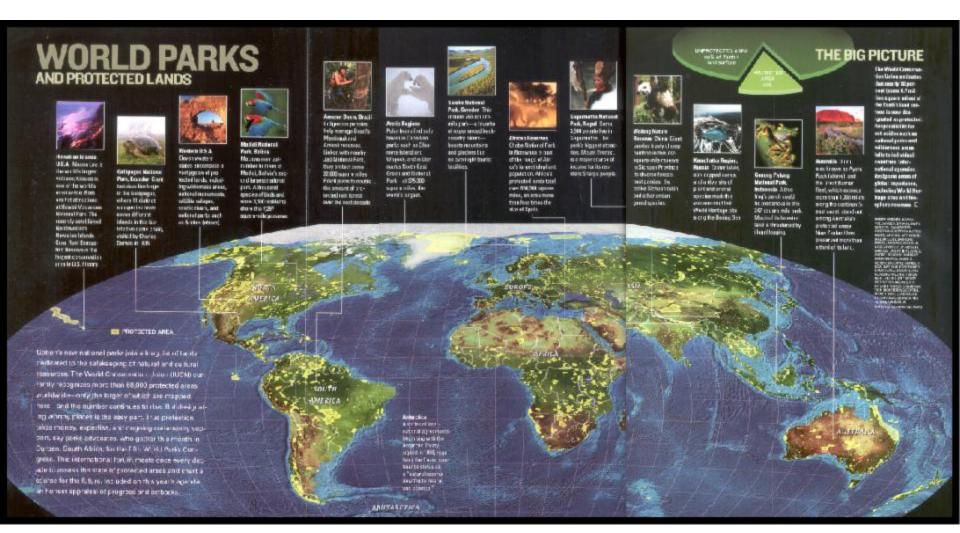
ASSESSING PROTECTED AREA MANAGEMENT EFFECTIVENESS



OVERVIEW

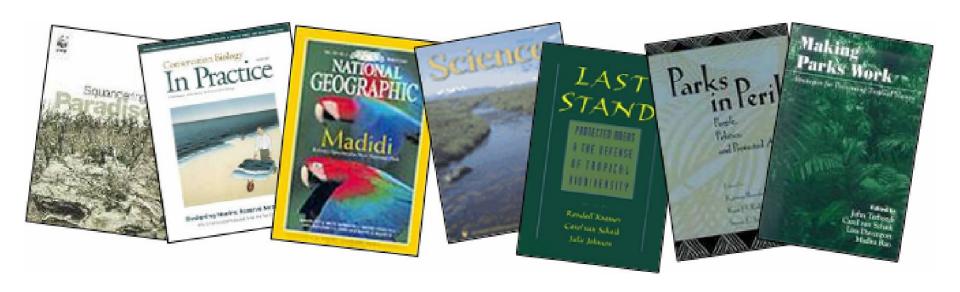
- What is management effectiveness
- Different types of assessment
- One example of a methodology
- How PAME assessments can be used

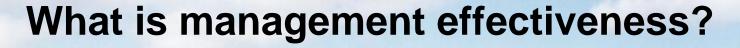
THE CONTEXT

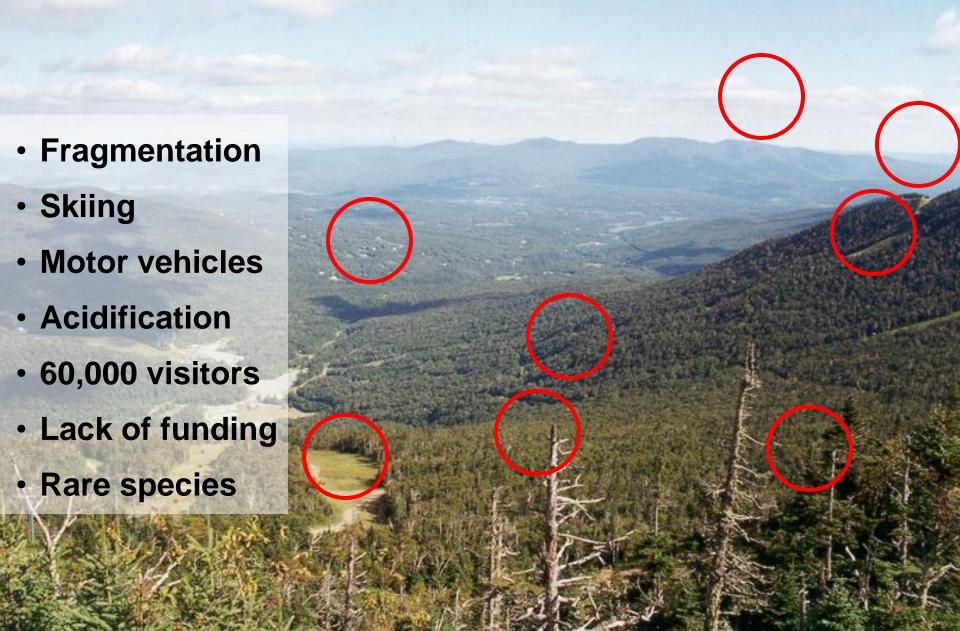


National Geographic, 2003

Many recent studies have highlighted problems with protected area management effectiveness







Management effectiveness can be measured by:

- Threats
- Management weaknesses
- Policy constraints

Definition of threat

Any human-related activity that has, or will have, a negative impact on biodiversity

THREATS



Development



Agriculture/aquaculture



Energy production



Transportation



Resource use/misuse



Recreation/tourism



System modification



Invasives



Pollution



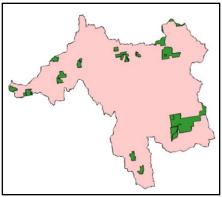
CLIMATE

Definition of management weakness

Any deficiency in management planning, inputs, processes or outputs that result in the decline of biodiversity







1. Planning

Objectives

Legal security

PA design







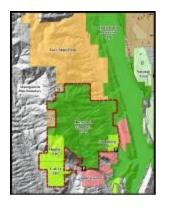
2. Inputs

Staffing

Communication

• Infrastructure

Finances



NICHOLAS ESCAS C



3. Processes

 Management planning

Decision making

Research

4. Outputs





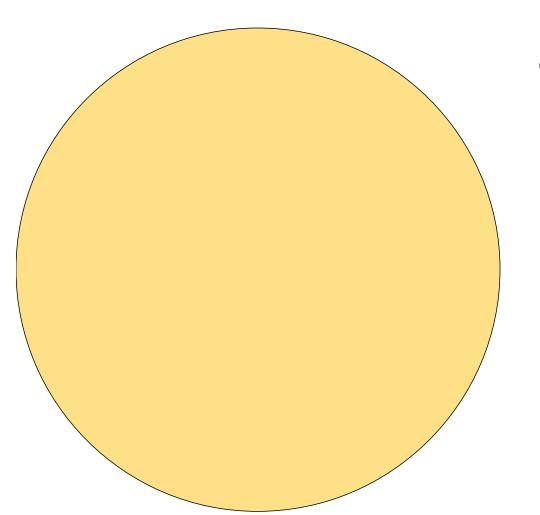
- Threat prevention
- Site restoration
- Habitat management
- Education
- Visitor management
- Supervision
- Training
- Research

Definition of policy constraint

Any deficiency or weakness in the policy environment that results in the decline of biodiversity

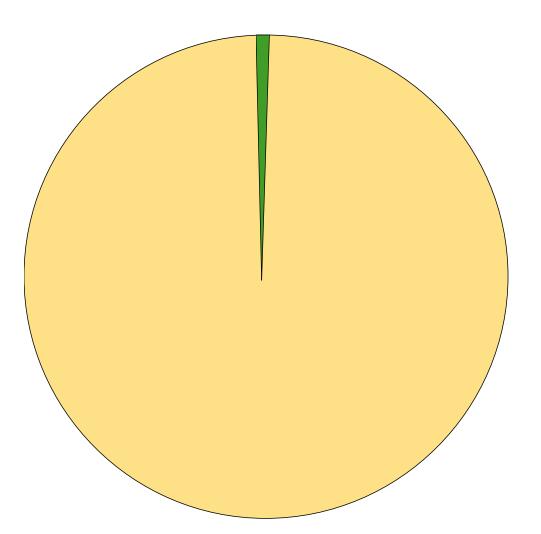
Definition of policy environment

The laws, policies, practices and attitudes that define the societal arena within which a protected area system operates



Overseas Aid

• US\$ ~100,000 mm

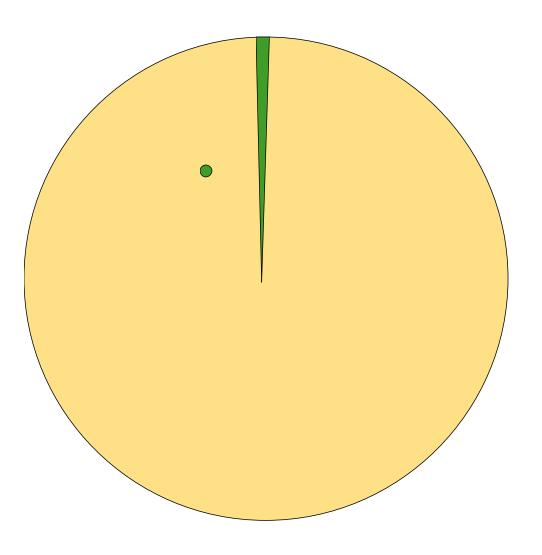


Overseas Aid

• US\$ ~100,000 mm

Environmental Aid

US\$ ~1,400 mm



Overseas Aid

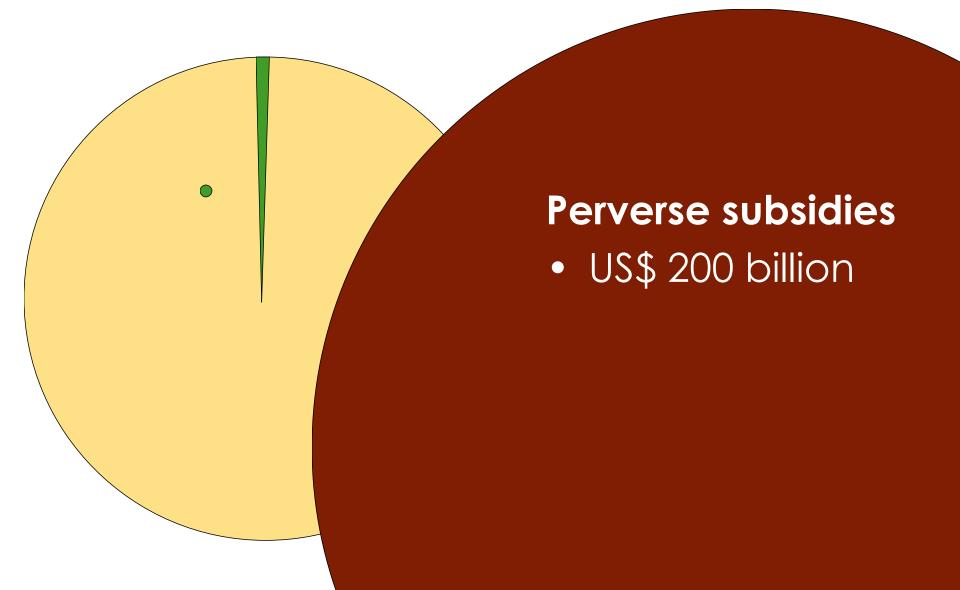
• US\$ ~100,000 mm

Environmental Aid

• US\$ ~1,400 mm

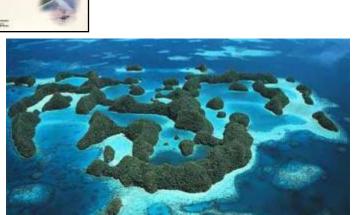
Protected Areas

A drop in the bucket



1. National environmental leadership





National vision

Demonstrated political will

 Adequate environmental education

2. Coordination and communication



 Mechanisms for dialogue

 Cooperation with neighboring countries

 Coordination with related sectors

3. Land use planning policies



Buffer zones

- Policies to limit urban sprawl
- Mechanisms for private PAs

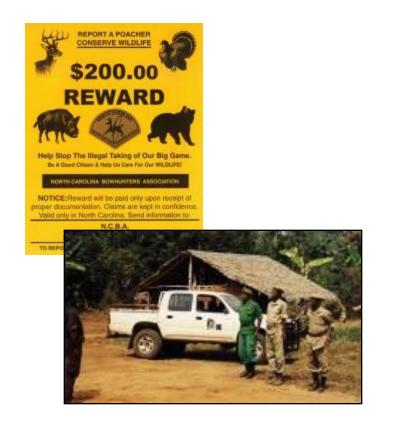
 Compatible land tenure policies

4. Resource use policies



- Sectoral policies do not conflict with PA objectives
 - Forestry
 - Agriculture
 - Fisheries
 - Water
 - Energy
 - Tourism/recreation

5. Legal and judiciary environment



 Societal laws do not conflict with PA objectives

 The judicial system is comprehensive, fair and implemented

6. Policy incentives



Absence of perverse incentives

 Existence of positive and negative incentives

 Existence of marketbased incentives

7. Protected area finance and funding



 Sufficient and diverse finance mechanisms

Resource allocation

Business planning

Accounting and monitoring

8. System-level protected area policies



Clear national goals

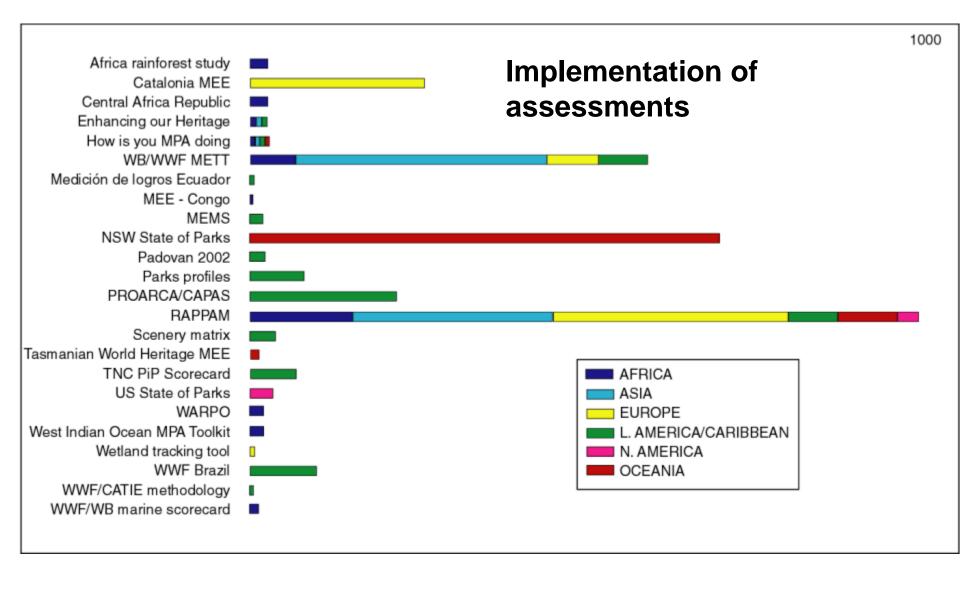
 National policies on PA resource use

 National monitoring systems

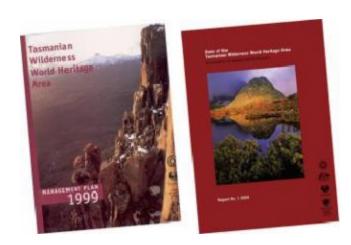
What are the tools for assessing management effectiveness?



www.protectedareatools.org



There are three basic approaches:



In-depth, evidence-based



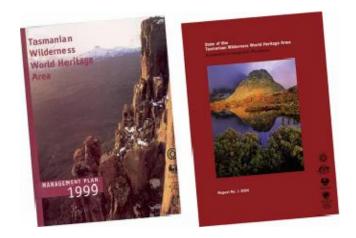
System-wide peer-based



Scorecard expert-based

In-depth, evidence-based assessments

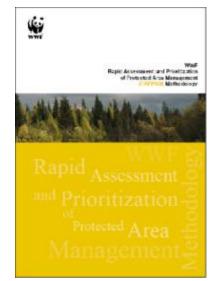
- Based on key desired outcomes
- Focus is on measuring biological outcomes
- Measures change over time
- Best for adaptive management at site level





System-wide peer-based assessments

- Based on questionnaire
- Involves peer workshops
- Includes stakeholders
- Scoring is relative to PA objectives, threats, other PAs
- Best for system-level analyses, tracking broad trends over time



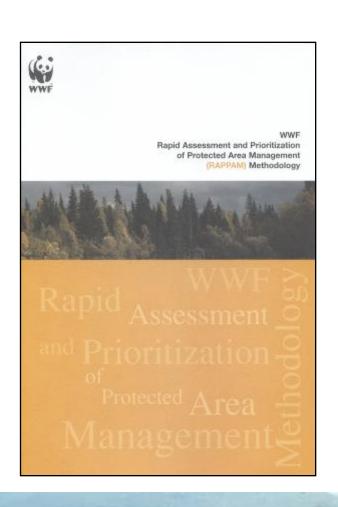


Rapid scorecard assessments

- Fast, cheap
- Conducted through questionnaire or survey
- Scoring is relative to predefined thresholds
- Best for taking a quick snapshot



COMPREHENSIVE, SYSTEM-LEVEL ASSESSMENT



- Threats
- Management elements
- Policy constraints

GETTING STARTED

- Who organizing committee
- Where
- How



领导干部要艰苦奋斗,勤俭节约。禁止讲排场、比固气、公款、铺张浪费。





GETTING STARTED

- Who
- Where scope of assessment
- How

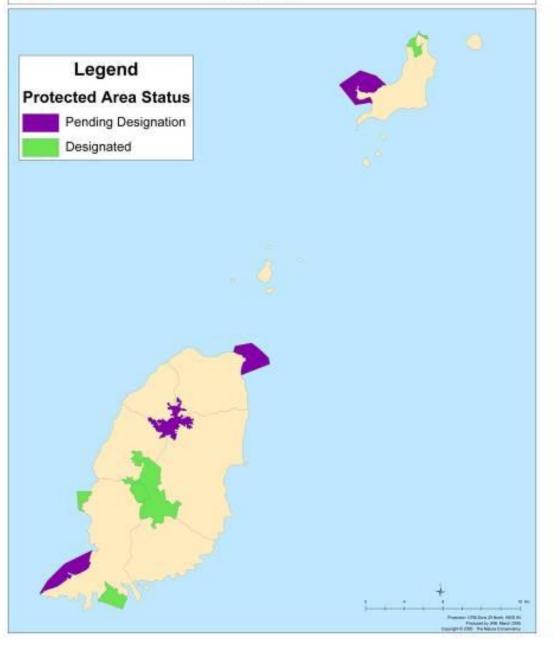




Grenada Protected Area GAP Analysis Protected Areas









155 PAs under federal jurisdiction in seven regions

GETTING STARTED

- Who
- Where
- How process





2. PRESSURES AND THREATS

Pressure:			
O Has O Has not been a pressure			
In the past 5 years this activity has: Increased sharply Increased slightly Remained constant Decreased slightly Decreased sharply Threat:	Extent Throughout (>50%) Widespread (15–50%) Scattered (5–15%) Localized (<5%)	Impact O Severe	r the past 5 years has been: Permanence Permanent (>100 years) Long term (20–100 years) Medium term (5–20 years) Short term (<5 years)
Will	entre de la company de la comp	The state of the s	e next 5 years is likely to be:
 Very high High Medium Low Very low 	 Throughout (>50%) Widespread (15–50%) Scattered (5–15%) Localized (<5%) 	ImpactSevereHighModerateMild	O Permanent (>100 years) O Long term (20–100 years) O Medium term (5–20 years) O Short term (<5 years)

2. PRESSURES AND THREATS

2 PRESSURES AND THREATS **POACHING** Pressure: Has O Has not been a pressure in the last 5 years In the past 5 years this activity has: The overall severity of this pressure over the past 5 years has been: Increased sharply Extent Impact Permanence Increased slightly Throughout (>50%) Severe Permanent (>100 years) Remained constant Widespread (15–50%) Long term (20-100 years) High Scattered (5-15%) Decreased slightly Moderate Medium term (5–20 years) Decreased sharply Localized (<5%) Short term (<5 years) Mild Threat: Will O Will not be a threat in the next 5 years The probability of the threat The overall severity of this threat over the next 5 years is likely to be: occurring is: Extent Impact Permanence Very high O Throughout (>50%) Permanent (>100 years) Severe High Widespread (15-50%) High Long term (20-100 years) Medium Scattered (5-15%) Moderate Medium term (5-20 years) Low Localized (<5%) Short term (<5 years) Mild Very low

9. STAFFING - INPUTS

9 STAFFING

- y m/y m/n n
- 0 0 0
- 0 0 0
- 0 0 0
- 0 0 0

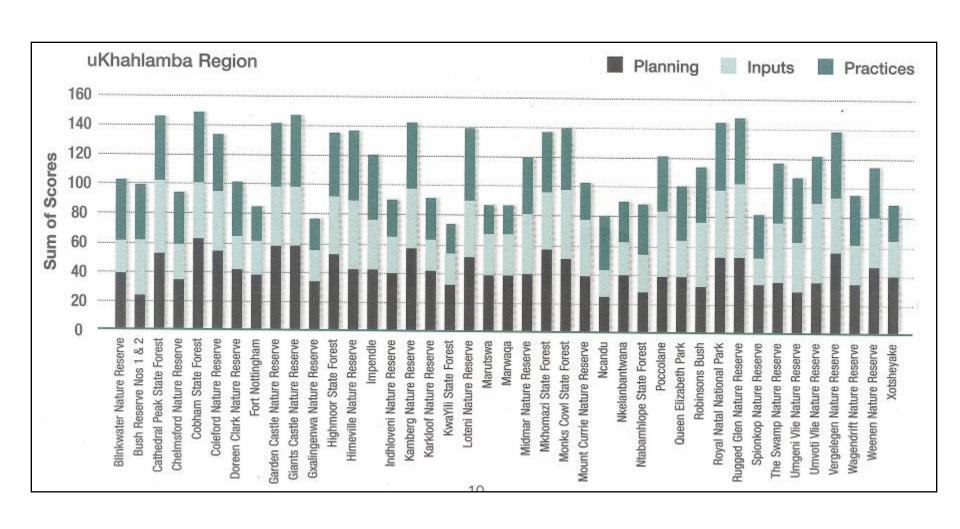
- a) The level of staffing is sufficient to effectively manage the area.
- Staff members have adequate skills to conduct critical management activities.
- Training and development opportunities are appropriate to the needs of the staff.
- d) Staff performance and progress on targets are periodically reviewed.
- e) Staff employment conditions are sufficient to retain high-quality staff.

ANALYZING DATA

- Management elements
- Threats and pressures
- Cross-cutting analyses



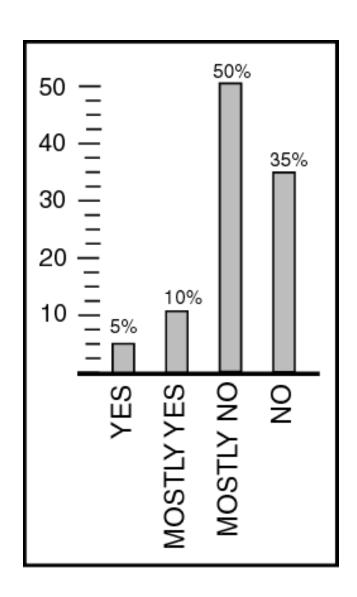
IDENTIFYING BROAD TRENDS



IDENTIFYING SPECIFIC WEAKNESSES

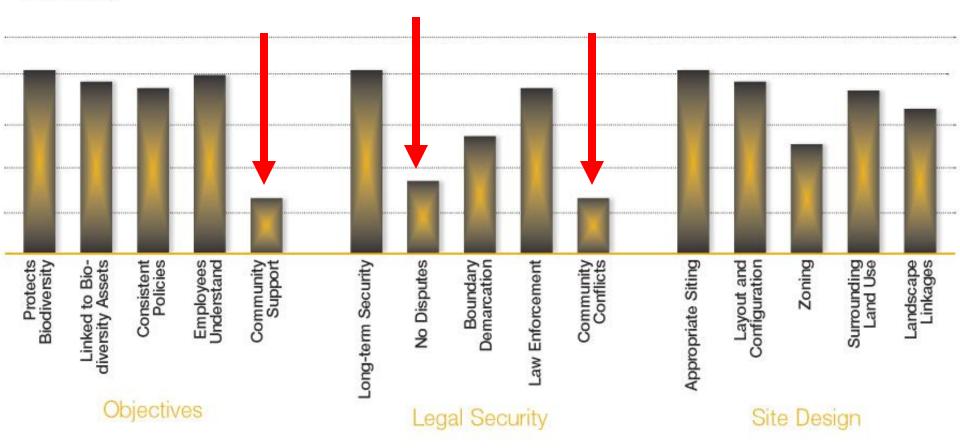
7d) Staff and financial resources are adequate to conduct critical law enforcement activities





IDENTIFYING THEMES

Planning

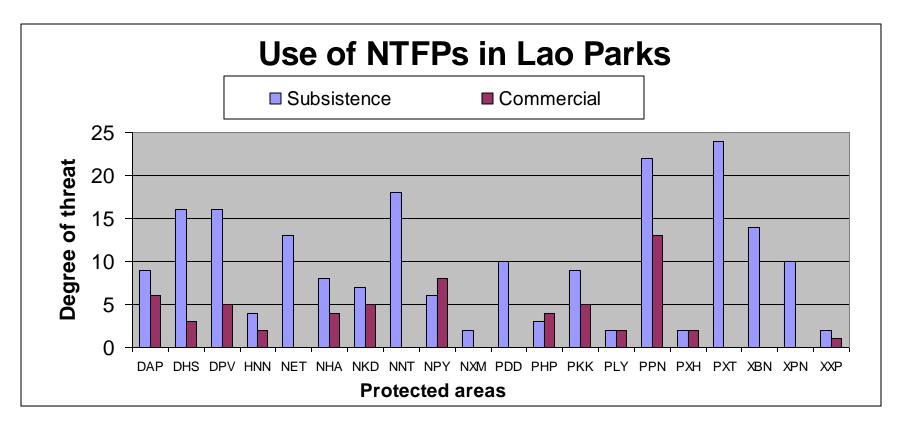


ANALYZING DATA

- Management elements
- Threats and pressures
- Cross-cutting analyses



ANALYZING A SINGLE THREAT

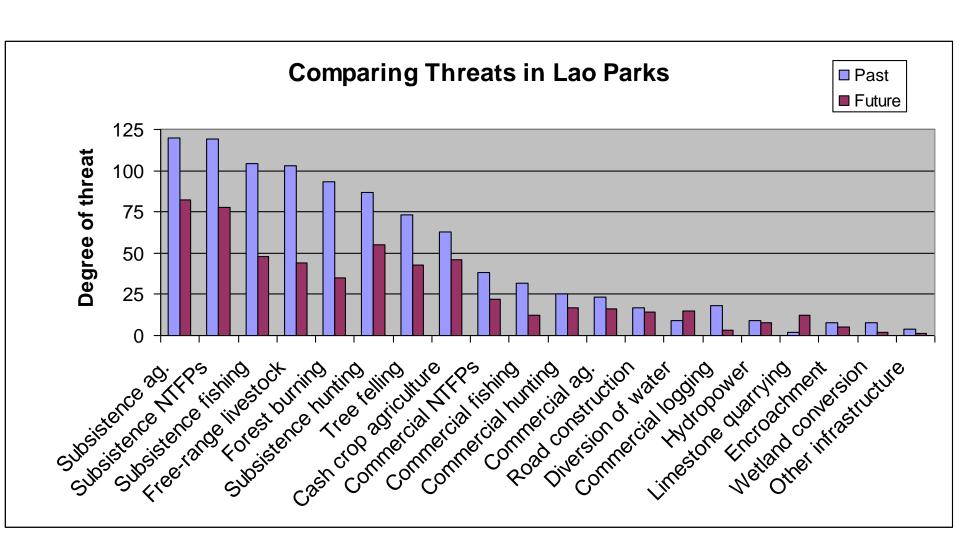




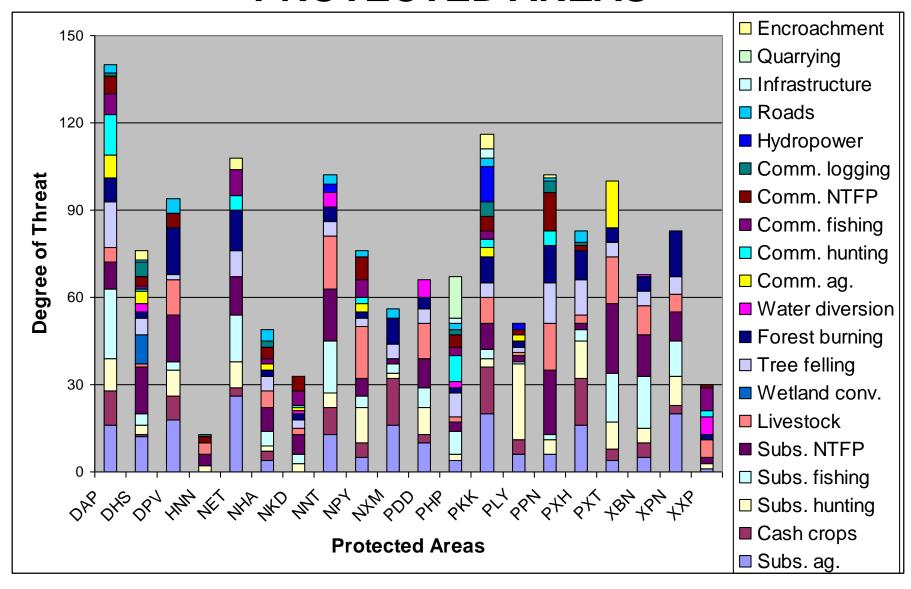




COMPARING THREATS



COMPARING THREATS ACROSS PROTECTED AREAS

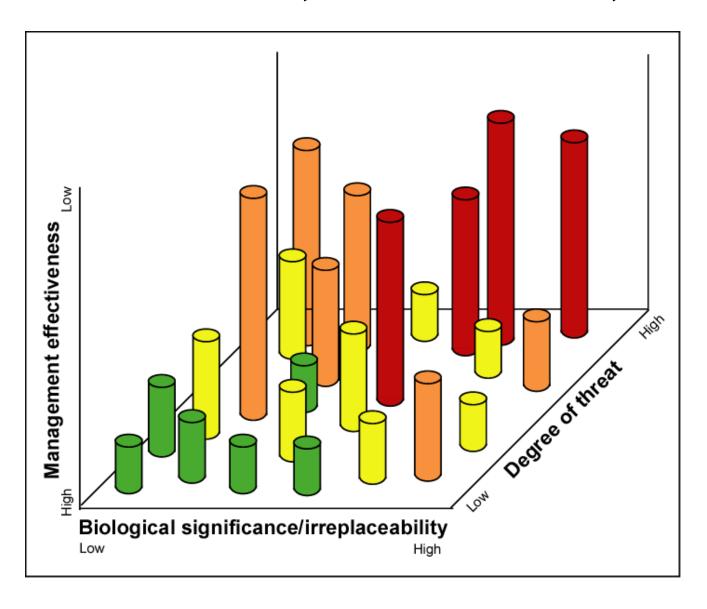


ANALYZING DATA

- Management elements
- Threats and pressures
- Cross-cutting analyses

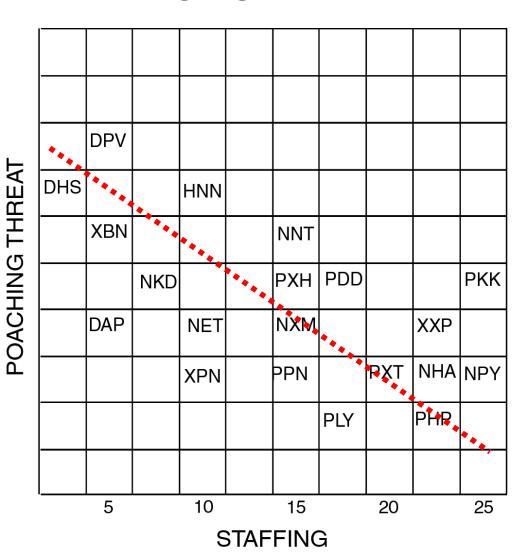


EFFECTIVENESS, SIGNIFICANCE, THREAT



CORRELATIONS





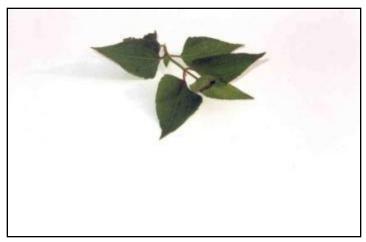
- Foster national dialogue
- Reveal surprises
- Develop and prioritize strategies
- Contribute to regional and global understanding

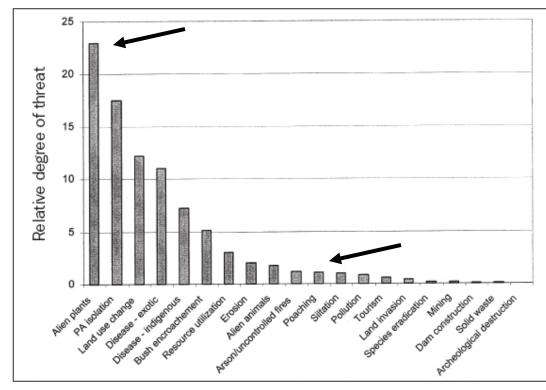




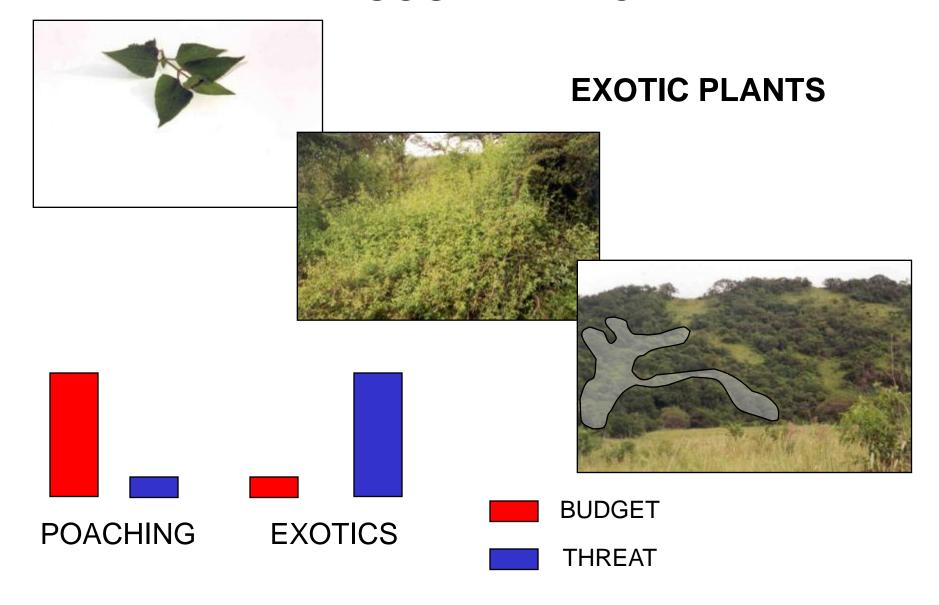
SOUTH AFRICA – poaching vs. exotics







SOUTH AFRICA



Example 1: Bhutan



Management/threat issue

Insufficient skilled staff

Policy issue

 National bottleneck in higher education

Strategy

 Increase annual number of students admitted

Example 2: Bahamas



Management/threat issue

Threat of tourism

Policy issue

 No national sustainable tourism policy

Strategy

 Work with tourism ministry to develop plan

Example 1: Czech Republic



Management/threat issue

Logging

Policy issue

 Forestry department has jurisdiction over trees

Strategy

 Agree on forest management in PAs

SHARE RESULTS

Nationally: to build support for actions

 Regionally: to identify regional strategies for building capacity

 Globally: to contribute to growing data set http://www.unep-wcmc.org/wdpa/me

EXERCISE

- Choose one key issue in a PA that you are familiar with
- Identify at least one strategy
- Identify at least 2 actions needed to implement that strategy

KEY ISSUE	STRATEGIES	ACTIONS AND CAPACITIES NEEDED TO:

KEY ISSUE	STRATEGIES	ACTIONS AND CAPACITIES NEEDED TO:
Invasive		
alien species		

KEY ISSUE	STRATEGIES	ACTIONS AND CAPACITIES NEEDED TO:
int of inv	Prevent the introduction of new invasive species	

KEY ISSUE	STRATEGIES	ACTIONS AND CAPACITIES NEEDED TO:
Invasive alien species	introduction of new invasive	Detect new encroachments
		Develop monitoring protocols
		Educate plant nurseries

KEY ISSUE	STRATEGIES	ACTIONS AND CAPACITIES NEEDED TO:
	Prevent the introduction of new invasive species	Detect new encroachments
		Develop monitoring protocols
introduction of new invasive		Educate plant nurseries

KEY ISSUE	STRATEGIES	ACTIONS AND CAPACITIES NEEDED TO:
Invasive alien species Ere coinv	Prevent the introduction of new invasive species	Detect new encroachments
		Develop monitoring protocols
		Educate plant nurseries
	Eradicate or control existing invasive species	Detect, eradicate and control species in priority areas
		Develop protected area invasive plant strategy