



# IIED Publications

 natural resource issues

## Natural Resource Issues

Natural resources and the livelihoods of those dependent upon them are at risk.

As the pressures and trade-offs between natural resources become increasingly evident, investment, production and consumption patterns are being reshaped. Large-scale land acquisitions and volatile commodity prices have highlighted the vulnerability of the poor to food and energy price rises and the associated drain on natural resources, including:

- Biodiversity
- Energy
- Food
- Forests
- Land
- Water

The Natural Resource Issues series presents topical, peer-reviewed information on issues affecting these sectors and the rural poor. We work with local researchers to document opportunities for benefit sharing and smallholder investment, whilst generating evidence and conclusions relevant for policy makers, investors, donor agencies and practitioners.

Natural Resource Issues can be downloaded for free from [www.iied.org/nriseries](http://www.iied.org/nriseries) and hard copies purchased at [www.earthprint.com](http://www.earthprint.com).



New

### Pro-poor certification: Assessing the benefits of sustainability certification for smallholder farmers in Asia

Natural Resource Issues 25

**Emma Blackmore, James Keeley  
with Rhiannon Pyburn, Ellen  
Mangus, Lu Chen, Qiao Yuhui**

Enabling small-scale farmers to engage in global markets for their produce is a pressing issue for many countries. Sustainability certification schemes such as organic, Fairtrade, Rainforest Alliance, Utz Certified and CAFÉ Practices can help small-scale farmers access new export markets. But do certification schemes and labelling strategies for products from particular geographical areas deliver benefits to poor and marginalised farmers? Using a review of the evidence and new case studies, this report assesses the relevance of certification schemes for coffee, tea and cotton farmers in China, India, Indonesia and Vietnam.

2012 ISBN 978-1-84369-843-2, 142pp, US\$35  
Order no: 14604IIED



New

### Bundles of energy: the case for renewable biomass energy

Natural Resource Issues 24

**Duncan Macqueen, Sibel  
Korhaililler**

This report aims to inform forest and energy decision makers in non-OECD countries of key issues surrounding the biomass energy boom. It describes the advantages and challenges of biomass, how it compares with renewable alternatives, and how to develop policy frameworks that optimise its impact on poverty reduction, climate change mitigation and the preservation of ecosystem services. It seeks to stimulate interest in the topic and promote serious discussion about how the full potential of biomass energy can be harnessed in the service of national interests.

2011, ISBN 978-1-84369-792-3, 94pp, US\$35  
Order no. 13556IIED

Order from: [www.earthprint.com](http://www.earthprint.com)

## Water ecosystem services

Freshwater ecosystem services — the benefits obtained by people from rivers, swamps, floodplains and groundwater systems — are central to human wellbeing. But these services are being degraded and the poor are being hit hardest. Our research in this area explores issues of irrigation and agricultural water use, benefits and externalities, and resilience to climate change — while promoting equitable allocation and effective governance of water services.



### Water ecosystem services and poverty under climate change: Key issues and research priorities

Natural Resource Issues 17

**James Mayers, Charles Batchelor, Ivan Bond, Robert Hope, Elaine Morrison, Breana Wheeler**

Benefits to people from water ecosystems like rivers, swamps, floodplains and groundwater systems are central to human wellbeing. But ecosystems are in trouble and freshwater ecosystem services are particularly vulnerable. Water problems for poor people are exacerbated by the abuse of ecosystems, and global climate change looks certain to increase the stresses and variability they face. To help shape a research programme proposed by the UK Department for International Development (DFID), this report seeks to highlight some of the critical issues facing water ecosystem services in Africa, South Asia and Latin America and makes recommendations on the research that is needed to fill the current gaps in knowledge and practice.

2009, ISBN 978-1-84369-687-2, 75pp, US\$25  
Order no. 13549IIED



### Fair deals for watershed services: Lessons from a multi-country action-learning project

Natural Resource Issues 13

**Ivan Bond, James Mayers**

This overview report and associated country case studies provide in-depth information on this action learning project.

2010, ISBN 978-1-84369-646-9, 112pp, US\$25  
Order no. 13535IIED

#### Bolivia

**English:** 2007, ISBN 978-1-84369-644-5, US\$18  
Order no. 13536IIED  
**Spanish:** 2007, 13536SIIED (download only)

#### India

2007, ISBN 978-1-84369-644-5, US\$18  
Order no. 13538IIED

#### Indonesia

**English:** 2007, ISBN 978-1-84369-644-5, US\$18  
Order no. 13539IIED  
**Bahasa:** 2007, 13539BIIED (download only)

#### South Africa

2008, ISBN 978-1-84369-644-5, US\$20  
Order no. 13540IIED

#### The Caribbean

2007, ISBN 978-1-84369-644-5, US\$18  
Order no. 13541IIED



### All that glitters: A review of payments for watershed services in developing countries

Natural Resource Issues 11

**Ina Porras, Maryanne Grieg-Gran, Nanete Neves**

A growing international debate calls for downstream beneficiaries of wise upstream land and water use to dig into their pockets and pay. IIED stimulated the debate several years ago with a ground-breaking review of the scene. Now we have gone further — with this in-depth international review and analysis of all accessible ongoing initiatives and advanced proposals for market mechanisms for watershed services.

2008, ISBN 978-1-84369-653-7, 130pp, US\$30  
Order no. 13542IIED

# Carbon management and REDD

Deforestation accounts for roughly a fifth of global greenhouse gas emissions and is a major driver of climate change. Other land uses that change vegetation cover and soil carbon are also major drivers. Reducing emissions from deforestation and degradation (REDD) is one important way forward. Our research shows that, to realise their potential, REDD and other carbon management support mechanisms must be integrated with broader governance improvement, focused on local livelihoods and tailored to address specific national and local drivers of land use change over time.



## REDD+ in dryland forests: Issues and prospects for pro-poor REDD in the miombo woodlands of southern Africa

Natural Resource Issues 21

**Ivan Bond, Muyeye Chambwera, Brian Jones, Isilda Nhantumbo, Monica Chundama**

Implementing REDD+ programmes involves providing sufficient incentives to land users and requires a supportive policy, legal and institutional environment. Community-based natural resources management has addressed these issues in the miombo ecoregion of east and southern Africa, with some success. This report, drawing on well-documented experiences and wide consultations undertaken by country experts, looks at the lessons learnt from the work in the miombo ecoregion and applied to REDD+ in dryland forests. Case studies from Zambia, Mozambique and Namibia were examined and could be used to inform pro-poor REDD as well as providing the likely opportunity costs of REDD+.

2010, ISBN 978-1-84369-764-0, 68pp, US\$28  
Order no. 17506IIED



## Incentives to sustain forest ecosystem services: A review and lessons for REDD

Natural Resource Issues 16

**Ivan Bond, Maryanne Grieg-Gran, Sheila Wertz-Kanounnikoff, Peter Hazlewood, Sven Wunder, Arild Angelsen**

Paying people to protect forests can be an effective way to tackle deforestation and climate change but only if there is good governance of natural resources, claims this study funded by the Norwegian government. This report explores existing efforts to pay people in developing nations to protect ecosystems in return for the services they provide. A review of 13 schemes in Africa, South-East Asia and Latin America concluded that local people can be part of REDD but only if important preconditions are met.

2009, ISBN 978-1-84369-742-8 6pp, US\$20  
Order no. 13555IIED



## Tenure in REDD: Start-point or afterthought?

Natural Resource Issues 15

**Lorenzo Cotula, James Mayers**

As new mechanisms for REDD are being negotiated in international climate change talks, resource tenure must be given greater attention. Tenure over land and trees – the systems of rights, rules, institutions and processes regulating their access and use – will affect the extent to which REDD and related strategies will benefit, or marginalise, forest communities. This report aims to promote debate on the issue. Drawing on experience from seven rainforest countries (Brazil, Cameroon, Democratic Republic of Congo, Guyana, Indonesia, Malaysia and Papua New Guinea), the report develops a typology of tenure regimes across countries, explores tenure issues in each country, and identifies key challenges to be addressed if REDD is to have equitable and sustainable impact.

2009, ISBN 978-1-84369-736-7, 67pp, US\$20  
Order no. 13554IIED



## Laying the foundations for clean development: preparing the land use sector. A quick guide to the clean development mechanism

Natural Resource Issues 1

**Louise Aukland, Pedro Moura Costa, Stephen Bass, Saleemul Huq, Natasha Landell-Mills, Richard Tipper, Rebecca Carr**

2002, ISBN 978-1-84369-192-1, 47pp  
Available for download only: <http://pubs.iied.org/9136IIED>

## Rural livelihoods and carbon management

Natural Resource Issues 2

**Stephen Bass, Olivier Dubois, Pedro Moura Costa, Michelle Pinard, Richard Tipper, Charlie Wilson**

2000, ISBN 978-1-904035-07-7, 94pp  
Available for download only: <http://pubs.iied.org/7558IIED>

# Environmental governance

The challenge to mainstream environmental issues in development policy and planning has never been more urgent. Fair and equitable governance of the environment and its resources is central to the livelihoods of millions of people across the developing world. But there is growing concern that people's connections to their resources are being undermined. We seek to generate and present evidence on a range of strategic issues concerning environmental governance.

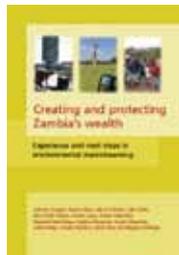


## Investment contracts and sustainable development: How to make contracts for fairer and more sustainable natural resource investments

**Natural Resource Issues 20**  
**Lorenzo Cotula**

Increased investment may create opportunities to improve living standards, but it also creates risks such as environmental damage and loss of key livelihood assets like land, water and grazing. Investment contracts define the terms of an investment project and the extent to which it advances – or undermines – sustainable development. Government capacity to negotiate and manage contracts and civil society capacity to scrutinise government dealings can make a real difference to getting a better deal from natural resource investment.

2010, ISBN 978-1-84369-765-7, 104 pp, US\$35  
Order no. 17507IIED



## Creating and protecting Zambia's wealth: Experience and next steps in environmental mainstreaming

**Natural Resource Issues 14**

**Lubinda Aongola, Imasiku Liayo, David Ndopu, Steve Bass, Joseph Makumba, Imasiku Nyambe, Juliana Chileshe, Maswabi Maimbolwa, Adam Pope, Julius Daka, Kalaluka Munyinda, Mwape Sichilongo, Barry Dalal-Clayton, Nosiku Munyinda**

How much does Zambia benefit from its rich forests, wildlife, soils and water — and what more could it do to ensure the protection and wise use of these 'environmental assets'? This report offers a positive, lessons-learned approach — identifying what has worked in key sectors and through institutional innovations. It concludes that Zambia could increase income and welfare if its environmental assets are planned, allocated, managed and governed better.

2009, ISBN 978-1-84369-735-0, 68pp, US\$15  
Order no. 17502IIED



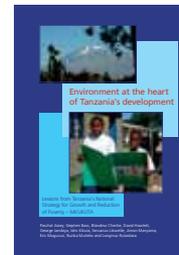
## Sharing the benefits of large dams in West Africa

**Natural Resource Issues 19**

**Edited by Jamie Skinner, Madiodio Niassa, Lawrence Haas**

Food security, energy concerns and the potential impacts of climate change (including floods and droughts) have brought dams back to the forefront of the development agenda. This report reviews the experience with displacement of affected people in West Africa over the last 40 years and examines mechanisms for distributing the benefits of dams more equitably and ensuring that affected people are better off. Making affected people one direct beneficiary of dam projects promotes public acceptance, reduces risks to developers and reduces the risk of long term conflicts between those displaced and the villages that host them.

**English:** 2009, ISBN 978-1-84369-717-6, 70pp, US\$25  
Order no. 12555IIED  
**French:** 2009, ISBN 978-1-84369-758-9, 78pp, US\$25  
Order no.12555FIIED



## Environment at the heart of Tanzania's development: Lessons from Tanzania's National Strategy for Growth and Reduction of Poverty (MKUKUTA)

**Natural Resource Issues 6**

**Paschal Assey, Stephen Bass, Blandina Cheche, David Howlett, George Jambiya, Idris Kikula, Servacius Likwelile, Amon Manyama, Eric Mugurusi, Ruzika Muheto, Longinus Rutasitara**

2007, ISBN 978-1-84369-656-8, 59pp, US\$20  
Order no. 13543IIED

## Towards better practice in smallholder palm oil production

**Natural Resource Issues 5**

**Sonja Vermeulen, Nathalie Goad**

2006 ISBN 978-1-84369-633-9, 5pp, US\$14  
Order no. 13533IIED

# Conservation and development

Many of the world's most biodiverse protected areas are found in developing countries with high levels of poverty. Through our research in this area we explore the complex relationships between conservation and poverty, and seek to influence policy change so that conservation policy takes better account of poverty concerns; development policy takes better account of biodiversity concerns; and both pay attention to human rights.



## Development and gorillas? Assessing fifteen years of integrated conservation and development in south-western Uganda

Natural Resource Issues 23

**Tom Blomley, Agrippinah Namara, Alastair McNeilage, Phil Franks, Helga Rainer, Andrew Donaldson, Rob Malpas, William Olupot, Julia Baker, Chris Sandbrook, Robert Bitariho, Mark Infield**

Bwindi Impenetrable and Mgahinga Gorilla National Parks are extremely important biodiversity areas due to their populations of the highly endangered mountain gorilla. Gazettement of the parks in 1991 caused high levels of conflict and resistance from the surrounding communities, seriously threatening the ability of the protected area authority to manage the parks. This report summarises the findings of a study into a range of 'integrated conservation and development' strategies in Bwindi and Mgahinga, and their effectiveness in reconciling biodiversity conservation and socioeconomic development interests.

2010, ISBN 978-1-84369-778-7, 84pp, US\$35  
Order no. 14592IIED



## Social assessment of conservation initiatives: A review of rapid methodologies

Natural Resource Issue 22

**Kate Schreckenber, Izabel Camargo, Katahdin Withnall, Colleen Corrigan, Phil Franks, Dilys Roe, Lea M. Scherl, Vanessa Richardson**

Despite widely voiced concerns about some of the negative implications of protected areas, and growing pressures to ensure that they fulfil social as well as ecological objectives, no standard methods exist to assess social impacts. In this publication, some 30 tools and methods are reviewed, with a view to understanding how different researchers have tackled the challenges associated with impact assessment. This experience is used to inform a framework for a standardised process that can guide the design of locally appropriate assessment methodologies.

2010, ISBN 978-1-84369-769-5, 124 pp, US\$35  
Order no. 14589IIED



## Community management of natural resources in Africa: Impacts, experiences and future directions

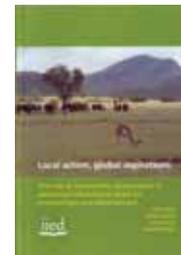
Natural Resource Issues 18

**Edited by Dilys Roe, Fred Nelson, Chris Sandbrook**

This review provides an unprecedented pan-African synthesis of community-based natural resources management (CBNRM), drawing on multiple authors and a wide range of documented experiences from Southern, Eastern, Western and Central Africa. The review discusses the degree to which CBNRM has met poverty alleviation, economic development and nature conservation objectives. In its concluding chapter, the report suggests a way forward for strengthening CBNRM and addressing key challenges in the years ahead.

English: 2009, ISBN 978-1-84369-755-8, 154pp, US\$35  
Order no. 17503IIED

French: 2009, ISBN 978-1-84369-757-2, 160pp, US\$35  
Order no. 17503FIIED



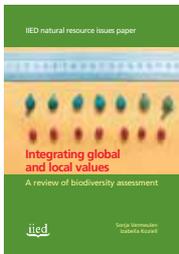
## Local action, global aspirations: The role of community conservation in achieving international goals for environment and development

Natural Resource Issues 4

**Dilys Roe, Brian Jones, Ivan Bond, Seema Bhatt**

Community conservation processes are often isolated and marginalised from mainstream conservation efforts. This review documents how community conservation can contribute to human well-being and the preservation of natural resources in southern Africa. Additional examples and experience are drawn from India, South East Asia and Central America. The report concludes with eight recommendations to further advance community conservation processes.

2006, ISBN 978-1-84369-634-6, 67pp, US\$18  
Order no. 13534IIED



## Integrating global and local values: A review of biodiversity assessment

### Natural Resources Issue 3

**Sonja Vermeulen, Izabella Koziell**

Biodiversity is managed and valued locally but also provides value globally, attracting many interest groups. Formal biodiversity assessments have tended to emphasise global values. But this focus is being replaced by an awareness that pluralist, adaptive management of biodiversity requires assessments that are able to express and communicate its multiple values. This review looks at some of the assessment tools on offer, and some examples of actual practice, to identify how biodiversity assessments do — and could — integrate the different values that people attach to biological variety and variability.

2002, ISBN 978-1-84369-028-3, 110pp, US\$23  
Order no. 9100IIED

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**About IIED**

The International Institute for Environment and Development is one of the world's top policy research organisations working in the field of sustainable development. With its broadbased network of partners, IIED is helping to tackle the biggest issues of our times — from climate change and cities to the pressures on natural resources and the forces shaping global markets.

IIED publishes the results of this work in a variety of platforms: from policy briefings and working papers, to reports and books.  
[www.iied.org](http://www.iied.org)

**About IIED's Natural Resources Group**

The limits to growth on our fast-changing planet are ever more apparent. Using natural resources fairly and sustainably has become a paramount concern for us all. IIED's Natural Resources Group works towards that overall aim by building capacity and promoting informed decision-making. Our priority is on local control and management of natural resources and other ecosystem services.

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