

Session S8a: Ecosystem services for nature conservation and protected areas

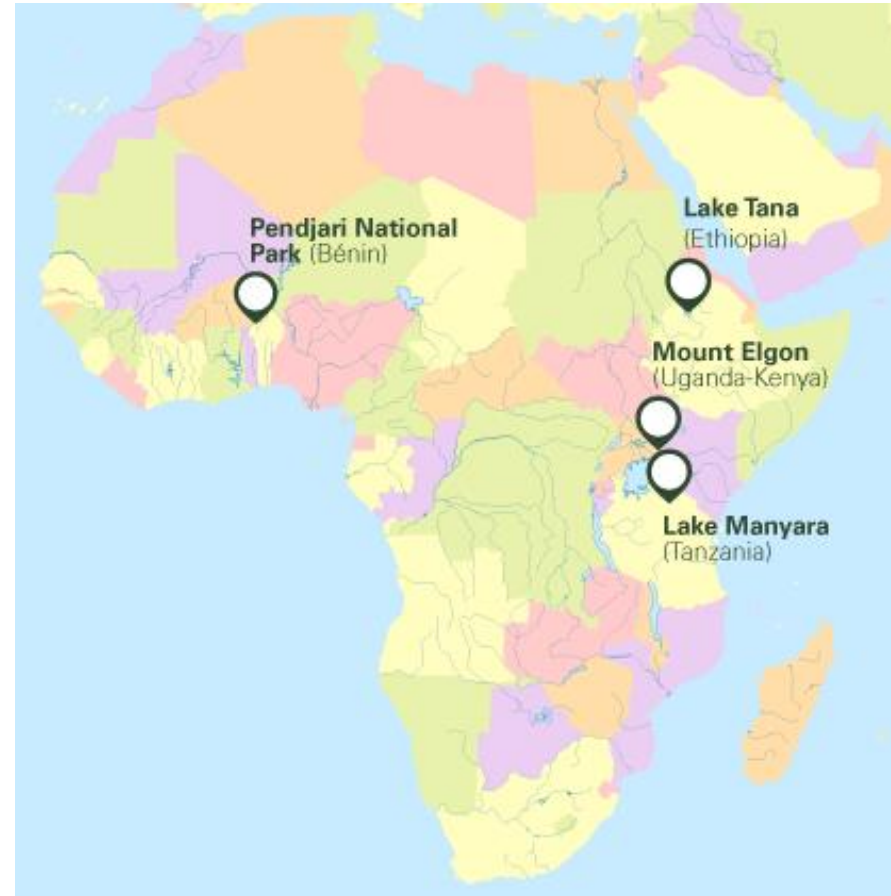
Participatory methods, perceptions and values: Applying the TESSA tool and Q in African Biosphere reserves

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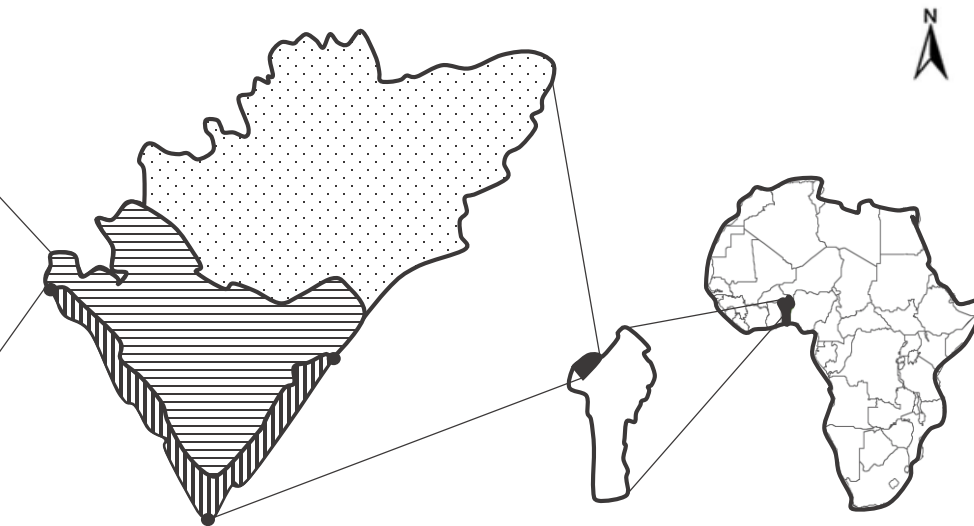
EVAMAB = “Economic valuation of ecosystem services in Man and Biosphere reserves”



Case Study: Pendjari National Park, Benin






Pendjari River © Gregor Rom

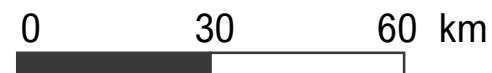


Pendjari National Park

Benin

West Africa

-  Core Zone
-  Buffer Zone
-  Agricultural zone



Public sector

Government



Private sector

Business

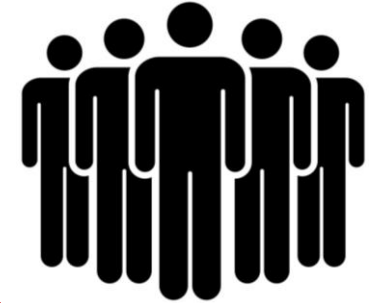


Civil society



People

Community



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CENAGREF

Centre National de Gestion des Réserves de Faune

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AVIGREF

Associations Villageoises de Gestion des Réserves de Faune

Participatory management

Public sector

Government



Private sector

Business

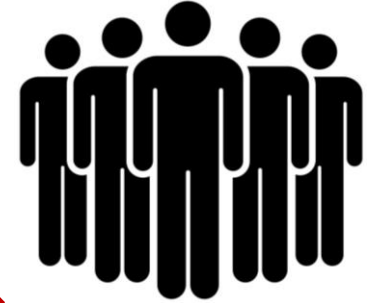


Civil society



People

Community



\$\$

Mandate

\$\$\$\$



APN

African Parks Network NGO



AVIGREF

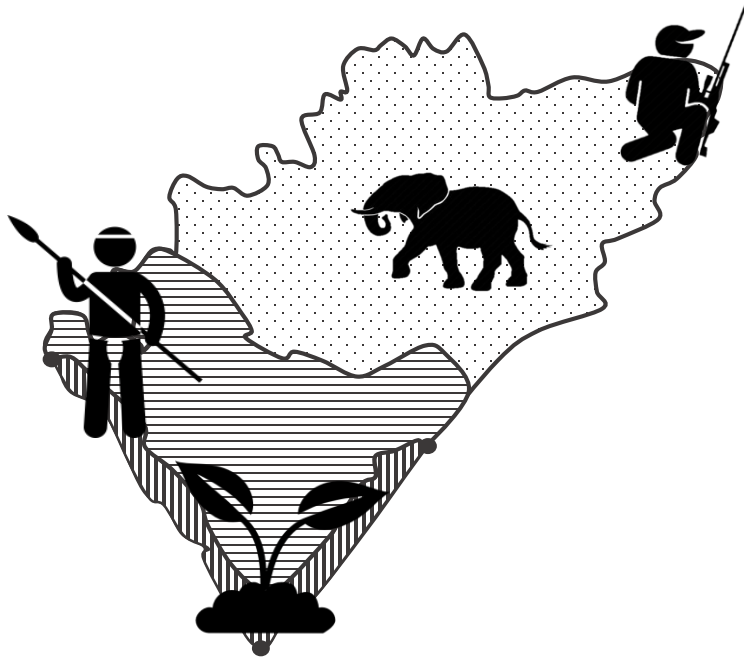
Associations Villageoises de
Gestion des Réserves de Faune

Public-Private Partnership

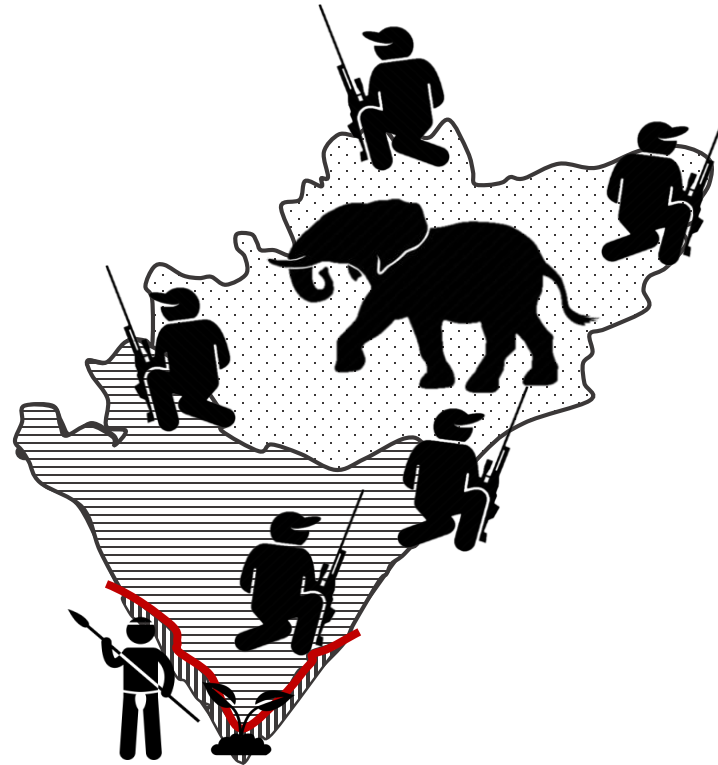
Changes

2017

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- Increased budget
- International NGO
- Decreased agricultural zone
- Fence to protect against human-wildlife conflict
- More and trained ecoguards against poaching

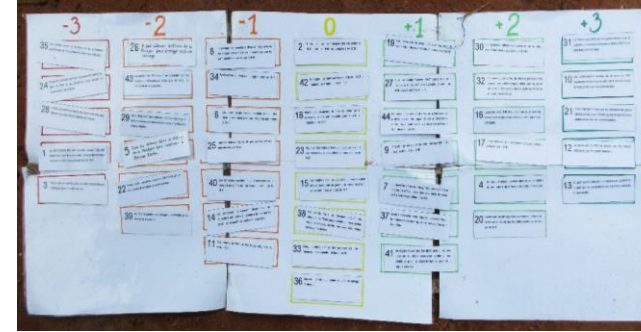
TESSA-NGT-Hybrid



- Group per stakeholder (~gender, age and job)
- Mix of NGT and TESSA preliminary scoping appraisal

→ Threats to and trends of ES?

Q Methodology



- First-person perspective
- Premade statements based on literature
- Clustering of alike perceptions

→ Perceptions on ES management?

TESSA-NGT-Hybrid

- Threats:
Land Tenure Insecurity
- Trends ES over last 5 years:
 - Agriculture, apiculture, wood and medicinal plants ↘
 - Tourism and environmental education ↗

→ Drivers of perception:
Gender and municipality

Q Methodology

- Two groups of perception:
 - Conservation for nature's sake
Restrict access, increase education and plant trees
 - Conservation for human's use
Increase access to park and finances, no agroforestry

→ Drivers of perception:
Education level

TESSA-NGT-Hybrid



- Group (dominance effect)
- Rapid assessment
- Easy to understand
- Easy to reach farmers, women
- New information

Q Methodology



- One-on-one
- Lots of preparation & interpretation
- Cognitively challenging
- Easy to reach managers, politicians
- Premade statements

Conclusion

- Different output and different stakeholders
→ Complementary methods
- Applicable in challenging environments BUT
 - Took long: 1-2 hours
 - Cannot extrapolate over time or place
- ES can open conversation and engage stakeholders, especially in high-conflict situations