Biodiversity and Livelihoods Issues No.3

INTEGRATING CONSERVATION AND DEVELOPMENT EXPERIENCE:

A REVIEW AND BIBLIOGRAPHY OF THE ICDP LITERATURE

ROSS HUGHES & FIONA FLINTAN

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MONITORING AND EVALUATION

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ACRONYMS

BCN	Biodiversity Conservation Network
DFID	Department for International Development
CBNRM	Community-based Natural Resource Management
CWM	Community Wildlife Management
ICDP	Integrated Conservation and Development Project
ΠED	International Institute for Environment and Development
JUCN	The World Conservation Union
M&E	Monitoring and Evaluation
PA	Protected Area
WWF	World Wide Fund for Nature

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1.0 INTRODUCTION

This literature review aims to investigate local perceptions of the success or failure of Integrated Conservation and Development Projects (ICDPs). It reviews existing information on ICDPs to take stock of experience to date and to explore the key problems and lessons learned. The document begins a process of drawing together information on ICDP policy and practice. It also aims to steer planners, policy makers and practitioners through the existing literature.

þ.

The information presented highlights key points emerging from a desk review of published and 'grey' literature relating to ICDP policy and practice. The bibliography does not aim to be comprehensive but rather indicative of the literature that is currently available. In the course of the review, distinguishing between literature of direct and indirect relevance to the policy and practice of ICDPs often proved difficult. In part, this is because there is no universally accepted definition, which specifies what an ICDP is, and what an ICDP is not. The literature selected for this review focuses as far as possible on issues related specifically to ICDP policy and practice. However, some more general literature is included, but only where we believe the contents provide useful insights of direct relevance to the overall purpose of the review.

The bibliography (p. 13) is divided into two sections, as follows:

- Case studies: ICDPs in Practice: including information on where practitioners can find
 examples and case studies of ICDPs in practice; and is further subdivided into general
 examples and then examples from Africa, Asia-Pacific, Latin and Central America and
 the Caribbean.
- Practical guidance for design, stakeholder involvement, monitoring and evaluation: including material aimed at providing practical guidance for all those involved with ICDPs.

1.1 WHAT ARE ICDPS?

A notable feature of the ICDP literature is the extent to which the 'working definition' of an ICDP has changed. This is partly because of changes in development thinking and experience world-wide, and largely because decentralised resource management approaches (e.g., community wildlife management approaches in southern Africa) have started to show some positive results in achieving their objectives – in terms of both local development and biodiversity. However, despite changing definitions, the assumptions upon which ICDPs are based remain basically the same.

Most practitioners would agree that ICDPs are biodiversity conservation projects with rural development components. Recently, one prominent author has defined the ICDP approach even more broadly as:

"...an approach that aims to meet social development priorities and conservation goals1".

This latter definition would indicate an almost complete convergence with sustainable development thinking, which seeks to address sustainable rural development in general, for example, through integrated rural development projects or more recently, through sustainable livelihoods approaches. It would seem that ICDPs are beginning to lose their distinct identity, becoming gradually more indistinguishable from broader sustainable (rural) development approaches. All that would appear to distinguish them from other types of sustainable rural development projects is the fact that they are located near protected areas.

A characteristic of ICDP projects is that they seek to address biodiversity conservation objectives through the use of socio-economic investment tools. They were first introduced in the mid-1980s by the World Wide Fund for Nature (WWF) in an attempt to address some of the shortcomings of, and problems associated with, 'fines and fences' approaches to conservation in protected areas. At the time, they were viewed as a 'radical divergence' from 'preservationist' approaches to protected area management'.

1 Worsh, S. (2000) International History of IGDPs. In: UNDP (2000) Proceedings of Integrated Concernation and Development Projects Lessons Learned Werkshop, June 12-13, 2000. Handis UNDP/Workf BankyWWF.

- 2 Sanjayan, M.A., Shen, S. and Jarven, id. (1997) Experiences with Integrated-Conservation Development Projects in Asia. World Bank Technical Paper No 38, Washington DC.
- 3 Largar, R.S., Freudenberger, M. and Wyckoff-Raind, B. (1998). WVF Integrated Conservation and Development Projects: Len Lessans from the Field 1985-1996. Washington DC.

1.2 ICDPS WORLD-WIDE

In 1985, WWF faunched its Wildlands and Human Needs Program⁴, which initially incorporated a portfolio of approximately twenty ICDPs. These "Sought to improve the quality of life of rural people through practical field projects that integrated the management of natural resources with grass-roots economic development". By 1994, WWF was supporting more than fifty ICDPs. Roughly fifteen of these projects were continuations of the first-generation ICDPs developed in the mid-1980s. The remainder of the projects date from 1990 or later.

Today there are thought to be over three-hundred ICDPs world-wide. These projects absorb a major proportion of international conservation funding. Indonesia illustrates the scale of donor support for ICDPs, where the national protected areas network is supported by donor funds allocated through various ICDP programmes. Indonesia's ICDP network has been supplemented by US\$130 million of international donor funds, and bilateral support of US\$20 million has been made available to the Biodiversity Conservation Network (BCN) for twenty ICDPs, several of which are also being implemented in Indonesia.

13 COMMON FEATURES OF ICDPS

ICDPs are as varied as they are numerous. All ICDPs incorporate components that aim to provide benefits to local communities through a variety of activities (Box I). They exist under a variety of names, such as "People-Centred Conservation and Development" and "Eco-development", Some agencies and authors include projects that have more commonly been termed community-based natural resource management (CBNRM) or community wildlife management (CWM)^a programmes, such as for example, CAMPFIRE^a in Zimbabwe and ADMADE" in Zambia". These latter kinds of projects have been called "Second Generation ICDPs"12. There has also been a recent trend to move away from ICDP projects based on inflexible and rigid management plans, towards approaches which place more emphasis on 'learning whilst doing' and 'adaptive management'.

Box 1 - Common features of ICDPs

Despite the diversity of terminology, and variation in the scope of activities perceived to comprise ICDRs, they have a number of common features

- Biodiversity conservation is the primary goal
- There is a recognised need to address the social and economic requirements of communities who. might otherwise threaten biodiversity, and the natural resource base in general,
- The core objective is to improve relationships between state-managed protected areas and their neighbours:
- ICDPs do not necessarily seek to devolve control or ownership of protected great resources to local communities nor to address this issue on the periphery of the parks.
- ICDPs usually receive funding from external sources, i.e., from bilateral or multilateral donors, and infernational conservation organisations (Without some form of external financial assistance government wildlife (or other conscrvation-related) department budgets can rarely afford to implement these projects;
- The majority of ICDPs are externally motivated and are initiated by conservation organisations. and/or development agencies (even if implemented by governmental bodies);
- They are generally linked to a protected area, more often than not; a national park.

1.4 UNDERLYING ASSUMPTIONS

Three assumptions underpin the objectives of all ICDPs today. These are:

- Diversified local livelihood options will reduce human pressure on biodiversity, leading to its improved conservation:
- Local people and their livelihood practices, rather than 'external factors', comprise the most important threat to the biodiversity resources of the area in question;

4 See McShane, T. (1989) Wildlands and Human Neeris: Resources Use in an African Protected Area, Landinape and Union Planning, 19: 145-158.

5 Larson, P.S., Freinbenberger, M. and Wyckoff-Baird, B. (2998) WIVI Integrated Conservation and Development Projects: Ten Lessons from the Field 1980 1996. Washington DC.

6 Davies, R., Madikwe Development Task Team, Holmeyr, M., Tricloff, C. and Wells, M. (1997) Madikovs Development Spring; Number 1 to 5. South Afrika: North West Parks Board.

7 The apronym LCAD is contributly used in

8 ICED (1994) Whose Eden? An Overview of Community Approaches to Wildlife
Management, London Enternational Institute for Environment and Development.

ବ ଓଡ:nimiral Areas Management Programme For Indigenous Resources,

10 Administrative Management Design Programme for Gaine Management Areas.

11 For examples see a. Barred, C.B. and Arcese, P. (1995) Are Integrated Conservation Development Projects (ICDPs) Sustainable? On the Conservation of Large Mammals in Sub-Saharan Africa, World Development, 23 (7). b. Larson, P.S., Freudenberge; M. and Wyckoff-Buird, B. (1998) V/WF Integrated Conservation and Development Projects: Fen-Lessons from the Field 1965-1996, Weshington BC.

c. II ED (1994) Whose Edon? An Overview of Community Approaches to Wildlife Management, London: HED.

12 Larson, R.S., Freulenberger, M. and Wyckoff-Baird, B. (1998) WWF Interview Contervation and Development Projects: Ten Lessons from the Field 1985-1996. Washington DC.

13 For examples, see; a. Sanjayan, M.A., Shen, S. and Jamson, M. (1997) Experiences with Integrated Conservation Development Projects in Asia. World Bank Technical Paper No 38. Washington DC.

h. Larson, P.S., Freudenberger, M. and Wyckoff-Baird, fl. (1998) WWF Integrated Conservation and Dec elopment Projects: Ten Cassons from the Field 1985-1996 Washington DC, c. Blodwersity Conservation Network (1995)

The Biodiversity Support Program's Biodiversity Conscivation Networks 1995 Annual Report, Washington OC. d. CARE (1998) CARE's Environmental

http://www.care.org/devirescentes/consry.html #protect

e, Food and Aarkulture Organisation (1997). Wildlife and Protected Area Management, A Compendium of FAO Implemented Projects and Related Bibliography, 1975-1996. Reme: FA0.

f. Environment and Natural Resources Information Center (1994) Biodiversity Conservation and Sustainable Use: USAID Project Profiles, Arlington VA. g. World Bank (1996) Staff Appraisal Report: India Ecodevelopment Project, South Asia Department II, Washington DC or Environment I Project (EP1) in Madagascar (1992-1995). Intentet: http://www.world-bank.org/aftdwifindings/infabeng/infabbe.htm.

 ICDPs offer sustainable alternatives to traditional protectionist approaches to protected area management.

Table 1 expands further on the assumptions mentioned above. It attempts to incorporate the 'evolution' in 'practitioner thinking' on ICDP assumptions. This 'evolution' suggests a progressive devolution of power, from approaches that seek to 'deliver' alternative development options, to approaches that respond to broader issues of resource tenure and participatory planning.

'n

Overall Assumption	Typical Activities	Lessons
Unless the basic needs of people) living in and dround blodiversity (chargas are met, they will not support for will be hostile to) conservation efforts.	Social development, activities such as building or coads, water supply schools, health centres, and sharing a small proportion of park entrance, dees etc.	Passive/beneficiaries Tippus intensive Conservation/links unclear or non-existent
Impacts of focal communities on pickliversity can be mitigated by providing them with alternatives to natural resource dependent juelihoods	Aftemative livelihood developments, such as agroforestry, weaving, bee-keeping, mushroom, and vegetable farming, eff	Conservation—development links not clearly addressed. De-tinking livelihoods from patural resources weakens interest in them. Fallure of new interventions due to inexperience.
Local communities will use natural resources, wisely, if the link, between conservation of their resources, and their Wellhoods is, clear	value adding to natural! resources harvested sustainably suchas forest bee-keeping NTEP: collection and marketing and ecotourism of	Wider policy/legal/market constraints (access/tenure), not addressed Inadequate information objodiversity impacts Benefit straining mechanism complex to implement Inadequate attention to equity issues Internal conflicts
Gommunities will actito conserve resources of they have a stake fin decision-making about use and management of the resources	Accessiand benefit sharing, multiple use zones participatory planning and management rusually limited to specific areas/resources).	Policy/legal constraints, Caccess/fenuire/contigaddressed Weak processes/imited experience External force /threats nondressed Stake too limited to be a linterest.

14 Adapted From Weran, S. (2000)
Execution of this region (COR) for the Horizon
(2000) Proceedings of Integrates
Execution and Development Projects
Lessons Cearmed Workshoo, June 12-13,
2000, Harvid (INDP/World Bank/WW).

2.0 KEYTHEMES

Drawing themes from the literature reviewed proved very difficult because of complexities associated with delineating what an ICDP is and what it is not (see above) and a general paucity of objective evaluations of ICDP practice. Although there is now an extensive ICDP literature base, this tends to be more philosophical and prescriptive, rather than analytical and evaluative.

2.1 DO ICDPS WORK?

A notable feature of the literature reviewed, and from recent 'lessons learnt' studies', and workshops' is the lack of documented examples of ICDP success. Most studies point to ICDP 'failures' rather than 'successes'. As one study' concluded:

"Establishing ICDPs that actually work has proven to be rather more challenging than marketing the concept and raising the funds...[and] nearly a decade after first popularised, there is still a notable lack of successful and convincing cases where people's development needs have been effectively reconciled with protected area management.".

This rather pessimistic outlook is not, however, a universal feature of the analytical ICDP literature reviewed, and it would seem that there are grounds for optimism within components of some projects (Box 2). It might also be argued that there has only been around 15 years of ICDP experience. Therefore, there has been simply not enough time for lessons learnt to become fully integrated into practice.

Box 2: Grounds for optimism?

The following case studies are supported by literature which documents one successful outcomes from a LCDP components:

- Annapumar Conservation Area / Regiect, Nepal **, ** This project includes the local management of forests; seeding planting and distribution for private and project plantations, improvement in trails, health posts and schools; introduction of kitchen gardening and reduction in the use of chemical fertilisers and pesticides in thermore, there have been improvements in services along trekking foules; the links duction of alternative energy sources in the village and trekking hotels, and education in conservations.
- Bivindi Impenetrable Forest, Uganda³². The project based in Bivindi saw, the successful change of at titudes of local people towards the protected gorillas, which they previously believed should be kept in zoos. Community members undertook substitution activities, such as tree planting, and cultivating medicinal plants, certain medicinal plants and basketry species were harvested, whilst the community helped protect more vulnerable species. Additionally, traditional bee-keeping has become more formalised.
- Eake Mouro National Park, Uganda?: 14 projects were completed, which gave assistance in the building of schools and clinics, training community members in health and tree nursery management, providing support to small-scale revenue earning businesses and assistance in the control of crop and damage by wild animals.
- Amporo National Park, Bolivia²². This project focused on local capacity building, training and raising awareness of the community. It was successful in raising awareness of environmental issues: and the need for sustainable management of the National Park. Furthermore, as a community of migrants, the project improved community cohesion, and strengthened the relationships between the stakeholders and community.

Other projects with successful outcomes include:

- Yancheng Coastal Zone Biosphere Reserve, China¹³;
- Crater Mountain Wildlife Management Area, Papua New Guinea²⁴
- Mount Elgon, Uganda²⁵
- Ngorongoro Conservation Area, Tanzania²⁶;
- Kilim Ijum, Cameroon²⁷;
- Kllum Mountain, Cameroon 18;
- Ostional Wildlife Refuge, Costa Rica²⁹;
- Various projects funded by the UK Department for International Development (DFID)³⁰

- 15 Smith. D., Hughes, R. and Swiderska, K. (1996) Review of Lessons Learnt from DETDsupported Birdinovity and Limitianals Development Projects. Unpublished report for the UK Department for International Osyclopment, Internet: http://www.iied.org/blg
- 16 UNDP (2000) Proceedings of Integrated Conservation and Development Projects Legions Econical Workshop, June 12-13, 2000, Hanol: UNDP/World Barrow/VF.
- 17 Vides, M., Goggerheim, S., Kran, A., Wardsjo, W. and Jepson, P. (1998). Investing to Ebdiversity. A Review of Indocesia's Integrated Conservation and Development Projects. World Bank, East Asia Region.
- 18 Lama, Tshering Tempa, and Lijir, J. (1994) Annigurus Conternation Area Project: Annial Progress Report 15th July 1993 — 14th July 1994, King Mahendra Trust for Nature Conservation.
- 19 Stevens, S. (1997) Conservation through Cultural Survivelt: Indigenous Peoples and Protected Areas, Washington DC: Island Press.
- 20 Wild, R. and Mutebi, J. (1997) Beindi (arpendigible Forest, Uganda: Conservation Through Collaborative Management, Hatture and Resources, 33 (3–40).
- 21 Taryaho, M. and Infletd, M. (1996) Pastoralists, Fishermen and Farmers in and around Luke influor Multiwal Park. Changing Conflict into Awareness and Responsibility. Community Conservation Discussion Papers No 6, Nairobi.
- 22 Smilin, D., Hughes, R. and Swiderska, K. (1998) Review of Lossons Leavin from OFID-supported Biodiversity and Lineblooks Development Projects. Unpublished report for the UK Department for International. Development, International Lineblooks in the UK Department for International.
- 23 Ma, Z. et al. (1998) Habitat Change and Protection of the Red-covered Grane (Grae japonesist) in Yancheng Bloshaere Reserve, Uhlna. Arrido 27 (6) pp 462-465.
- 24 Johnson, A. (1997). Processes for Effecting Community Participation in the Establishment of Protected Arcest: A Case Study of the Crafer Mountain Wildlife Management Area. In: The Political Economy of Forest Management in Papua Mow Goinea. Files, C. (ed.). NRI Monograph (2), Chatterin Natural Resources Establishe and London: International Statistics for Environment and Development.
- 25 Scott, P. (1998) From Conflict to Collaboration, People and Forests at Mount Elgan, Uganda, Gland; (UCN
- 26 Kijazi, A.J.H. (1996) Multiple Land Use Protected Areas: Experience from the Igorongore Construction Area. Paper presented at the Pan African Symposium on Sustainable Use of Renovable fratural Accounces and Community Participation, Hazare, 24-27 June 1996.
- 27 Abbott, J., Nicha, S. E. and Khen, M.W. (1999) Truming Our Tyes from the Forest. The Role of Livelihoods Programme in Changing Attitudes and Behaviour Towards Forest Use and Conservation at Kilturi-film Mountain Forest, Camerdort Unpublished report for Birdlife International.
- 28 Fotos, R.C. (1996) Two Models for Blodiversity Conservation and Community Cevelopment Integrated Projects in Cameroun, Paper presented at the Pan African Symposium on Sustainable Use of Renewable Natural Resources and Community Parsicipation, Harave, 24-27 June, 1996.
- 29 Guiterrez, I., Ortiz, K. and Imbach, A. (2000) Community Wildlife Management in Central America: A Regional Review. Evaluating Eden Discussion Paper No. 12. London: International Tretitute for Environment and Development.
- 30 Smith, D., Hughes, R. and Swiderska, K. (1998) Review of Lessons Learnt from OFIDsupported Biodiversity and Linelihoods Development Projects Unpublished report for the UK Department for International Development, Internet; http://www.iied.org/utg

31 Mittelman, A. (2000) Conservation and Development Linkages: Lessans Learned Iraan 15 years of IGOP Experience in Thallana. Pages prepared for presentation of an International Seminar on Integraled Conservation and Development: Cambradiction of Terms2 Oceanbagen, Dermark, 4-5 May 2000, CAME Demmark, DANCED, DANIDA.

12 McSharry T. (1999) Veyages of Discovery: Four Lesians from the METIA MOVE Tracked Forest Hortfollo, Unpublished.

33 Stocking, M. and Perkin, S. (1992) Conservation of the Development: An Anolication of the Concept in the Burnishin Mountains, Tengaria, Transactions of the Institute of Brillish Geographers, 17.

34 Kremen, C., Merenlender, A.W. and Muzgliy, D.G. (1994) Ecological Menitoring: A Vital Need for Integrated Concernation and Oxeologment Programs in the Propies. Conservation (Religy, 8 (6)).

35 Wolfs, M., Guggenheim, S., Khan, A., Wardujo, W. and Jepson, P. (1998) *Loweding* In Bladhiersity. A Review of Indonesia's Integrated Conservation and Development Projects. East Asia Region: World Bank,

36 Mather, A. Needle, C. and Fairbaim, C. (1999) Environmental Kuzzel/, Curves and Forest Trands, *Geography* 1999 (55-65).

37 For examples, see: a. Borber, C. V. et al. (1995). Tiger by the Tail? Reprinding Biodiscrafty Conservation, and Development in Indonesia. Washington DC: WRI and Jakarta: WALTH I and Polansi Institute.

b Priedlander, E. and de Greling, C. (1996)
Streighheiting Wildlife Manuerment and
Ecockereligement Planning Capabilities.
Project Terminal Evaluation, Dalhi: United
Mattons Development Programme.
c. Kothari, A. (1998) Ecockeringment and
Joint Management of Protected Areas: Legal
and Paley Implications, Draft Paper for
Presentation at Seminar on
Ecodocumentation, November 28-27 1998,
Unpublished zoport, Dehra Dun; Wildliffe
Institute of India.
d. Barrott, C.B. and Arease, P. (1995) Are

d. Barrott, C.B. and Arcese, P. (1995) Arc Integrated Conscription Development Projects (IGDPs) Systainable? On the Conservation of Large Resonands in Syb-Salharan Africa, World Development, 33 (7), e. Brandon, K., Retford, K. and Sanderson, S. (eds.) (1998) Parks in Paril, Poople, Politics and Protected Areas, Washington QC; Island Press.

38 ICOP Lessons Learned Workshop, June 12-19, 2000, Hand, Vietnam, UNIDP/World Bank/WWF

39 Barrett, C.B. and Amese, P. (1995) Arc Integrated Conservation Development Projects (COPs) Sustainable? On the Conservation of Large Mammels in Sub-Subaran Africa. World Development, 23 (7),

40 Wells, M., Ringgeiheim, S., Khan, A., Wardoig, W. and Jepson, P. (1998). Investing in Biodiversity, A Review of Indonesia's hitegrated Conservation and Development Projects. World Bank, Fast Asia Region.

41 Sen:
a. Gartlan, S. (1996) Falling Between Two
Stools: The False Promise of Socializable
Development, Cameroon, Unpublished,
b. Senjayan, M.A., Ston, S. and Jancen, M.
(1997) Expeniences with IntegratedConservation Development Projects in Asia,
Washington DC.
Washington DC.

42 Smith, D., Hughes, R. and Swidersko, K. (1998) Review of Lessons Learnt from DETD-supported Birdinersity and Lindihoods Development Frojects, tipophisined report for the UK Department for International Development, Internet http://www.iicd.org/big

43 Highes, R. and Batelho, H. (2000) Environmental Impacts of Support for Plase 2 of the Machinesis Surfainable Development Reserve: A Scopling Study. A Report to Sociedade Civil Marnirauà (SCNI) and Department for Informational Development (DFID).

Therefore, the emphasis of the 'lessons learnt' literature focuses on drawing on experience from failed rather than 'successful' ICDP experience and proposing 'hypothetical' models of best practice.' The following sections are therefore restricted to the clearer themes emerging from the literature.

2.2 LINKS BETWEEN DEVELOPMENT AND BIODIVERSITY CONSERVATION

The literature contains a wealth of examples where causative links between conservation outcomes and the use of development tools are unclear. On the whole, it seems that links between development components of ICDPs (such as micro-enterprise development) and conservation objectives remain unproved, mainly through lack of monitoring and evaluation. This is usually because project design has not attempted to establish what one author has referred to as "Coherent linkages between conservation objectives and their investment in local development?". Hence, as one study of experience in East Africa has pointed-out "...the conservation and development linkages being addressed by the projects are in reality little more than working hypotheses, and the socio-economic and ecological dynamics of the ways in which these linkages might actually function are poorly understood"." However, despite the lack of analytical data on the telationship between conservation and development, projects based on these hypotheses continue to be designed and implemented.

Studies that have reviewed multiple case studies of ICDPs have portrayed a rather negative picture ICDP performance. For example, one review of thirty-six case studies found only five examples where projects had contributed, demonstrably, to biodiversity conservation. Likewise, a review of ICDP performance in Indonesia concluded:

*...very few ICDPs in Indonesia can realistically claim that biodiversity conservation has been or is likely to be significantly enhanced as a result of current or planned activities ...3579

A fundamental premise of ICDPs is that enhanced livelihood options and incentives in and around protected areas will lead to reduced pressure on biodiversity. The premise for this assumption is that, as communities 'develop', their dependency on the range of wild and other natural resources will decline. Whilst some studies support this notion (for example, studies of deforestation in Thailand and Philippines's), others question its validity. Interestingly, there appears to be a growing divergence between the increasingly sceptical views held by donors and practitioners on ICDP performance (as reflected in the 'lessons learnt' literature); and the more positive assertions and analysis found within the other literature, especially material that seeks to provide practical guidance to ICDP practitioners. A recent workshop "Lessons Learned from ICDP practice in Vietnam" revealed clearly that the conceptual basis proposed by ICDP practitioners – that the use of development tools to achieve conservation objectives – was neither understood by implementing counterparts in national and provincial government, nor sufficiently integral to ICDP design and practice.

Some authors have suggested that enhanced living standards adjacent to protected areas can stimulate demand for meat and other wildlife products, and thus undermine conservation management objectives. There is also some anecdotal evidence that enhanced livelihood opportunities created by ICDP interventions have led to in-migration and/or higher pressures on biodiversity resources demonstrated by examples from Sumatra (forest resource use at Kerinci National Park**) and Sulawesi (scaweed harvesting at Bunaken**). However, this review did not discover any well-documented examples of this potential trend.

2.3 EQUITY ISSUES

ICDPs inherently seek to re-distribute the costs and benefits associated with natural resource management. A study of several UK DFID projects revealed that this can sometimes result in more sustainable patterns of resource use, sometimes nor. For example, the Lago Mamirana Ecological Reserve Project in Brazil balanced the costs and benefits through designing and negotiating new harvesting rules and regimes between local user and external communities. However, the resultant shifts in resource entitlements appear to have exported the over-use of biodiversity to other areas. Thus, the study argued that

ICDP projects should use the inclusion or exclusion of particular groups with great care, ensuring full consideration for social, institutional and economic sustainability⁴⁴.

For most ICDPs, rather little information is available on any resultant re-distribution of costs and benefits between different stakeholder groups, such as minority ethnic groups, women or those displaced by protected areas establishment. Also "In South and Southeast Asia, perhaps the majority of the 200-300 million people who live in close association with the forests are socially and culturally distinct from the ethnic majorities outside the forests". Often these groups are heavily dependent on resources alienated for conservation land use. Conversely, the implications of inequitable distribution of ICDP benefits to such groups on ICDP design and performance (such as the degree to which local groups comply with agreements and resource-sharing arrangements negotiated by the ICDP project) remain unclear and largely undocumented. Those that have been undertaken reveal the complexities of addressing equity in project design and benefit sharing.

Few studies within the ICDP literature pay much attention to gender issues. There are notable exceptions, and these tend to be studies and evaluations that have applied more participatory forms of analysis. One case study of an ICDP project in Zambia provides a succinct analysis of the problems that can occur if gender issues are not sufficiently well addressed:

"...there are social restrictions on female participation in community gatherings and discussions, as well as societal views that favour the education of boys rather than girls. As a result, women become further displaced and marginalised within the community, as their male counterparts are more educated and have greater access to outside opportunities. It is only by addressing these fundamental socio-cultural obstacles and developing systems that include women as partners and equal constituents of the rural community, that full participation and development opportunities for all people of the community are achieved."

A number of research studies have found that ICDPs, which base their implementation on social units that are 'inappropriate' to local and traditional forms of social organisation, may not achieve the required level of participation. This can lead to problems of equity over access to resources or benefits accruing from the ICDP, or to problems of non-compliance with 'rules' and/or 'agreements' negotiated by ICDP projects', '0', '0'. Based on anthropological research in Brazil, the implications for ICDP design and implementation of hierarchical kinship groups have been found to be significant – kinship hierarchies were found to significantly constrain the participation of certain households and family members. This was thought to have lowered prospects for 'collective action' in addressing priority resource management problems.

2.4 THREAT IDENTIFICATION

Ensuring that ICDPs respond to the underlying factors of ecologically unsustainable resource use is critical to project success. Implicit in ICDP design is the assumption that 'local people' and their resource management approaches are the underlying cause of resource degradation." Based on this assumption, ICDPs often re-orient resource use patterns in order to alleviate human pressure on protected areas. External trends (e.g., expanding market demand or improved market access for forest or wildlife products; demographic pressures) and vested interests (e.g., illegal logging, mineral extraction or ranching) are often overlooked, or avoided, perhaps because these are considered too difficult to address. Indeed, the role of other social and political actors is rarely commented upon in the literature reviewed. A study of ICDPs in Indonesia found that despite local communities being the principal focus of conservation activities:

"In a ranking of threats to the 21 PAs ... [it was] found that direct threats from local communities ranked well behind road construction, mining, logging concessions and sponsored immigration" ...

In most circumstances, most villagers or farmers within ICDP target areas will have a range of relationships and dependencies on actors such as credit providers, local officials

44 Smilli, D., Hughes, R. and Swiderska, K. (1998) Review of Lessons Learnt from DFID-supported Biodiscretity and Liebinoods Development Projects. Unpublished report for the UK Department for International Development. Internet: http://www.iicd.org/alg

45 Colchester, M. (1994) Sustaining the Ferests: The Community-Beaxst Approach in South and South-East, Asia. Development and Change 25: 69-100

46 See: a. Scall, P. (1998) From Conflict to Collaboration. People and Forests at Mount Elgan, Uganda, Gland and Cambridge: TUCN, b. Ahbre, J., Neha, S. E. and Khen, M.W. (1999) *Tuming our Eyes from the Forest.* The Role of Livelihouts Programme in Changing Attitudes and Behaviour Towards Forest Use and Conservation at Kilom-Illm Mountain Forest, Cameroon, Unpublished report for Birdlife federational. c. Watawa ght, C. (1996) Evaluating Community Based Natural Resource Maragement: A Case Study of the Luangwa Integrated Resource Development Project (LIROP), Zambia MSc Dissertation. Canterbury: Durrell Institute for Conservation d. Momberg, F., Dedy, K., Jessup, T. and Fox, J. (1995) Drawing on Local Knowledge, Community Marging as a Tract for People's Participation in Conservation Management. Attachment 4 in WWF, 1995b, Draft Report. Workshop IT of the ICDP Reviews Uscal Knowledge and Social Organisation: Feundations for Biodiversity Conservation, November 12:18, The Philippines.

47 Walnweight, C. and Wehrmeyer, W. (1998) Success in Integrating Conservation and Development. A Study from Zembia. Wark/ Development, 26 (C).

48 Gillingham (in press) Social Organisation and Participatory Resource Management in Brazillian Riberinino Communities: A Case Study of the Marbinutia Sostainable Development Reserve, Amazonas, Mamirada Project, Amazonas

49 Gibson, C. and Marks, S.A. (1995) Transforming Rural Hunters Into Conservationists: An Assessment of Confirminity-Based Wildlife Management, Programmes in Africa. World Development, 23.

50 Adams, M.W and Thomas, D.L. (1996) Conservation and Sustainable Resource Use in the Hadejfa.Jama'are Valley, Nigerfa. Gryx, 30-(2).

 Indeed, it could be argued that ICDPs are inherently designed to address problems of local resource over-exploitation.

 Wells, M., Guggenhelm, S., Khan, A., Vlardoja, W. and Jepson, P. (1998) Investing in Distinctify. A Review of Indonesia's Integrated Conservation and Gerelopment Projects. World Bank, Sast Asia Region. 53 Worsh, S. (2000) International History of RODA. In: UNDP (2000) Proceedings of Integrated Conservation and Development Protects (pages 5 (2014) Workers, 1 (4014) 13, 2000. Harolt, JNDP/World Bank/WWF.

54 Sec:

a. Kotheri, A. (1998). Ecodevalgament and Jaint Management of Protected Areas: Legal and Policy Implications. Brail Paper for Presentation at Sentinez on Ecodocomentation, Wildlife Institute of Insia, Debra Dun, Kosember 26-27, 1998. Unpublished. b. Wells, M., Guggenheim, S., Khan, A., Wardajo, W. and Jepson, P. (1998). Investing in Blothersity. A Texisies of Independent Informated Conservation and Development.

55 Colchester, M. (1994) Salwaying Nature: Indigenous Peoples, Protected Areas and Bindiversity Construction, UNRISD Discussion Papa: Geneva.

Projects, World Bank, East Asia Region.

56 See:

a Barrett, C. B. and Antose, P. (1995) Are Integrated Conservation Development Projects (TCDPs) Sustainable? On the Conservation of Large Mammals in Sus-Saharen Africa. Warld Development, 23 (7), b. Solafasky, N. (1994) Septogical Limits and Opportunities for Community-Based Conservation. In: Natural Connections. Perspectives in Community-Based Conservation, Western, D., Wright, R. and Strum, S. (eds.), Washington: Island Press.

57 Smith, D., Hughes, R. and Swiderska, K. (1998) Review of Lessons Learnt from DF1B-supported Risaliversity and Lincilhoods Development Projects. Unpublished request for the UK Department for International Development, Internet; http://www.iicd.org/tdg

58 Sees

a WHIs, M., Gugscriteim, S., Khan, A., Wardojo, W. and Jepson, P. (1998) Investing in Biodinersity. A Traview of Indonesia; Integrated Conservation and Development Projects. World Burtl, East Asia Region. b. Clarldge, G. (1997) Souldlines for Design and Implementation of Participatory Resource Movement Projects in Indonesia. Wetlands International Indonesia, Programme and ODA.

c. Bernett, C.B.& Arcese, P. (1995) Are Integrated Conservation Development Projects (ICBPS) Sistainable? On the Conservation of Large Mammats In Size-Salaran Africa, World Development, 23 (7).

59 See Gillingham (in press) Social Organisation and Participatory Resource Management in Bruzilian Ribeirinho Communities: A Case Study et the Mominaua Sustainable Development Reserve, Amazonas. Manuicana Project, Amazonas, Brazil. and landowners, most of whom are unlikely to share the same priorities or economic interests of the ICDP project.

Shortcomings in ICDPs caused by poor threat identification appear to be widespread, and relate to a number of factors. Pressures exerted by the demands of donor project cycles have undoubtedly contributed to 'tushed' project design missions in which issues and threats can easily be overlooked, misunderstood or simply ignored. Use of external consultants unfamiliar to local contexts has also been cited as a reason for inappropriate threat identification⁵⁵.

Linked to the difficult issue of addressing 'external' factors is a growing recognition that greater attention is needed to approach conservation and development approaches within the broader context of regional planning and ensuring projects realistically consider institutional, legal and tenurial constraints to securing rights and access to resources. As Colchester (1994) has pointed-out in relation to experience in Southeast Asia, "the most severe problem that forest peoples face throughout South and Southeast Asia is the lack of recognition of their customary rights to their land".

2.5 SUSTAINABILITY OF ICOP COMPONENTS

The question of how sustainable 'alternative' livelihood approaches are likely to be is increasingly questioned. Two studies undertaken of ICDPs that focus on sustainable harvesting of game animals in Africa have drawn attention to the problems that many ICDPs will face when the human populations around parks grow. These point-out that, eventually, a point will be reached when sustainable harvests can no longer provide satisfactory benefits on a cost *per capita* basis⁴⁸. One study outlined some key questions that are rarely answered before the marketing of biodiversity products is introduced as a component of ICDP design, for example:

- · How experienced are local people in marketing?
- How stable are the markets likely to be?
- What institutional relations are required for success⁵⁷?

There is also concern that few of the internationally-funded ICDPs appear to be financially or economically sustainable once external funding has been exhausted. Indeed, this review discovered a general lack of analytical and guidance literature concerning experiences of, and approaches to, such issues. Box 3 provides some common examples and Box 4 provides an example of project sustainability in Indonesia:

Box 3: Risks to the Sustainability of 1	CBP Project Components
Examples of Commonife DP Activities **Negotiating lasting resource	Sustamability Risk * Pre-existing/social/organisations and arrangements which
ulahagementkapreements	contribute to resource degradation will eventually replace. Justitutions of resource manadement agreements introduced.
 Stiringating and sustaining effective. 	and regonated by the ICDP • New enterprises introduced/or supported/by/project
, micro-enteravise, developments	thtel vehicle will compete on a supsidiscal basis with existing provide sector or sinesses. Profess; intervention would then it
	comprised distorting subsidy which when removed will a cause new activities to be unprofitable.
	Confliction political factors deter tourism at macroflevel Market size overestimated. Economism impacts on resource base.
products	Activities will prove unsustainable once the project withdraws financial or technical support or will tall to generate adequate incentives to ensourage improved resource.
	management. • New livelihood in[[]atives may prove to undernine the
	(wildlife by tourist/visitors)

Box 4: Experience of generating conservation incentives through tourism development in Indonesia

Ganerating focal menerits directly from JCPP supported projected areas CPA mas not proved easy in inchrips a following receives have not so car street up to expectations although they could become significant for a few PAs on taxa and the markie PAs with attractive coral reefs, birtry fees are very low ress than \$10 with 20% passing to local contempent and 30% to celloral government. This provides not incentive for PA managers to increase the number of visitors of improve the quality on visitor experiences, thirder existing less and organization arrangements the appointments for even the most visit of PAs to become financially self-sufficient is very limited.

2.6 MONITORING AND EVALUATION

The review revealed a real lack of objective literature on the monitoring and evaluation of ICDP projects. The few studies that have been carried out point out that ICDP projects have often failed to develop adequate monitoring and evaluation systems for measuring both the biological or developmental impacts of implementation⁶¹, ⁶². It is for this reason that drawing objective conclusions concerning overall ICDP performance, whether at the project or strategic level, is so difficult. As one study comments:

"... Since monitoring reports of previous eco-development sites are not available, it is not possible to say whether the strategy of 'diverting' pressure has worked ... in conserving wildlife ... This may well be happening, only we cannot be sure in the absence of long-term studies."

A review of DFID's livelihood and biodiversity projects concluded:

"Without monitoring of the species/ecological communities that a project may be seeking to protect or to enhance the sustainable use of, there can be little reliable evidence to show the impact of such activities."

Another study noted, "A recurring theme ... was the urgent need to replace anecdotal accumulation of ICDP results with hard data by establishing effective monitoring systems". Some projects have attempted to monitor and evaluate the impact of specific activities on development indicators, whilst others have introduced scientific and data-intensive monitoring of biodiversity. Few have attempted to link biodiversity with socio-economic monitoring. Thus, in general, it has not been possible to test whether the introduction of alternative livelihood interventions has resulted in more sustainable management of biodiversity resources. The reasons for this reluctance to include objective monitoring, evaluation and reporting are varied and often unclear. In some cases, this might be because proponents are anxious to avoid criticism in order to save face and/or retain funding.

There are a number of examples where innovations in participatory monitoring and evaluation could deliver information of real use to ICDP and protected area managers, whilst also proving more cost-effective than conventional data-intensive forms of monitoring⁶⁶, ⁶⁷, ⁶⁸.

60 Wells, M., Guggenkeim, S., Khan, A., Wardojo, W. and Japson, P. (1998) Investing in Biodiversity. A Review of Indocesia's Integrated Contervation and Development Projects, World Bank, East Asia Region.

- 61 Examples of studies that have commented on inadequacits of baseline data and weaknexes in structural inspituring of biodiversity impacts include:
- a. Kremen, C., Merenlander and Murphy, D. (1994) Ecological Monitoring: A Vital Need for Unlegisted Conservation and Development, Projects in the Trogles. Conservation Biology, A (2).
- b. Larson, P., Freudenberger, M. and Wyckoff-Baird, B. (1997) Lessons from the Field: A Review of World Wildlife Enac's Experience with Integrated Conservation and Development Projects 1905-1996. Final Draft Report, US:WWF.
- 62 Smith, D., Hughes, R. and Swiderska, K. (1998) Review of Lessons Learnt from DETD-supported Biodiversity and Linelihoods development Projects. Unpublished report for the UK Department for International Development, Internet: http://www.iied.org/bilg
- 63 Kotharl, A. (1998) Ecodesetopment and Joint Management of Protected Arces: Legal and Polity Implications, Broth Paper for Presentation at Sentinar on Ecodocumentation, Wildlife Institute of India, Deliza Duri, November 26 27 1998. Unpublished.
- 64 Smith, D., Hughes, R. and Swiderska, K., (1998) Review of Lessons Learnt from OFIO-supported Biodiversity and Linchlinoids Development Projects. Unpublished report for the UK Department for International Development. Internet: http://www.iled.org/blg

- 65 Keziell, I., Dalal-Clayton, B., Fabricius, C. and Hughes, R. (1998) Particlestory Biodiversity Conservation in Brazil and Indunesia: A Comparative Review of Practical Experience in Two DFID-Supported Projects. Unpublished draft prepared by IEED
- 66 Steinmetz, R. (2000) Ecological Surveys, Monitoring and the Involvement of Local People in Protected Areas of Loc P.O.R. Euglauting Ede Discussion Paper No. 13, Landon: International Institute for Environment and Development.
- 67 Ablact, J. and Buljt, I. 11998) Changing Views on Change: Participatory /govoaches to Monitoring the Environment, SARL Discussion Paper No.2, July 1998. London; International Institute for Environment and Dissilications.
- 6B Abbot, J., Neba, S. E. and Khen, M. W. (1999) "Turning Our Eyes from the Forest!" The Role of the Livelihoods Programme at the Killum-IJhm Forest Project in Cameroum in Changing Attitudes and Behaviour Towards Forest Use and Conservation. BED report to Birdille International, Combridge

3.0 NEXT STEPS

A few overall recommendations for further work can be drawn from the literature reviewed. These include the following:

Further research

- More rigorous validation of the assumptions on which ICDPs are based, as there is still
 insufficient empirical evidence to suitably 'prove' the case.
- More effective learning from successful ICDPs, especially with regard to the criteria for success (e.g., what are the appropriate 'enabling conditions' for ICDPs to succeed; what design characteristics do they share; or how can levels of flexibility and responsiveness in project design be balanced with the needs of donors?)

Threat analysis

- Less reliance on untested assumptions of threats to protected areas.
- Less reliance on consultants unfamiliar with national and local contexts to design projects.
- Greater attention to careful problem analysis that gives careful consideration to both direct, indirect and external factors. Analysis of the influence on the project of the wider policy and institutional context is especially important as this can have an enormous influence on whether the project will succeed or not. ICDPs should be more aware of and be able to respond to such factors.
- Introduction of design approaches that are careful to respond to local knowledge and experience (e.g., by using participatory research and planning methodologies).

Design

- Greater attention to developing appropriate design processes and approaches, such as combining participatory and conventional approaches to problem analysis and planning.
- Greater attention to analysing equity issues, such as actual or potential impacts on ethnic, gender and different age groups and on stakeholders residing inside and outside protected areas and ICDPs.
- Project design needs to demonstrate that ICDPs don't simply export or relocate problems elsewhere!
- Plan for long-term commitment: start small, learn and scale-up gradually as capacity improves.

Monitoring and Evaluation

- Institutionalise rigorous monitoring and evaluation (M&E) systems, using appropriate
 indicators (special efforts need to go into developing indicators that link biodiversity
 conservation and livelihood interests) and avoiding the collection of superfluous data.
 A procedure whereby the data collected can be independently verified would help institute greater transparency. Whilst some indicators will be generic to many ICDPs, others
 will be location and context specific. Monitoring and evaluation needs to be fully integrated into project design.
- M&E systems should inform ICDP project management, partners and donors alike.

4.0 BIBLIOGRAPHY OF ICDP LITERATURE

Case Studies: [CDP in Practice

The following reports and publications include documented experience and analysis of ICDP-related activities in practice.

General and Miscellaneous

- BCN (1997) Stories From the Field. Internet: http://bcnet.org/text/projects.htm.
- Bloch, P. (1993) Buffer Zones, Buffering Strategies, Resource Tenure, and Human-Natural Resource Interaction in the Peripheral Zones of Protected Areas in sub-Saharan Africa. Madison, WI: Land Tenure Center.
- Bookbinder, M., Dinerstein, E., Rijal, A., Cauley, H. and Rajouria, A. (1998) Ecotourism's Support of Biodiversity Conservation. Conservation Biology, 12 (6): 1399-1404.
- 4. Brandon, K., Redford, K. and Sanderson, S. (eds.) (1998) Parks in Peril. People, Politics and Protected Areas. Washington: Island Press.
- Brandon, K.E. and Wells, M. (1992) Planning for People and Parks: Design Dilemmas. World Development, 20 (4): 557-570.
- Clay, J.W. (1996) Generating Income and Conserving Resources: Twenty Lessons from the Field. Washington: WWF.
- Cuello, C., Brandon, K. and Margoulis, R. (1998) Costa Rica: Corcovado National Park. In: Parks in Peril. People, Politics and Protected Areas. K. Brandon et al. Washington: Island Press.
- 8. FAO (1997) Wildlife and Protected Area Management. A Compendium of FAO Implemented Projects and Related Bibliography, 1975-1996. Rome: FAO.
- Smith, D., Hughes, R. and Swiderska, K. (1998) Review of Lessons Learnt from DFID-supported Biodiversity and Livelihoods Development Projects. Unpublished report for the UK Department for International Development. Interact: http://www.iied.org/blg
- 10. HED (1994) Whose Eden? An Overview of Community Approaches to Wildlife Management. London: International Institute for Environment and Development for the Overseas Development Agency.
- Larson, P., Freudenberger, M. and Wyckoff-Baird, B. (1998) WWF Integrated Conservation and Development Projects: Ten Lessons from the Field 1985-1996. Washington: WWF.
- 12. Larson, P., Freudenberger, M. and Wyckoff-Baird, B. (1997) Lessons from the Field: A Review of World Wildlife Fund's Experience with Integrated Conservation and Development Projects 1985-1996, Final Draft Report. US: WWF.
- 13. McShane, T. (1999) Voyages of Discovery: Four Lessons from the NEDA-WWF Tropical Forest Portfolio. Draft, Unpublished Report. Internet site: http://www.panda.org/resources/publications/forest/voyage
- 14. Sanjayan, M.A., Shen, S. and Janson, M. (1997) Experiences with Integrated-Conservation Development Projects in Asia. Washington: World Bank.

- 15. Sholte, P. (1997) Immigration a Time Bomb Under Integrated Conservation and Development Projects. Unpublished Document.
- Wells, M., Brandon, K. and Hannah, L. (1992) People and Parks: Linking Protected Area Management with Local Communities. Washington D.C: World Bank, WWF, USAID.
- 17. Wilcox, E.S. (1994) Lessons from the Field: Marine Integrated Conservation and Development. World Wildlife Fund.
- 18. WWF (1995) Final Draft Report. Workshop 1 of the ICDP Review: Linking Conservation and Human Needs: Creating Economic Incentives. April 30-May 6, Mexico.
- 19. WWF (1995) Draft Report. Workshop II of the ICDP Review: Local Knowledge and Social Organization: Foundations for Biodiversity Conservation. November 12-18, The Philippines.
- 20. WWF (1996) Final Draft Report. Workshop IV of the ICDP Review: Measuring the Conservation Impact of ICDPs. December 4-7, Arusha.
- 21. WWF (1996) Final Draft Report. Workshop III of the ICDP Review: The Enabling Environment for ICDPs: Policies, Institutions, and Ethical Dilemmas at Local, National and International Levels. May 5-9, Syria, Virginia, US.

Examples from Africa

- 22. Abbot, J., Neba, S.E. and Khen, M. W. (1999) Turning our Eyes from the Forest. The Role of Livelihoods Programmes in Changing Attitudes and Behaviour towards Forest Use and Conservation at Kilum-Ijim Mountain Forest, Cameroon. Unpublished report for Birdlife International.
- 23. Adams, W.M. and Thomas, D.L. (1996) Conservation and Sustainable Resource Use in the Hadejia-Jama'arc Valley, Nigeria. Oryx, 30 (2): 131-142.
- 24. Barrett, C.B. and Arcese, P. (1995) Are Integrated Conservation-Development Projects (ICDPs) Sustainable? On the Conservation of Large Mammals in sub-Saharan Africa. World Development, 23 (7): 1073-84.
- 25. Blomley, T. (2000) Woodlots, Woodfuel and Wildlife: Lessons learnt from the Queen Elizabeth National Parks Fishing Villages Project, Uganda. Paper prepared for the seminar, Integrated Conservation with Development: Contradiction of Terms? Copenhagen, Denmark, 4-5 May, 2000.
- Burynski, T. and Kalina, J. (1998) Gorilla Tourism: A Critical Look. In: Conservation of Biological Resources. E. Milner-Gulland and R. Mace. London: Blackwell Science.
- 27. Cochrane, J.E., Mackenkie, C. and Ratcliffe, J. (1994) Microenterprise Establishment: Lore Lindu NP, Jakarta. The Nature Conservancy.
- 28. Dalal-Clayton D.B. and Child, B. (2000) Lessons from Luangwa: A Historical Review of the Luangwa Integrated Resource Development Project, Zambia. Wildlife and Development Series No.13. London: International Institute for Environment and Development.
- 29. Durbin, J. and Ralambo, J. (1994) The Role of Local People in the Successful Maintenance of Protected Areas in Madagascar. *Environmental Conservation*, 21 (2): 115-120.
- 30. Durbin, J. and Ratrimoarisaona, S. (1996) Can Tourism Make a Major Contribution to the Conservation of Protected Areas in Madagascar? *Biodiversity and Conservation*, 5: 345-353.

- 31. Fotso, R.C. (1996) Two Models for Biodiversity Conservation and Community Development Integrated Projects in Cameroon. Paper presented at the Pan African Symposium on Sustainable Use of Renewable Natural Resources and Community Participation, Harate, 24-27, June 1996.
- 32. Gezon, L. (1997) Political Ecology and Conflicts in Ankarana, Madagascar. Ethnology, 36 (2): 85-100.
- Ghimire, K. (1994) Parks and People: Livelihood Issues in National Park Management in Thailand and Madagascar. Development and Change, 25 (1):195-229.
- 34. Gibson, C. and Marks, S.A. (1995) Transforming Rural Hunters into Conservationists: An Assessment of Community-Based Wildlife Management Programmes in Africa. World Development, 23: 941-957.
- 35. Hannah, L., et al. (1998) Participatory Planning, Scientific Priorities and Landscape Conservation in Madagascar. *Environmental Conservation*, 25 (1): 30-36.
- 36. Infield, M. and Adams, W. (1999) Institutional Sustainability and Community Conservation: A Case Study from Uganda. *Journal for International Development*, 11 (2).
- 37. Ite, U. E. (1996) Community Perceptions of the Cross River National Park, Nigeria. *Environmental Conservation*, 23 (4): 351-357.
- 38. Kijazi, A.J.H. (1996) Multiple Land Use Protected Areas: Experience from the Ngorongoro Conservation Area, Paper presented at the Pan African Symposium on Sustainable Use of Renewable Natural Resources and Community Participation, Harare, 24-27, June 1996.
- 39. Kiss, A. (1990) Living with Wildlife: Wildlife Resource Management with Local Participation in Africa. World Bank Technical Paper No 130. Washington, DC: The World Bank.
- Kothari, A. (1998) Ecodevelopment and Joint Management of Protected Areas: Legal and Policy Implications. Draft Paper for presentation at Seminar on Ecodocumentation, Wildlife Institute of India, Dehra Dun, November 26-27,1998.
- 41. Lance, T. (1995) Conservation Politics and Resource Control in Cameroon: The Case of Korup National Park and its Support Zone. Paper presented at the African Studies Association Annual Meeting, Orlando, Florida (4 November).
- 42. McShane, T. (1989) Wildlands and Human Needs: Resource Use in an African Protected Area. Landscape and Urban Planning, 19:145-158.
- 43. Newby, J.E. (1992) Parks for People A Case Study from the Air Mountains of Niger. Oryx, 26 (1):19-28.
- 44. Newby, S. (1996) The Strengths and Weaknesses of Integrated Conservation and Development Projects: Lessons Learnt from Cameroon, MA Thesis, University of East Anglia, UK.
- 45. Oates, J.F. (1995) The Dangers of Conservation by Rural Development A Case Study from the Forests of Nigeria. Oryx, 29 (2): 115-121.
- 46. Peters, W.J. (1997) Local Participation in Conservation of the Ranomafana National Park, Madagascar. *Journal of World Forest Resource Management*, 8:109-135.
- 47. Peters, J. (1998) Transforming the Integrated Conservation and Development Project (ICDP) Approach: Observations From the Ranomafana National Park Project, Madagascar. Journal of Agricultural and Environmental Ethics, 11:17-47.

- 48. Peters, J. (1999) Understanding Conflicts Between People and Parks at Ranomafana, Madagascar. Agriculture and Human Values, 16: 65-74.
- 49. Phiri, E. and Butler, C. (1998) A Case Study of Local Community Initiatives Towards the Sustainable Use of Natural Resources. Kakumbi Natural Resources Management Business in the Luangwa Integrated Resources Development Project (LIRDP) in Zambia. A paper presented at the Scandinavian Seminar Workshop Conference, Harare, September 1998.
- 50. Project Elgon (1999) Local Community Perceptions of the Socio-economic and Cultural Consequences of Conservation and Tourism. Internet site: http://www.abdn.ac.uk/elgon/percept.html
- 51. Rakotonindrina, R. (1998) The Economic Reality of the Participation of Local Communities in Biosphere Reserves: A Case from Madagascar. *Biosphere Reserves Mythor Reality?* Gland: IUCN.
- 52. Scott, P. (1998) From Conflict to Collaboration. People and Forests at Mount Elgon, Uganda. Gland and Cambridge: IUCN.
- 53. Shyamsundar, P. (1996) Constraints on Socio-Buffering around the Mantadia National Park in Madagascar. *Environmental Conservation*, 23 (1): 67-73.
- 54. Songorwa, A. (1999) Community-Based Wildlife Management (CWM) in Tanzania: Are the Communities Interested? World Development, 27 (12): 2061-2079.
- 55. Stein, R. (1996) Integrating Rural Development and Nature Conservation in Northern Madagascar. *Ecology and Farming*, September, 12-14.
- Stocking, M. and Perkin, S. (1992) Conservation-with-Development: An Application
 of the Concept in the Usambara Mountains, Tanzania, Transactions of the Institute of
 British Geographers, 17:337-49.
- 57. Turyaho, M. (1996) Working with Pastoralists, Farmers and Fisherman in Order to Establish the Integrity of Lake Mburo National Park in Uganda. Paper presented at the Pan African Symposium on Sustainable Use of Renewable Natural Resources and Community Participation, Harare, 24-27, June 1996.
- 58. Wainwright, C. (1996) Evaluating Community Based Natural Resource Management: A Case Study of the Luangwa Integrated Resource Development Project (LIRDP), Zambia. MSc Dissertation, DICE, University of Kent.
- Wainwright, C. and Wehrmeyer, W. (1998) Success in Integrating Conservation and Development? A Study from Zambia. World Development, 26 (6): 933-944.
- 60. Wild, R.G. and Mutchi, J. (1996) Conservation through Community Use of Plant Resources. Establishing Collaborative Management at Bwindi Impenetrable and Mgahinga Gorilla National Parks, Uganda. People and Plants Working Paper No 5. Paris: UNESCO.
- 61. Wild, R.G. and Mutebi, J. (1997) Bwindi Impenetrable Forest, Uganda: Conservation Through Collaborative Management. *Nature & Resources*, 33 (3-4): 33-51.
- 62. Shyamsundar, P.(1996) Constraints on Socio-Buffering around the Mantadia National Park in Madagascar. *Environmental Conservation*, 23 (1): 67-73.
- 63. Stein, R. (1996) Integrating Rural Development and Nature Conservation in Northern Madagascar. *Ecology and Farming*, September, 12-14.

Examples from Asia-Pacific

- 64. Albers, H.J. and Grinspoon, E. (1997) A Comparison of the Enforcement of the Access Restrictions between Xishuangbanna Nature Reserve (China) and Khao Yai National Park (Thailand). *Environmental Conservation*, 24 (4): 351-362.
- 65. Ameeruddy, Y. (1994) Local Representations and Management of Agroforests on the Periphery of Kerinci Seblat National Park, Sumatra, Indonesia. People and Plants Working Paper, October. Paris: UNESCO.
- 66. Barber, C.V. (1995) Integrating Biodiversity Conservation and Development in the Asia-Pacific Region: Projects, Policies, Problems and Potentials. In: Biodiversity Conservation in the Asia Pacific Region: Constraints and Opportunities. Asian Development Bank and the World Conservation Union. Manila: ADB.
- BCN (1995) Evaluating and Enterprise-Oriented Approach to Community-Based Conservation in the Asia/Pacific Region. Biodiversity Conservation Network 1995 Annual Report. Washington: WWF.
- 68. Chape, S. (1996) Biodiversity Conservation, Protected Areas and the Development Imperative in Lao PDR: Forging the Links. Lao PDR: IUCN,
- 69. Claridge, G. and O' Callaghan, B. (eds.) (1995) Community Involvement in Wetland Management: Lessons from the Field. Incorporating the Proceedings of Workshop 3: Wetlands, Local People and Development of the International Conference on Wetlands and Development, 8-14 October 1995, Selangor, Malaysia. Unpublished.
- 70. Cochrane, J.E., Mackenkie, C and Rateliffe, J. (1994) Microenterprise Establishment: Lore Lindu NP, Jakarta. The Nature Conservancy.
- Fox, J., Yonzon, P. and Podget, N. (1996) Mapping Conflicts Between Biodiversity and Human Needs in Langtang National Park, Nepal. Conservation Biology, 10 (2): 562-569.
- 72. Ghimire, K. (1994) Conservation and Social Development. A Study Based on an Assessment of Wolong and other Panda Reserves in China. UNRISD Discussion Paper DP56. Geneva: UNRISD.
- 73. Ghimire, K. (1994) Parks and People: Livelihood Issues in National Park Management in Thailand and Madagascar. *Development and Change*, 25 (1):195-229.
- 74. Johnson, A. (1997) Processes for Effecting Community Participation in the Establishment of Protected Areas: A Case Study of the Crater Mountain Wildlife Management Area. In: The Political Economy of Forest Management in Papua New Guinea. Filer, C.(ed). NRI Monograph 21. Port Moresby/ London: NRI, IED.
- Koziell, I., Dalal-Clayton, B., Fabricius, C. and Hughes, R. (1998) Participatory Biodiversity Conservation in Brazil and Indonesia: A Comparative Review of Practical Experience in Two DFID-Supported Projects. Unpublished draft prepared by HED for DFID.
- 76. Mahidol (undated) The History of Khao Nor Chuchi: The Lowland Forest Project. Internet: http://diamond.mahidol.ac.th/~findsr/fitle_KNCP_E.htm
- 77. McQuistan, C. (1999) Community and Buffer Zones for the Future of Thai Forests. Conservation and Sustainable Rural Development Project. Thailand Environment Institute.

- 78. Mittelman, A. (2000) Conservation and Development Linkages: Lessons Learned from 15 years of ICDP Experience in Thailand. Paper prepared for presentation at an International Seminar on Integrated Conservation and Development: Contradiction of Terms? Copenhagen, Denmark, 4-5 May 2000. Care Denmark, DANCED, DANIDA.
- Sekhran, N. (1996) Pursuing the 'D' in Integrated Conservation and Development Projects (ICADs): issues and Challenges for Papua New Gumea. RDF Network papers, No 19b. London: ODI.
- 80. Sharma, U.R. and Shaw, W.W. (1996) Nepal: 'Impact Zones' and Conservation. An Innovative Approach to Securing the Boundaries of the Royal Chirwan National Park. *The Rural Extension Bulletin* No 10.
- 81. Stevens, S. (1997) Consultation, Co-management, and Conflict in Sagarmatha (Mount Everest) National Park. In: Conservation Through Cultural Survival: Indigenous Peoples and Protected Areas. Stevens, S. Washington: Island Press.
- 82. Stevens, S. (1997) Annapurna Conservation Area: Empowerment, Conservation and Development in Nepal. In: Conservation Through Cultural Survival: Indigenous Peoples and Protected Areas. Stevens, S. Washington: Island Press.
- 83. Truong Van Thuyen (1998) Management of Biological Resources in Tam Giang Lagoon: Issues, Participatory Research Application, and Challenges. Internet site: http://www.idrc.ca/cbnrm/documents/publications/tuyen.html
- 84. Wells, M., Guggenheim, S., Khan, A., Wardojo, W. and Jepson, P. (1998) Investing in Biodiversity. A Review of Indonesia's Integrated Conservation and Development Projects. World Bank, East Asia Region.

Examples from Latin America and the Caribbean

- 85. Berke, P. and Beatley, T. (1995) Sustaining Jamaica's Forest: The Protected Areas Resource Conservation Project. Environmental Management, 19 (4): 527-545.
- 86. Bodmer, R et al. (1995) Linking Conservation and Local People through Sustainable Use of Natural Resources: Community-Based Management in the Peruvian Amazon. A WWF Case Study. Unpublished report.
- 87. Brown, K. and Rosendo, S. (2000) The Institutional Architecture of Extractive Reserves in Rondonia, Brazil. *The Geographical Journal*, 166 (1): 35-48.
- 88. Bruggemann, J. (1997) National Parks and Protected Area Management in Costa Rica and Germany: A Comparative Analysis In: Social Change and Conservation. Ghimire, K. and Pimbert, M., London: Earthscan.
- 89. Cuello, C., Brandon, K. and Margoulis, R. (1998) Costa Rica: Corcovado National Park. In: *Parks in Peril. People, Politics and Protected Areas.* K. Brandon *et al.* Washington: Island Press.
- 90. Daniele, C.L., Gómez, I and Zás, M. (1993) Comparative Analysis of the Biosphere Reserves of Argentina. *Nature & Resources*, 29 (1-4): 39-46.
- 91. Herlihy, P. (1997) Indigenous Peoples and Biosphere Reserve Conservation in the Mosquitia Rain Forest Corridor, Honduras. In: Conservation Through Cultural Survival: Indigenous Peoples and Protected Areas. Stevens, S. Washington: Island Press.
- 92. Hughes, R. and Botelho, E. (2000) Environmental Impacts of Support for Phase 2 of the Mamiraná Sustainable Development Reserve: A Scoping Study. Report to Sociedade Civil Mamirauá (SCM) and Department for International Development (DFID).

- 93. Koziell, I., Dalal-Clayton, B., Fabricius, C. and Hughes, R. (1998) Participatory Biodiversity Conservation in Brazil and Indonesia: A Comparative Review of Practical Experience in Two DFID-Supported Projects. Unpublished draft prepared by HED for DFID.
- 94. Oliveira, R. and Anderson, E.S. (1999) Gender, Conservation and Community Participation: The Case of the Jaú National Park, Brazil. MERGE Case Study No. 2. US: University of Florida. Internet site: http://www.tcd.ufl.edu/merge/Case2Eng.html
- Richards, M. (1996) Protected Areas, People and Incentives in the Search for Sustainable Forest Conservation in Honduras. *Environmental Conservation*, 23 (3): 207-247.
- 96. Sundberg, J. (1997) NGO Landscapes: Conservation in the Maya Biosphere Reserve, Petén Guatemala. Internet: http://www.txinternet.com/mader/planeti/97/1197 maya.html
- 97. Taber, A, Navarro, G. and Arribas, M. (1997) A New Park in the Bolivian Gran Chaco An Advance in Tropical Dry Forest Conservation and Community-Based Management. Oryx, 31 (3):189-198.

Practical guidance for design, stakeholder involvement, monitoring and evaluation

The following documents provide useful insights:

Planning and Design

- 98. Bortini-Feyeraband, G. (ed.) (1997) Beyond Fences, Seeking Social Sustainability in Conservation. Volume 1: A Process Companion. Gland: IUCN.
- 99. Borrini-Feyerabaud, G. (ed.) (1997) Beyond Fences. Seeking Social Sustainability in Conservation. Volume 2: A Resource Book. Gland: IUCN.
- 100. Brown, M. and Wyckoff-Baird, B. (1994) Designing Integrated Conservation and Development Projects. The Biodiversity Support Program. Washington DC: USAID.
- 101. Margoulis, R. and Salafsky, N. (1997) Measures of Success: A Systematic Approach to Designing, Managing and Monitoring Community-Oriented Conservation Projects. Adaptive Management Series, Biodiversity Support Program. Washington: WWF.
- 102. McNally, R. (1998) Project Economics Manual. Economic Instruments in the Design of Integrated Conservation and Development Projects (ICDPs). A WWF-UK Draft paper.
- 103. Momberg, F., Dedy, K., Jessup, T. and Fox, J. (1995) Drawing on Local Knowledge. Community Mapping as a Tool for People's Participation in Conservation Management, Attachment 4 in WWF, 1995b, Draft Report. Workshop II of the ICDP Review: Local Knowledge and Social Organisation: Foundations for Biodiversity Conservation, November 12-18, The Philippines.
- 104. Oldfield, S. (1988) Buffer Zone Management in Tropical Moist Forests: Case Studies and Guidelines. Gland: IUCN.
- 105. Wild, R.G. and Mutebi, J. (1996) Conservation through Community Use of Plant Resources. Establishing Collaborative Management at Bwindi Impenetrable and Mgahinga Gorilla National Parks, Uganda. People and Plants Working Paper No 5. Paris: UNESCO.

- 106. Worah, S., Svendsen, D.S. and Ongleo, C. (1999) Integrated Conservation and Development: A Trainer's Manual. ICDP Training Programme. Asian Institute of Technology, Thailand. Godalming: WWF.
- 107. WWF (1996) Final Draft Report. Workshop III of the ICDP Review: The Enabling Environment for ICDPs: Policies, Institutions, and Ethical Dilemmas at Local, National and International Levels', May 5-9, Syria, Virginia, US.
- 108. WWF-India (1996) Participatory Management Planning for the Keoladeo National Park, New Delhi, India, Delhi; Ayenash Datta on behalf of WWF-India.

Involving Stakeholders

- 109. Abbot, J., Neba, S.E. and Khen, M. W. (1999) Turning our Eyes from the Forest. The Role of Livelihoods Programme in Changing Attitudes and Behaviour Towards Forest Use and Conservation at Kilum-Ijim Mountain Forest, Cameroon. Unpublished report for Birdlife International.
- 110. Ameeruddy, Y. (1994) Local Representations and Management of Agroforests on the Periphery of Kerinci Seblat National Park, Sumatra, Indonesia. People and Plants Working Paper, October, Paris: UNESCO.
- 111. Ashley, C. and Roe, D. (1998) Enhancing Community Involvement in Wildlife Tourism: Issues and Challenges. IED Wildlife and Development Series, No 11.
- 112. Brown, M. and Wyckoff-Baird, B. (1994) Designing Integrated Conservation and Development Projects. The Biodiversity Support Program. Washington DC: USAID.
- 113. Durbin, J. and Ralambo, J. (1994) The Role of Local People in the Successful Maintenance of Protected Areas in Madagascar. *Environmental Conservation*, 21 (2): 115-120.
- 114. Fox, J., Yonzon, P. and Podger, N. (1996) Mapping Conflicts Between Biodiversity and Human Needs in Langtang National Park, Nepal. Conservation Biology, 10 (2): 562-569.
- 115. Ghimire, K. (1994) Parks and People: Livelihood Issues in National Park Management in Thailand and Madagascar. *Development and Change*, 25 (1):195-229.
- 116. Johnson, A. (1997) Processes for Effecting Community Participation in the Establishment of Protected Areas: A Case Study of the Crater Mountain Wildlife Management Area. In: The Political Economy of Forest Management in Papua New Guinea. Filer, C. (ed.). NRI Monograph 21. Port Moresby and London: NRI, IIED
- 117. Lewis, C. (1996) Managing Conflicts in Protected Areas. Gland: IUCN.
- 118. Nepal, S.K. and Weber, K. E. (1995) Managing Resources and Resolving Conflicts: National Parks and Local People. International Journal of Sustainable Development and World Ecology, 2:11-25.
- 119. Oliveira, R. and Anderson, E.S. (1999) Gender, Conservation and Community Participation: The Case of the Ja National Park, Brazil. MERGE Case Study No. 2. US: University of Florida, Internet site: http://www.tcd.ufl.edu/merge/Case2Eng.html
- 120. Parry, D. and Campbell, B. (1992) Attitudes of Rural Communities to Animal Wildlife and its Utilization in Chobe Enclave and Mababe Depression, Botswana. *Environmental Conservation*, 19 (3): 245-52.
- 121. Pimbert, M., Gujja, B. and Shah, M. (1996) Village Voices Challenging Wetland Management Policies: PRA experiences from Pakistan and India. *PLA Notes*, October.

- 122. Rakotonindrina, R. (1998) The Economic Reality of the Participation of Local Communities in Biosphere Reserves: A Case from Madagascar. Biosphere Reserves Myth or Reality? Gland: IUCN.
- 123. Richards, M. (1996) Protected Areas, People and Incentives in the Search for Sustainable Forest Conservation in Honduras. *Environmental Conservation*, 23 (3): 207-247.
- 124. Schmink, M. (1999) Conceptual Framework for Gender and Community-Based Conservation. MERGE Case Study No. 1. US: University of Florida. Internet: http://www.tcd.ufl.edu/merge/Case1Eng.html.
- 125. Scott, P. (1998) From Conflict to Collaboration. People and Forests at Mount Elgon, Uganda. Gland and Cambridge: IUCN.
- 126. Stevens, S. (1997) Consultation, Co-management, and Conflict in Sagarmatha (Mount Everest) National Park. In: Conservation Through Cultural Survival: Indigenous Peoples and Protected Areas. Stevens, S. Washington: Island Press.
- 127. Wild, R.G. and Mutchi, J. (1997) Bwindi Impenetrable Forest, Uganda: Conservation through collaborative management. Nature & Resources, 33 (3-4): 33-51.
- 128. Wild, R.G. and Mutebi, J. (1996) Conservation through Community Use of Plant Resources. Establishing Collaborative Management at Bwindi Impenetrable and Mgahinga Gorilla National Parks, Uganda. People and Plants Working Paper No 5. Paris: UNESCO.

Monitoring and Evaluation

- 129. BCN (1995) 1995 Annual Report. Evaluating Enterprise-Oriented Approaches to Community-Based Conservation in the Asia/Pacific Region. Biodiversity Conservation Network. Washington: WWF.
- 130. Kremen, C., Merenlender, A. and Murphy. D. (1994) Ecological Monitoring: A Vital Need for Integrated Conservation and Development Projects in the Tropics. Conservation Biology, 8 (2): 388-397.
- 131. Larson, P. and Svendsen, D.S. (1995) Participatory Monitoring and Evaluation: A Practical Guide to Successful ICDPs. Social Science and Economics Program. Washington DC: WWF.
- 132. Saterson, K. (1996) Symposium Abstract. Measuring Conservation Impact: An Interdisciplinary Approach to Project Monitoring and Evaluation. Biodiversity Support Program, Washington. Internet: http://ecomod.tamu.edu/ecomod/impact.html
- 133. Steinmetz, R. and Mather, R. (1996) Impact of Karen Villages on the Fauna of Thung Yai Naresuan Wildlife Sanctuary: A Participatory Research Project. *Natural History Bulletin Siam Society*, 44: 23-40.
- 134. WWF (1996) Final Draft Report. Workshop IV of the ICDP Review: Measuring the Conservation Impact of ICDPs, December 4-7, Arusha.



Biodiversity &
Livelihoods Group
International Institute
for Environment and
Development
3 Endsleigh Street
LONDON
WC1H ODD
UK
Email:
blodiversity@lied.org

Integrating Conservation and Development Experience: A Review and Bibliography of the ICDP Literature

First introduced in the mid-1980s by the World Wide Fund for Nature, Integrated Conservation and Development Projects (ICDPs) are most often defined as biodiversity conservation projects with rural development components. Initially viewed as a 'radical divergence' from strict preservationist approaches to wildlife and protected area management, ICDPs have tried to become more in tune with sustainable rural development needs. Nowadays, many ICDPs are mainly distinguishable by their location - usually near a protected area or sensitive or threatened ecosystem. Over the years, however, the ICDP concept has faced many difficult challenges. This publication is an attempt to extract and synthesize some of the key issues surrounding ICDPs, their design and implementation, from existing literature.

The Biodiversity and Livelihoods Group of HED aims to develop and promote tools, processes and institutions to create positive synergies between biodiversity conservation and its sustainable use and development. The work focuses in particular on improving the integration of biodiversity and livelihoods policies and understanding the value of biodiversity to different groups. The Group also aims to strengthen the ability of marginalised groups to realise the full spectrum of values of biodiversity. BLG undertakes policy research, capacity strengthening and awareness raising activities, working with other programmes at HED and with a range of Southern and international organisations.

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