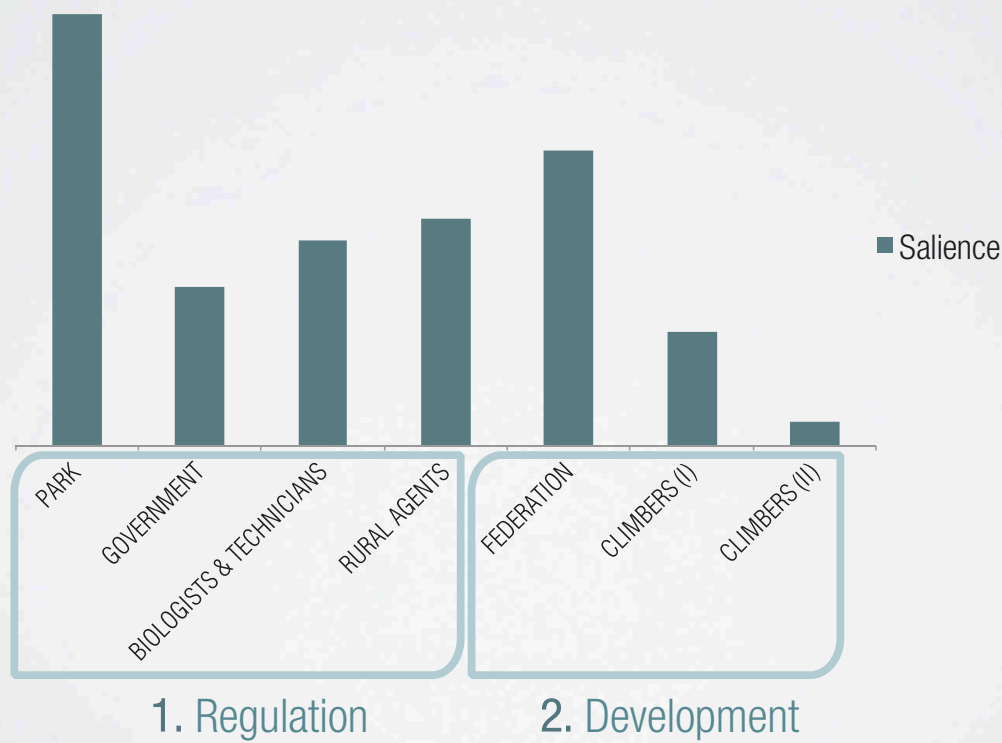
## Process of analysis. Climbing

### Salience index



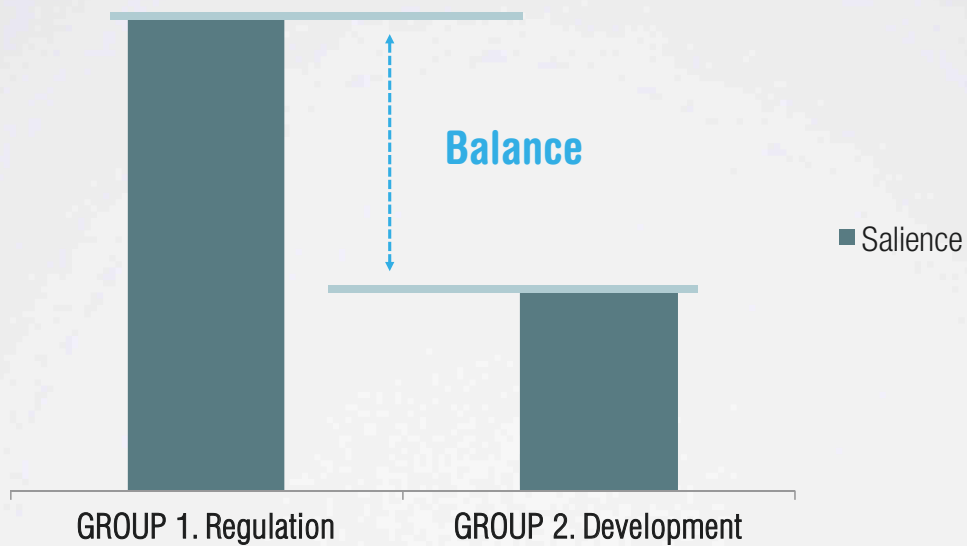
## Process of analysis. Climbing

Saliency index



## Process of analysis. Climbing

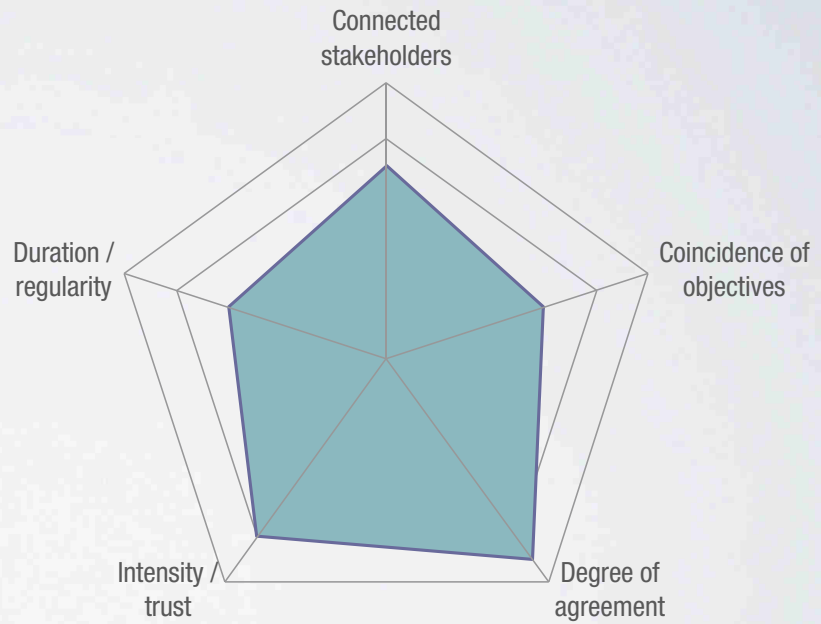
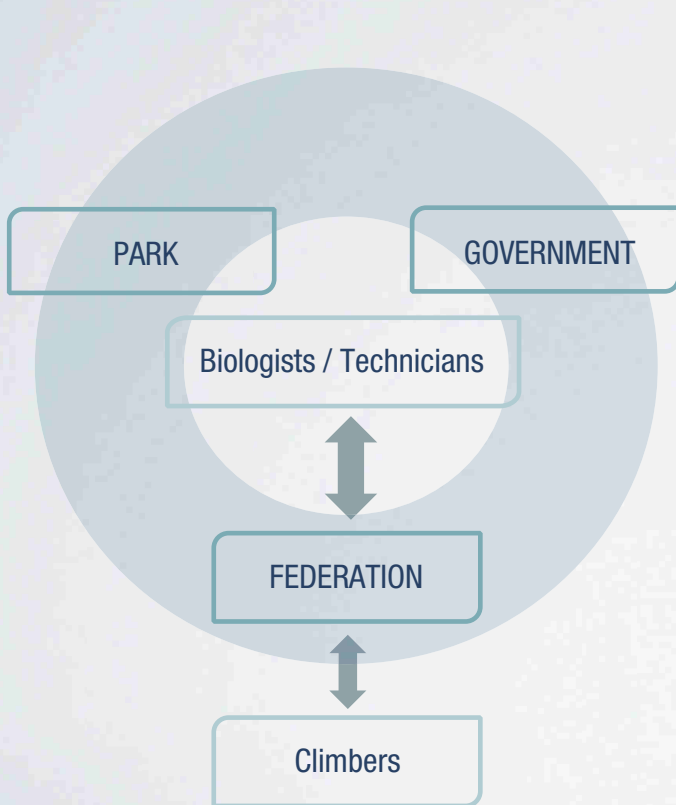
Salience index



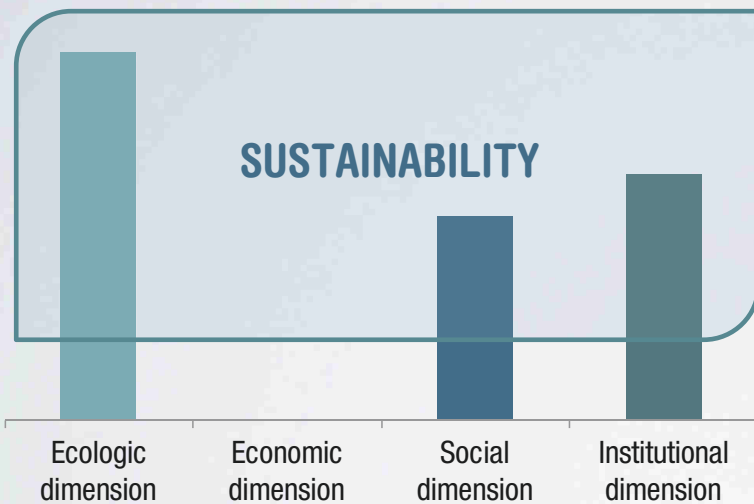


## Process of analysis. Climbing

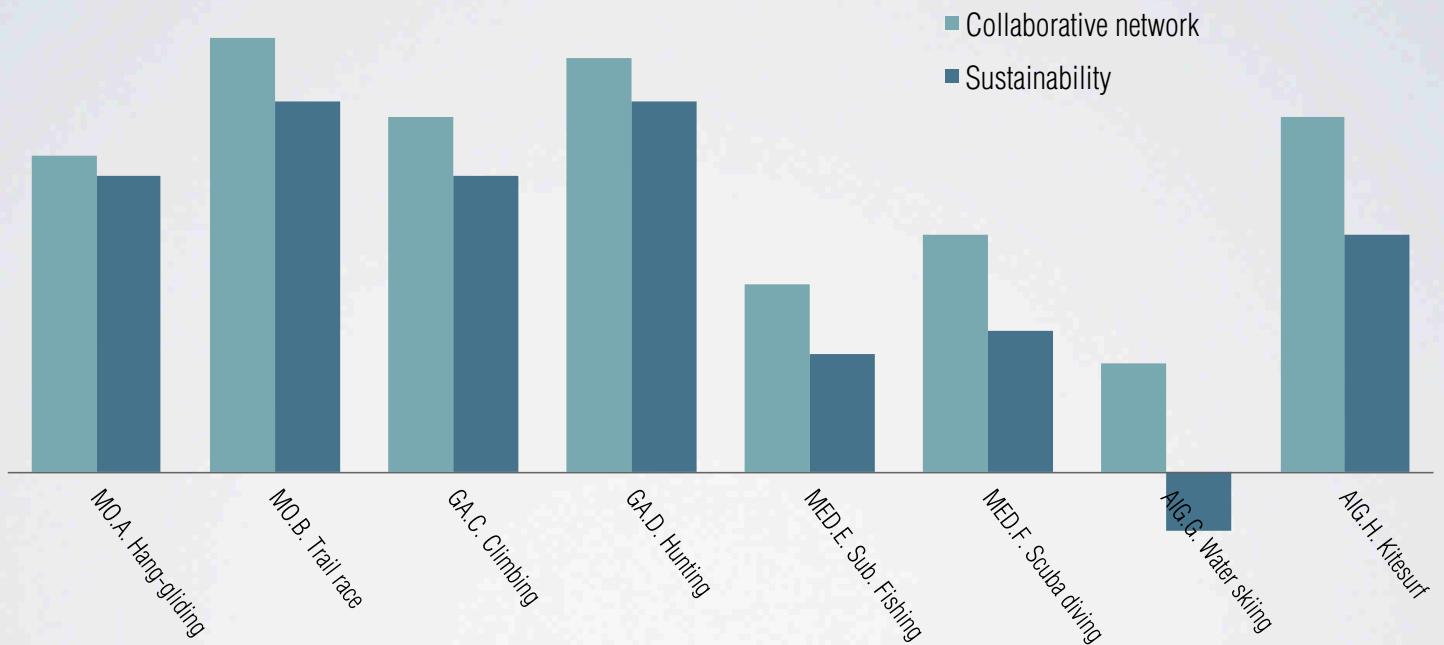
### Collaborative network index



# Process of analysis. Climbing Sustainability index

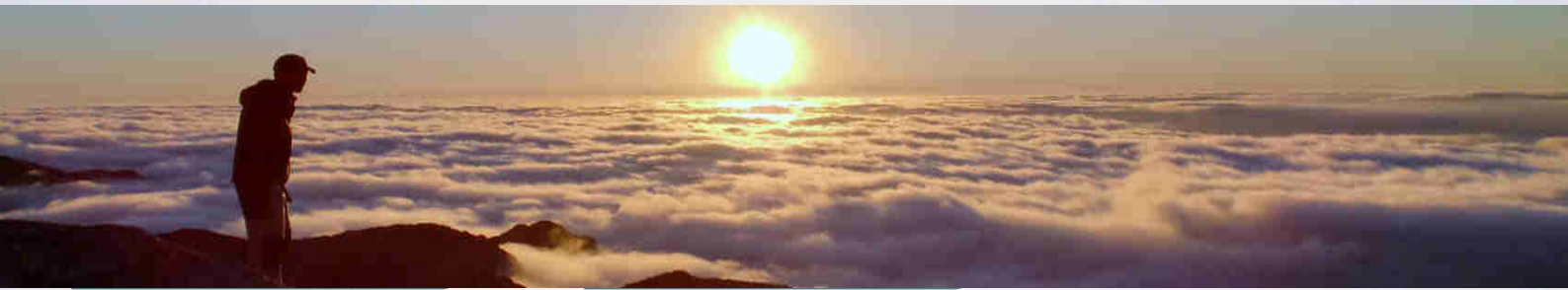


## Highlights of results



| 1. Introduction | 2. Theoretical perspective | 3. Methodology | 4. Results | **5. Conclusions** |

# Steps for a more sustainable management



# Steps for a more sustainable management

## 1 **Diagnosis**

Analysis of the situation

Context

Stakeholders

Network

## 2 **Intervention**

## 3 **Evaluation**

# Steps for a more sustainable management

## 1 Diagnosis

Application of recommended strategies

Collaborative  
network

Agreement

Commitment

## 2 Intervention

Proposals of intervention

- Regulation      Zonation      Timing      Carrying capacity
- Information. Ecobriefing
- Shared responsibility

## 3 Evaluation



# Steps for a more sustainable management

**1** **Diagnosis**

Achievement of objectives ?

**2** **Intervention**

Keeping

Adapting

**3** **Evaluation**



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# SUSTAINABLE RECREATION

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