

Publications

From ICIMOD...

ICIMOD disseminates much of the information gathered during programme activities in the form of printed and electronic publications targeted at policymakers, development workers, government experts and decision makers, students, and the interested public. Full length books and manuals are still published, but increasingly publications are being prepared in shorter, more attractive, and easy-to-read information sheets and short formats. Long proceedings and more technical material are prepared in electronic format, for example on a CD-ROM with an introductory booklet or simply through web posting. Staff also publish more academic results in (usually peer-reviewed) journals. All ICIMOD's own publications can be downloaded free-of-charge from www.icimod.org/publications. Hard copies are provided free to institutions actively involved in sustainable development of the greater Himalayan region.

Books and booklets

Flash Flood Risk Management: A training of trainers manual Shrestha, AB; Chapagain, PS; Thapa, R. 150pp
ISBN 978 92 9115 222 3 LCCN 2011-312016

Climate Variability and Change in the Himalayas: Community perceptions and responses Macchi, M; Gurung, AM; Hoermann, B; Choudhary, D. 68pp
ISBN 978 92 9115 226 1 LCCN 2011 312017

The Status of Glaciers in the Hindu Kush-Himalayan Region Bajracharya, SR; Shrestha B (eds) 127pp
ISBN 978 92 9115 215 5 LCCN 2011-312013

Snow-Cover Mapping and Monitoring in the Hindu Kush-Himalayas Gurung, DR; Amarnath, G; Khun, SA; Shrestha, B; Kulkarni, AV (eds) 32pp
ISBN 978 92 9115 218 6 LCCN 2011-312014

Climate Change in the Hindu Kush-Himalayas: The State of Current Knowledge Singh, SP; Bassignana-Khadka, I; Karky, BS; Sharma, E. 88pp ISBN 978 92 9115 220 9 LCCN 2011-312015

Understanding Mountain Poverty in the Hindu Kush-Himalayas: Regional report for Afghanistan, Bangladesh, Bhutan, China, India, Myanmar, Nepal, and Pakistan Hunzai, K; Gerlitz, JY; Hoermann, B. 68pp
ISBN 978 92 9115 212 4 LCCN 2011-312011

Three Decades of India/ICIMOD Collaboration: Strategic shifts in partnership 29pp

Green Economy for Sustainable Mountain Development: A concept paper for Rio+20 and beyond 31pp

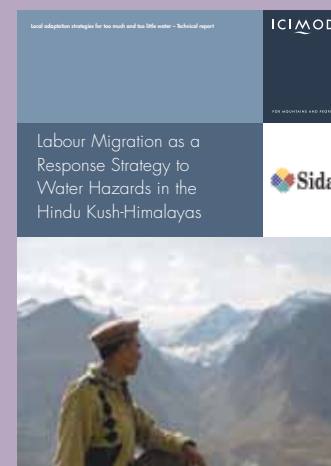
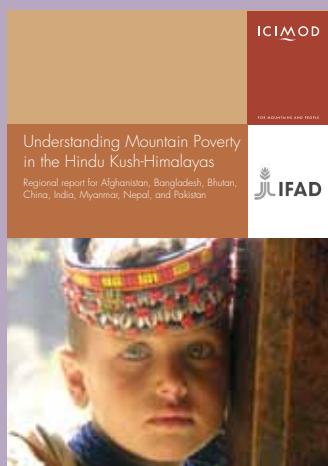
Kailash Sacred Landscape Conservation Initiative – Feasibility Assessment Report Zomer, R; Oli, KP (eds) 92pp ISBN 978 92 9115 209 4 LCCN 2011-312010

Implementation of the Convention on Biological Diversity: A retrospective analysis in the Hindu Kush-Himalayan countries Desai, BH; Oli, KP; Yang Yongping; Chettri, N; Sharma, E. 33pp
ISBN 978 92 9115 205 6 LCCN 2011-312009

Proceedings of the International Symposium - Benefiting from Earth Observation: Bridging the data gap for adaptation to climate change in the Hindu Kush-Himalayan region Shrestha, B; Bajracharya, B (eds) 41pp + DVD with summary report and additional materials (programme, abstracts, presentations, posters, photos, videos, news) ISBN 978 92 9115 200 1 LCCN 2011-312007

Pro-Poor Value Chain Development for High Value Products in Mountain Regions: Indian Bay Leaf Choudhary, D; Pandit, BH; Kinhal, G; Kollmair, M. 24pp ISBN 978 92 9115 198 1 LCCN 2011-312006

Glacial Lakes and Glacial Lake Outburst Floods in Nepal ICIMOD. 96pp + DVD with full report and additional material (GIS database, maps, photos, video clips) ISBN 978 92 9115 193 6 LCCN 2011-312004



Framework for Valuing Ecosystem Services in the Himalayas Rasul, G; Chettri, N; Sharma, E. 18pp
ISBN 978 92 9115 190 5 LCCN 2011-312003

Framework for Community-Based Climate Vulnerability and Capacity Assessment in Mountain Areas Macchi, M. 27pp ISBN 978 92 9115 182 0 LCCN 2011-312001

Mainstreaming Gender in Mountain Development - From Policy to Practice: Lessons learned from a gender assessment of four projects implemented in the Hindu Kush-Himalayas Leduc, B. 16pp + CD-ROM with Annexes ISBN 978 92 9115 179 0 LCCN 2011-312000

Labour Migration as a Response Strategy to Water Hazards in the Hindu Kush-Himalayas Banerjee, S; Gerlitz, JY; Hoermann, B. 27pp ISBN 978 92 9115 185 1 LCCN 2011-312002

CD-ROMs and DVDs

Biodiversity conservation and management in the Hindu Kush-Himalayan region (DVD) Selected publications, films and others from 1986 to 2011 (updated)

Climate change in the Hindu Kush-Himalayan region (DVD) Selected publications on impacts, adaptation, and others from 1986 to 2011 (updated)

Too Much Water Too Little Water (video)
ISBN 978 92 9115 204 9 (13.30 mins)

Promoting Herbal Gardens in Schools (video)
(11.25 mins)

Herbal Gardens in Schools (video) – Nepali version
(12 mins)

General publications

Annual Report 2010

Earth Observation and Climate Change, *Sustainable Mountain Development* No. 60, Autumn 2011

Labour Migration: Opportunities and challenges for mountain livelihoods, *Sustainable Mountain Development* No. 59, Summer 2011

Knowledge Management for Mountain Development: Knowledge and technologies for mountain development, *Sustainable Mountain Development* No. 58, Spring 2011

Asia-Pacific Mountain Courier – Special issue on youth action for climate change through art, Vol. 12 No. 1, June 2011

CNICIMOD Newsletter Vol. 5, No. 1, April 2011

CNICIMOD Newsletter Vol. 5, No. 2, October 2011

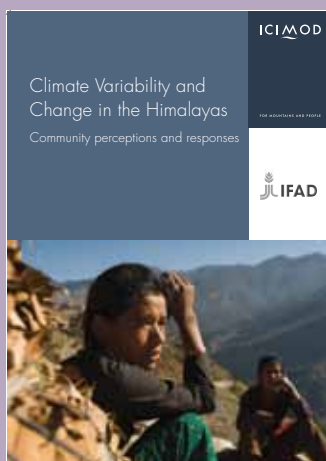
Information sheets/briefing papers/project brochures

Value Chains for Mountain Products and Services

Black Carbon in the Hindu Kush-Himalayan Region

Remittances: A key to adaptation?: Perspectives from communities exposed to water stress in the Himalayan Region

Himalayan Climate Change Adaptation Programme (HICAP): Enhancing resilience of mountain communities through improved understanding of vulnerabilities, opportunities, and potentials for adaptation



Protected Areas and Payment for Ecosystem Services:
A feasibility study in Shivapuri-Nagarjun National
Park, Nepal

Promoting Herbal Gardens in Schools: Revitalising
traditions of herbs and their use

Space-Based Information and Rapid Mapping for
Emergency Response

Improving Local Governance in the Hindu Kush-
Himalayan Region Challenges and Good Practices

The Eastern Himalayas Biodiversity and Climate
Change Adaptation website

Pilot Forest Carbon Trust Fund: Rewarding local
communities for forest conservation

Remote Sensing for REDD: Above-ground biomass
estimation for carbon stock

What Do We Know About Climate Change in the
Hindu Kush-Himalayan Region?

Regional Monitoring Scheme for Snow Cover of the
Hindu Kush-Himalayas

Glaciers in the Hindu Kush-Himalayas: New inventory
and data released

Mountain Day: Highlighting the critical role of
mountain ecosystems for climate adaptation and
sustainable development

Gender Experiences and Responses to Climate
Change in the Himalayas: ICIMOD's interactive panel
at the Women's World Congress 3–7 July 2011
Ottawa, Canada

Bhutan+10: Gender and sustainable mountain
development in a changing world

Sustaining Forests for Mitigation and Adaptation to
the Impacts of Climate Change

.....other publications by ICIMOD staff

Articles in peer-reviewed journals

Babel, MS; Pandey, VP; Rivas, AA; **Wahid, S** (2011) 'Indicator-based approach for assessing the vulnerability of freshwater resources in the Bagmati River Basin, Nepal.' *Environmental Management* 48(5): 1044-1059

Babel, MS; **Wahid, S** (2011) 'Hydrology, management and rising water vulnerability in the Ganges–Brahmaputra–Meghna River Basin.' *Water International* 36(3): 340-356

Bayas, JCL; Marohn, C; Dercon, G; Dewi, S; Piepho, HP; **Joshi, L**; van Noordwijk, M; Cadisch, G (2011) 'Influence of coastal vegetation on the 2004 tsunami wave impact in west Aceh.' *PNAS* 108(46): 18612-18617

Bhattarai, S; **Pant, B**; Upadhyaya, CP (2011) 'Dependency of Tharu communities on wild plants: A case study of Shankarpur, Kanchanpur District.' *Banko Janakari: A journal of forestry information for Nepal* 21(1): 35-40

Danielsen, F; Skutsch, M; Burgess, ND; Jensen, PM; Andrianandrasana, H; **Karki, B**; Lewis, R; Lovett, JC; Massao, J; Ngaga, Y; Phartiyal, P; Poulsen, MK; Singh, SP; Solis, S; Sorensen, M; Tewari, A; Young, R; Zahabu, E (2011) 'At the heart of REDD+: A role for local people in monitoring forests?' *Conservation Letters* 4(2): 158-167

Gurung, DR; Kulkarni, AV; **Giriraj, A**; **Aung, KS**; **Shrestha, B** (2011) 'Monitoring of seasonal snow cover in Bhutan using remote sensing technique.' *Current Science* 101(10): 1364-1369

Karki, MB; **Shrestha, AB**; Winiger, M (2011) 'Enhancing knowledge management and adaptation capacity for integrated management of water resources in the Indus River Basin.' *Mountain Research and Development* 31(3): 242-251

Partap, U (2011) 'Innovations in revival strategies for declining pollinators with particular reference to the indigenous honeybees: Experiences of ICIMOD's initiatives in the Hindu Kush-Himalayan region.' *Pest Management and Economic Zoology* 18: 85-95

Qamar, FM; Ali, H; Ashraf, S; Daud, A; **Gilani, H**; Mirza, H; Rehman, HU (2011) 'Distribution and habitat mapping of key fauna species in the selected areas of Western Himalaya, Pakistan.' *Journal of Animal and Plant Sciences* 21(2 Suppl.): 396-399

Rasul, G; Thapa, GB; **Karki, MB** (2011) 'Comparative analysis of evolution of participatory forest management institutions in South Asia.' *Society & Natural Resources: An International Journal* 24(12): 1322-1334

Immerzeel, WW; van Beek, LPH; Konz, M; **Shrestha, AB**; Bierkens, MFP (2011) 'Hydrological response to climate change in a glacierized catchment in the Himalayas.' *Climatic Change* DOI 10.1007/s10584-011-0143-4

Lusiana, B; van Noordwijk, M; Suyanto, D; Mulia, R; **Joshi, L**; Cadisch, G (2011) 'Users' perspectives on validity of a simulation model for natural resource management.' *International Journal of Agricultural Sustainability* DOI:10.1080/14735903.2011.582362

Schild, A; **Sharma, E** (2011) 'Sustainable mountain development revisited.' *Mountain Research and Development* 31(3): 237-241

Shrestha, AB; Aryal, R (2011) 'Climate change in Nepal and its impact on Himalayan glaciers.' *Regional Environmental Change* 11 (Suppl 1): S65-S77

Shrestha, M; Artan, GA; **Bajracharya, SR**; Gautam, DK; Tokar, SA (2011) 'Bias-adjusted satellite-based rainfall estimates for predicting floods: Narayani Basin.' *Journal of Flood Risk Management* DOI: 10.1111/j.1753-318X.2011.01121

Shrestha, MS; Takara, K; Kubota, T; **Bajracharya SR** (2011) 'Verification of GSMaP rainfall estimates over the central Himalayas.' *Annual Journal of Hydraulics Engineering, JSCE* 55: 38-42

Uddin, K; **Shrestha, B**; Alam, MS (2011) 'Assessment of morphological changes and vulnerability of river bank erosion alongside the river Jamuna using remote sensing.' *Journal of Earth Science and Engineering* 1(1): 29-34

Articles in other journals

Gurung, DR; Kulkarni, AV; **Giriraj, A**; **Aung, KS**; **Shrestha, B**; Srinivasan, J (2011) 'Changes in seasonal snow cover in Hindu Kush-Himalayan region.' *The Cryosphere Discussion* 5: 755-777

Gurung, GS; Thapa, K; Kunkel, K; Thapa, GJ; **Kollmair, M**; Mueller-Boeker, U (2011) 'Enhancing herders' livelihood and conserving the snow leopard in Nepal.' *CAT News* 55: 17-21.

Rasul, G; Jurek, M (2011) 'Securing global commitment for sustainable mountain development at RIO+20: A joint effort of ICIMOD and UNEP.' *Mountain Forum Bulletin 2011: Mountains and Green Economy*

Shakya, B; **Chettri, N**; **Sharma, E**; **Rasul, G** (2011) 'Towards valuation of ecosystem services for biodiversity management in the Kangchenjunga Landscape.' *Mountain Forum Bulletin 2011: Mountains and Green Economy* http://www.mtnforum.org/sites/default/files/pub/mfbulletin2011-chettri_et_al.pdf

Shrestha, AB (2011) 'What could be the role of developing countries like Nepal in mitigating climate change? (Jalabayu paribartan: Nyunikaranama ke Nepal jasta bikasonmukh rastraharuko bhumika rahanchha?).' (in Nepali) *Jeevan Monthly* 13(25): 110-112

Partap, U (2011) 'Beekeeping livelihoods in the Himalayas.' *Bees for Development* 100: 6-7

Book chapters

Bajracharya, SR; Maharjan, SB; Shrestha, F (2011) 'Glaciers shrinking in Nepal Himalaya.' In Blanco, J; Kheradmand, H (eds) *Climate Change: Geophysical foundations and ecological effects*, pp 445-458. Rijeka: InTech

Bhatta, LD; Kotru, R (2011) 'Learning perspectives and analytical framework for framing payment for ecosystem services in Nepal.' In Acharya, KP; Tripathi, DM; Joshi, J; Gurung, UM (eds) *Leveraging the Landscapes: Conservation beyond the boundaries*, pp 132-157. Kathmandu: Nepal Foresters Association (NFA)

Chettri, N (2011) 'Role of actors and institutions in regional tourism development in the Hindu Kush-Himalayan region.' In Kruk, E; Kreutzmann, H; Richter, J (eds) *Integrated Tourism Concepts to Contribute to Sustainable Mountain Development in Nepal*, pp 154-170. Bonn: GIZ

Chettri, N; Shaky, B; Sharma, E (2011) 'Enhancing ecological and people's resilience: Implementing the CBD's ecosystem approach in the Hindu Kush-Himalayan region.' In *Contribution of Ecosystem Restoration to the Objectives of the CBD and a Healthy Planet for All People*, pp 29-31. Montreal: SCBD

Chettri, N; Shaky, B; Sharma, E (2011) 'Facilitating regional cooperation through development of conservation corridors in the Khangchendzonga landscape.' In Arrawatia, ML; Tambe, S (eds) *Biodiversity of Sikkim: Exploring and conserving a global hotspot*, pp 529-542. Sikkim: Department of Information and Public Relations

Chettri, N; Sharma, E (2011) 'Non-timber forest produce: Utilisation, distribution and status in the Khangchendzonga Biosphere Reserve, Sikkim, India.' In Arrawatia, ML; Tambe, S (eds) *Biodiversity of Sikkim: Exploring and conserving a global hotspot*, pp 165-180. Sikkim: Department of Information and Public Relations

Chettri, N; Shrestha, AB; Yan Zhaoli; Bajracharya, B; Sharma, E; Hua Ouyang (2011) 'Real world protection for the Third Pole and its people.' In Huetmann, F (ed) *Protection of the Three Poles*, pp 113-133. New York: Springer

Choudhary, D; Hoermann, B; Kollmair, M; Mitchell, J (2011) 'Developing entrepreneurship in value chains of Cinnamomum tamala (Bay Leaf): Linking poor producers to markets of essential oils and spices.' In: Mitchell, J; Coles, C (eds) *Markets and Rural Poverty: Upgrading in value chains*, pp 102-116. London: Earthscan.

Ismail, M; Jasra, AW (2011) 'Adoption and up scaling of various rangeland technological options for livelihood diversification for better adaptation to climate change.' Paper presented at the Third International Conference on Farming Systems on the Loess Plateau, 14-17 June 1993, Lanzhou, China

Joshi, L (2011) 'A community-based PES scheme for forest preservation and sediment control in Kulekhani, Nepal.' In Ottaviani, D. Scialabba, NE-H (eds) *Payment for Ecosystem Services and Food Policy*, pp 198-203. Rome: Italy

Joshi, L; Pasha, R; Mulyoutami, E; Beukema, H (2011) 'Rubber agroforestry and PES for preservation of biodiversity in Bungo district, Sumatra.' In Ottaviani, D. Scialabba, NE-H (eds) *Payment for Ecosystem Services and Food Policy*, pp 114-123. Rome: Italy

Karki, M; Bhattarai, N (2011) 'Pastoralism as a contributor to niche production and services.' In Kreutzmann, H; Yang Yong, Richter, J (eds) *Pastoralism and Rangeland Management on the Tibetan Plateau In the Context of Climate and Global Change*, pp 142-164. Bonn: GIZ

Karki, S; Karki BS; Poudel, J; Rana, E; Kotru, R (2011) 'Incentivizing local communities to maintain a healthy mountain ecosystem: An example from a pilot REDD Project in three watersheds of Nepal.' In *Contribution of Ecosystem Restoration to the Objectives of the CBD and a Healthy Planet for All People*, pp 46-48. Montreal: SCBD

Karki, BS; Rasul, G (2011) 'The cost to communities of participating in REDD+ in Nepal.' In Skutsch, M (ed.) *Community Forest Monitoring for the Carbon Market: Opportunities under REDD*, pp 107-117. London: Earthscan

Kotru, R; Sharma, S (2011) 'Forest users: Past, present, future.' In Gunter, S; Weber, M; Stimm, B; Mosandl, R (eds) *Silviculture In the Tropics*, pp 13-33. Bonn: Springer

Kotru, R (2011) 'Participatory forest management and sustainable development outcomes in the subtropical Himalayas: A sequel of environment, economy and equity through social empowerment.' In Gunter, S; Weber, M; Stimm, B; Mosandl, R (eds) *Silviculture In the Tropics*, pp 35-42. Heidelberg Berlin: Springer

Kruk, E (2011) 'Tourism and sustainable mountain development in the Hindu Kush-Himalayas.' In Kruk, E; Kreutzmann, K; Richter, J (eds) *Integrated Tourism Concepts to Contribute to Sustainable Mountain Development In Nepal*, pp 15-29. Bonn: GIZ

Kumar, Y; Subedi, N (2011) Promoting Livelihoods through Income and Employment Generation in Chittagong Hill Tracts. *Rangamati: Ashika Manabik Unnayan Kendra*.

Oli, KP (2011) 'Trans-boundary landscape conservation in the HKH region: An overview from global and regional perspective.' In Acharya, KP; Tripathi, DM; Joshi, J; Gurung, UM (eds) *Leveraging the Landscapes: Conservation beyond the boundaries*, pp 101-114. Kathmandu: Nepal Foresters Association (NFA)

Partap, U (2011) 'Pollinators in mountain ecosystems: Issues and strategies for their conservation and management.' In *Forest Resources: Diversity, utilization and conservation*, pp 81-82. Bangalore: University of Agriculture Sciences

Partap, U (2011) 'The pollination role of honeybees.' In Hepburn, R; Radloff, SE (eds) *Honeybees of Asia*; pp 227-255. Heidelberg Berlin: Springer

Ramakrishnan, PS; Rao, KS; Chandrashekhara, UM; Chhetri, N; Gupta, HK; Patnaik, S; Saxena, KG; Sharma, E (2011) 'South Asia.' In Parrotta, JA; Trosper, RL (eds) *Traditional Forest-related Knowledge: Sustaining communities, ecosystems and biocultural diversity*, pp 315-356. New York: Springer

Shakya, B; Uddin, K; Chettri, N; Bajracharya, B; Sharma, E (2011) 'Use of geo-spatial tools in the management of potential habitats outside the projected areas in the transboundary Brahmaputra-Salween Landscape.' In *Contribution of Ecosystem Restoration to the Objectives of the CBD and a Healthy Planet for All People*, pp 98-100. Montreal: SCBD

Shrestha, AB (2011) 'Climate change and glaciers.' In Singh, VP; Singh, P; Haritashya, UK (eds) *Encyclopedia of Snow, Ice and Glaciers*, pp 145-152. Dordrecht: Springer

Skutsch, M; Zahabu, E; Karky, BS; Danielsen, F (2011) 'The costs and reliability of forest carbon monitoring by communities.' In Skutsch, M (ed.) *Community Forest Monitoring for the Carbon Market: Opportunities under REDD*, pp 73-81. London: Earthscan

Tsering, D; Wahid, S (2011) 'A more integrative approach to biodiversity conservation in the Hindu Kush-Himalayas.' In Bisang, K; Hirschi, C; Ingold, K (eds) *Umwelt und Gesellschaft im Einklang? Festschrift für Willi Zimmermann*, pp 267-277. Zurich: Dike Verlag AG

Uddin, K; Shrestha, B (2011) 'Assessing flood and flood damage using remote sensing: A case study from Sunsari, Nepal.' In *Third International Conference on Water and Flood Management*, pp 291-299. Dhaka: Institute of Water and Flood Management, BUET

Van Noordwijk, M; Onyango, L; Kalinganire, A; Joshi, L; Hoang, MH; Ndichu, N; Jamnadass, R. (2011) 'Rural livelihoods in changing, multifunctional landscapes.' In van Noordwijk, M; Hoang, MH; Neufeldt, H; Oborn, I; Yatich, T (eds) *How Trees and People Can Co-adapt to Climate Change: Reducing vulnerability in multifunctional landscapes*, pp 37-61. Nairobi: World Agroforestry Centre (ICRAF)

Wahid, S (2011) 'Soil condition and sedimentation pattern in the Sundarbans Mangrove Forest, Bangladesh.' In Metras, JN (ed) *Mangroves: Ecology, biology and technology*, pp 301-312. New York: Nova Science Publishers.

Yi Shaoliang; Ismail, M (2011) 'From pastoral economy to rangeland economy: Capturing the multi-functionalities of rangeland resources.' In Kreutzmann, H; Yang Yong, Richter, J (eds) *Pastoralism and Rangeland Management on the Tibetan Plateau In the Context of Climate and Global Change*, pp 66-86. Bonn: GIZ

Zomer, RJ; Sharma, E; Chettri, N (2011) 'A need for mountain perspectives: Impacts of climate change on ecosystem services in the greater Hindu Kush-Himalayan region.' In Richardson, K; Steffen, W; Liverman, D (eds) *Climate Change: Global risks, challenges and decisions*, pp 110-112. Cambridge: Cambridge University Press

Other contributions to external publications

Kollmair, M; Banerjee, S (2011) 'DR9: Drivers of migration in mountainous regions of the developing world: A review.' London: UK Government's Foresight Project, Migration and Global Environmental Change

Kruk, E; Hermann K; Juergen, R (2011) 'Integrated tourism concepts to contribute to sustainable mountain development in Nepal.' Feldafing: GIZ

Lama, AK; Kruk, E (2011) 'Traditional Loba Menu.' Kathmandu: NTNC

Leimona, B; van Noordwijk, M; Joshi, L; Catacutan, D; Yatich, T; Dietz, J; Mwangi, H; Gathenya, JM; Muthuri, C; Sinclair, F; Bhattarai, S; Onyango, L; Suyanto; Kalinganire, A; Noordin, Q; Bayala, J; Gebrekirstos, A; Tschening, K; Duque-Pinon, C (2011) 'Supporting multifunctionality through realistic, conditional and voluntary actions to enhance trees as sources of environmental services.' In van Noordwijk, M; Hoang, MH; Neufeldt, H; Oborn, I; Yatich, T (eds) *How Trees and People Can Co-adapt to Climate Change: Reducing Vulnerability in Multifunctional Landscapes*, pp 79-121. Nairobi: World Agroforestry Centre (ICRAF)

Matambo, ST; Shrestha, AB (2011) 'Nepal: Responding proactively to glacial hazards.' World Resources Report, Washington, DC: World Resource Institute

Oven, K; Hua Ouyang; Nibanupudi, HK; Khadgi, V (2011) Building rural resilience in seismically active areas.' IHRR Research brief No 2, Durham: Institute of Hazard, Risk and Resilience, Durham University