

Linking Biodiversity Conservation and Poverty Reduction, April 2010, London

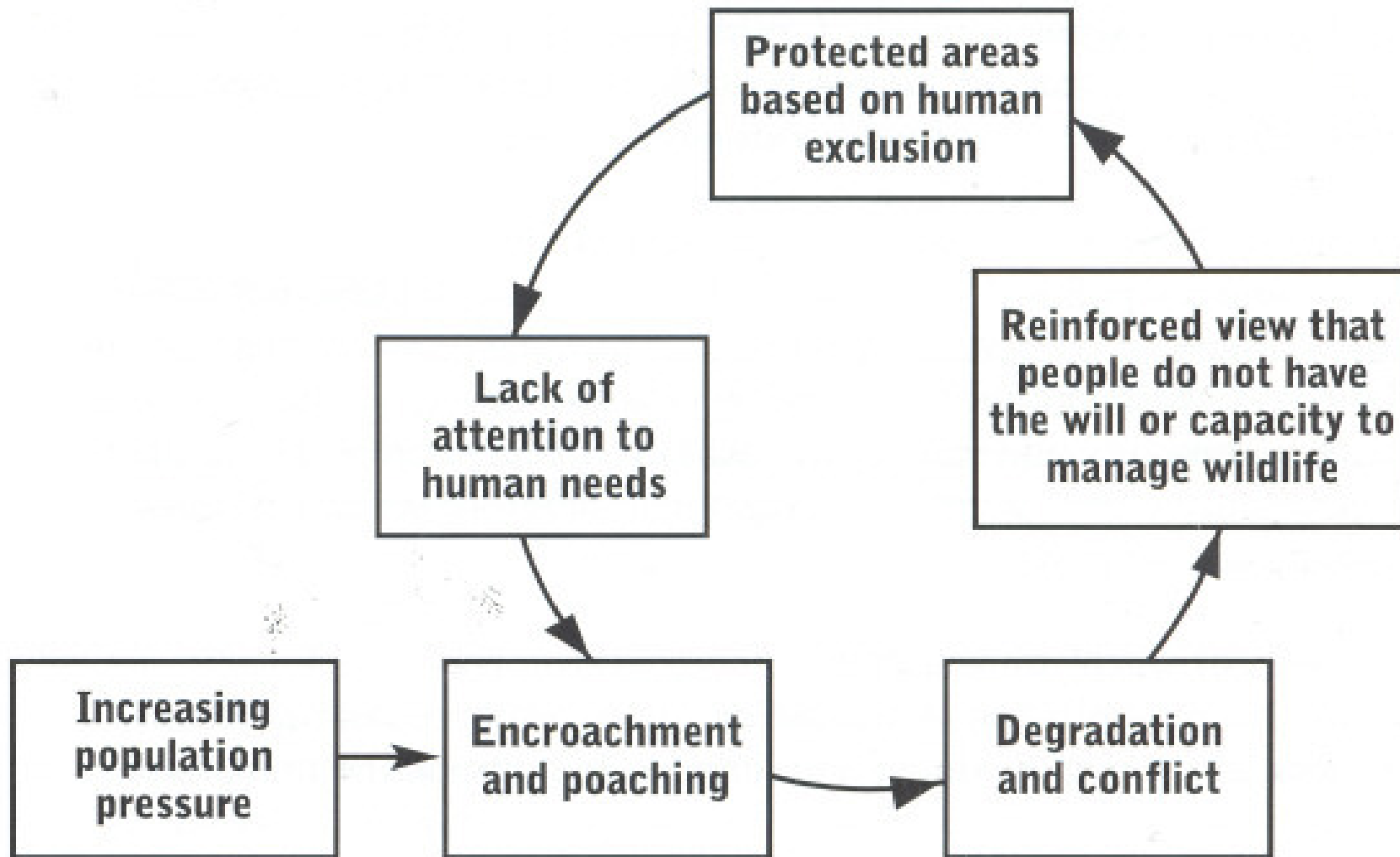
# Community-based Approaches for Linking Conservation and Livelihood Objectives

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# Context

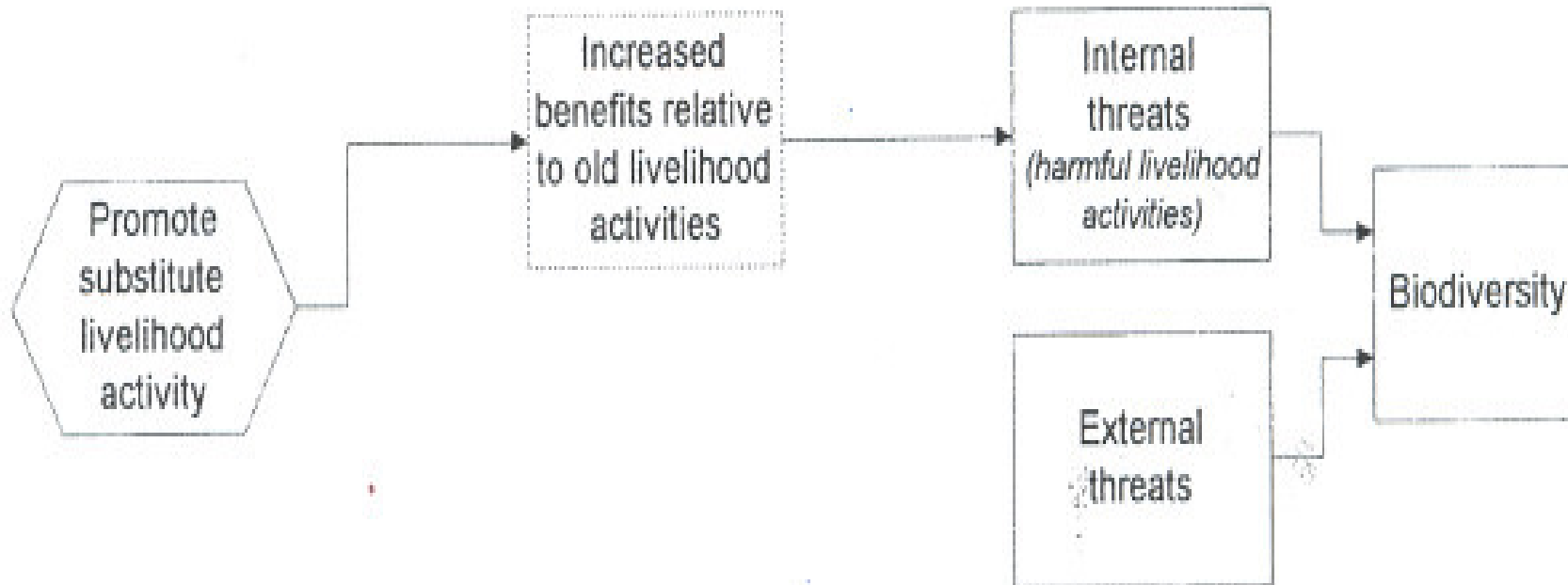
Conserving biodiversity depends on

- Understanding the interactions of societies and the environments in which they live, and
- Understanding what motivates people to conserve
- Most of the world's biodiversity is not in PAs but on lands and waters used by people for their livelihoods
- Therefore, partnership with local people needed for long-term conservation
- Solution is to break the vicious cycle that leads to the failure of both conservation and livelihoods



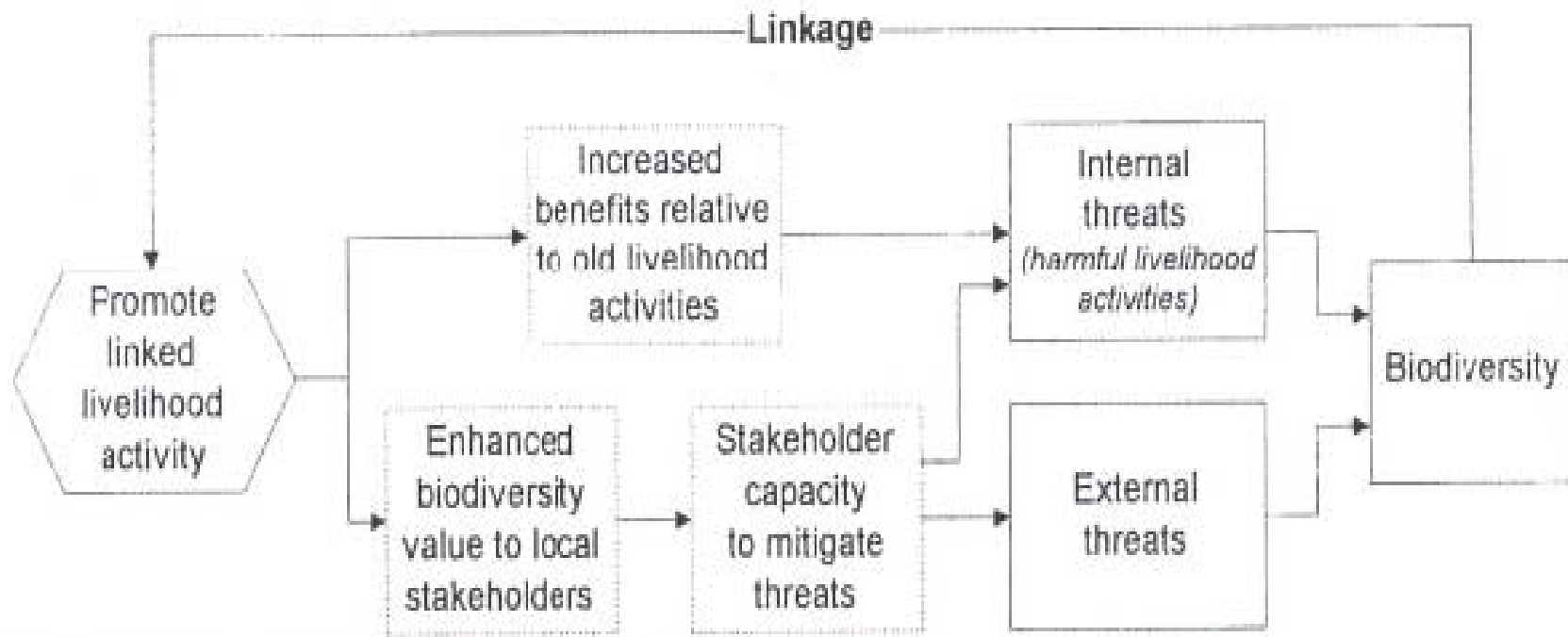
***Source: Roe et al. 2000. Evaluating Eden. IIED.***

**(b) Indirect Linkage: Substitution Strategy**



***Source: Salafsky, N. and E. Wollenberg 2000. World Development.***

**(C) Direct Linkage: Linked Incentives Strategy**



**Source: Salafsky, N. and E. Wollenberg 2000. World Development.**

# Objectives

- How do we do a better job with the linked incentives model to provide conservation incentives?
- Objective here is to seek a better understanding of the nature of incentives, and the benefits that the communities themselves consider important: what makes the local people want to conserve resources?
- The focus is on community benefits – it can be seen as a range of benefits, a more useful way of exploring the issue

## Definitions: “poverty reduction”?

- Much of the conservation literature focuses on the monetary benefits of conservation as if following the “income-poverty model” of the 1960s
- More recent definitions of poverty are broader: “poverty encompasses different dimensions of deprivation that relate to human capabilities including consumption and food security, health, education, rights, voice, security, dignity and decent work” (OECD 2001, p. 8)

# Cases from the UNDP Equator Initiative

- Since 2002, UNDP EI has held biennial searches to find and reward entrepreneurship cases that seek to reduce poverty and conserve biodiversity at the same time
- The program focuses on the equatorial region because of its richness of biodiversity and abundance of poverty
- Ten cases were selected for detailed field studies; results analyzed here for community objectives and benefits
- The benefits identified account for the evolution of the case over the years; they are not based on the original project objectives as listed in UNDP EI database

## Kinds of benefits in UNDP EI cases

- **Economic benefits:** cash compensation or entitlements, employment opportunities, livelihood diversification, access to funding and credit, and market-related benefits
- **Environmental benefits:** reversing resource declines; restoring biological productivity; protection of species and habitats important for livelihood resources
- **Political benefits:** empowerment, including participation in decision-making; control of local or traditional lands and resources; better relations with government
- **Social benefits** include improvements in social, educational and health services, and in social organization
- **Cultural benefits:** strengthening or revitalizing cultural traditions and cultural identity; values; community cohesiveness

Case	Economic	Environmental
Rural communes medicinal plant conservation centre, Pune, India	xxx	xxx
Arapaima conservation in the North Rupununi, Guyana	xx	xxx
Honey Care Africa's beekeeping in Kakamega and Kwale, Kenya	xxx	x
Cananeia Oyster Producers Cooperative, Sao Paulo, Brazil	xxx	xx
TIDE Port Honduras marine reserve, Belize	xx	xxx
Pred Nai community forestry group mangrove restoration, Trat, Thailand	xx	xxx
Casa Matsigenka indigenous ecotourism enterprise, Manu National Park, Peru	xxx	
Nuevo San Juan forestry management enterprise, Michoacan, Mexico	xxx	xx
Wildlife management, Torra Conservancy, Namibia	xxx	xx
Pastoralist integrated support program (PISP), Kenya	xx	xx

Case	Political	Social	Cultural
Rural communes medicinal plant conservation centre, Pune, India	XX	XX	XX
Arapaima conservation in the North Rupununi, Guyana	XXX	XX	X
Honey Care Africa's beekeeping in Kakamega and Kwale, Kenya		X	
Cananeia Oyster Producers Cooperative, Sao Paulo, Brazil	X	XX	
TIDE Port Honduras marine reserve, Belize	XX	X	
Pred Nai community forestry group mangrove restoration, Trat, Thailand	XXX	XX	
Casa Matsigenka indigenous ecotourism enterprise, Manu National Park, Peru	XX	XX	X
Nuevo San Juan forestry management enterprise, Michoacan, Mexico	XXX	XX	X
Wildlife management, Torra Conservancy, Namibia	XX	X	
Pastoralist integrated support program (PISP), Kenya	X	XX	XX

Community objectives in more detail: two UNDP EI cases; two other Southern and two Northern cases

Rural commune's medicinal plant conservation centre, Pune, India:

- *in situ* conservation and sustainable use of medicinal plants;
- low cost local medicinal plant availability in poorer regions;
- income for women collecting and marketing;
- sense of ownership of local resources and conservation partnerships;
- revitalization of cultural traditions

## Community objectives in more detail, 2/6

Casa Matsiguenka indigenous ecotourism enterprise,  
Manu National Park, Peru:

- compensation for restrictions on traditional hunting and other livelihood activities inside the Park;
- ecotourism for alternative livelihood and jobs;
- way of defending rights and fighting commercialization of natural resources by outsiders;
- community pride and social benefits

## Community objectives in more detail, 3/6

Peixe Lagoon National Park, Rio Grande do Sul, Brazil:

- fight eviction from the Park;
- getting voices heard;
- empowerment to defend rights, preserve livelihoods and access technical assistance;
- recognition of fishers' role in maintaining ecology of Park;
- job opportunities inside the Park

## Community objectives in more detail, 4/6

Ehi-rovipuka Conservancy, adjacent to Etosha National Park, Namibia:

- economic benefits of wildlife use and ecotourism;
- employment;
- meat from wildlife;
- a vehicle for community organization and empowerment;
- participation in wildlife management

## Community objectives in more detail, 5/6

Paakumshumwaau-Maatускаau Biodiversity Reserve,  
Cree Nation of Wemindji, Quebec, Canada

- biodiversity and landscape conservation;
- security from hydro-electricity development threat;
- biodiversity and landscape conservation to safeguard traditional lifestyle;
- reaffirming land and resource rights;
- community identity, cohesion and cultural values

## Community objectives in more detail, 6/6

Whitefeather Forest, Pikangikum First Nation, NW  
Ontario, Canada:

- elders' wisdom to take care of the land;
- economic and employment opportunities through resource-based tribal enterprises;
- management that harmonizes indigenous knowledge and practice with western science;
- strong culture through healthy economy

## Conclusions - 1

- Community objectives that create incentives for biodiversity conservation are complex
- They can be sorted into economic, environmental, political, social and cultural objectives, but they are inter-related
- There is almost always a mix of community objectives
- But the mix is case-specific, making it impossible to design “blueprint” solutions
- These objectives cannot be characterized as “poverty reduction” in the old income-poverty sense

## Conclusions - 2

- In many cases, political, social, cultural objectives can be very important – more important than cash-oriented objectives
- In particular, with indigenous groups, the political objective of control of traditional territories and resources are of prime importance -- seen as the first step to social and economic development
- Even with non-indigenous rural groups, empowerment is almost always a prime objective

## Conclusions: cross-cutting issues

- It is very difficult to establish the actual beneficiaries of poverty alleviation at the community level
- The evidence for conserving biodiversity is mixed:
  - No universal biodiversity conservation in the cases
  - Many projects aim to restore livelihood resources
  - Some projects lead to ecosystem conservation
  - Projects lead to stewardship, sense of ownership
- Measuring poverty and conservation outcomes are very problematic for (a) lack of baseline data, (b) contested nature of concepts

# Acknowledgements

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