

ANTH0076: Humans, Ecosystems and Conservation

View Online



1.

Mulder, M. B. & Coppolillo, P. Conservation: linking ecology, economics, and culture. (Princeton University Press, 2005).

2.

Dove, M. & Carpenter, C. Environmental anthropology: a historical reader. vol. Blackwell anthologies in social and cultural anthropology (Blackwell, 2008).

3.

Robbins, P. Political ecology: a critical introduction. vol. Critical introductions to geography (Wiley-Blackwell, 2012).

4.

Sodhi, N. S. & Ehrlich, P. R. Conservation biology for all. (Oxford University Press, 2009).
doi:10.1093/acprof:oso/9780199554232.001.0001.

5.

West, P. Conservation is our government now: the politics of ecology in Papua New Guinea. vol. New ecologies for the twenty-first century (Duke University Press, 2006).

6.

John Mbaria. The Big Conservation Lie. (Lens&Pens Publishing LLC, 15AD).

7.

Martin, A. Just conservation: biodiversity, wellbeing and sustainability. (Routledge, 2017).

8.

J. Peter Brosius. Common Ground between Anthropology and Conservation Biology. *Conservation Biology* **20**, 683–685 (2006).

9.

Bennett, N. J. et al. Mainstreaming the social sciences in conservation. *Conservation Biology* **31**, 56–66 (2017).

10.

Peterson, R. B., Russell, D., West, P. & Brosius, J. P. Seeing (and Doing) Conservation Through Cultural Lenses. *Environmental Management* **45**, 5–18 (2010).

11.

The anthropology of conservation NGOs: rethinking the boundaries. (Palgrave Macmillan, 2018).

12.

Dirzo, R. et al. Defaunation in the Anthropocene. *Science* **345**, 401–406 (2014).

13.

Robbins, P. Political ecology: a critical introduction. (J. Wiley & Sons, 2012).

14.

Ceballos, G. et al. Accelerated modern human-induced species losses: Entering the sixth mass extinction. *Science Advances* **1**, e1400253–e1400253 (2015).

15.

Mace, G. M., Norris, K. & Fitter, A. H. Biodiversity and ecosystem services: a multilayered relationship. *Trends in Ecology & Evolution* **27**, 19–26 (2012).

16.

Pecl, G. T. et al. Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being. *Science* **355**, (2017).

17.

Lenzen, M. et al. International trade drives biodiversity threats in developing nations. *Nature* **486**, 109–112 (2012).

18.

Holland, T. G., Peterson, G. D. & Gonzalez, A. A Cross-National Analysis of How Economic Inequality Predicts Biodiversity Loss. *Conservation Biology* **23**, 1304–1313 (2009).

19.

Lewis, S. L. & Maslin, M. *The human planet: how we created the anthropocene*. vol. 20 (Pelican, 2018).

20.

Ceballos, G., Ehrlich, P. R. & Dirzo, R. Biological annihilation via the ongoing sixth mass extinction signaled by vertebrate population losses and declines. *Proceedings of the National Academy of Sciences* E6089–E6096 (2017) doi:10.1073/pnas.1704949114.

21.

Steffen, W., Broadgate, W., Deutsch, L., Gaffney, O. & Ludwig, C. The trajectory of the

Anthropocene: The Great Acceleration. *The Anthropocene Review* **2**, 81–98 (2015).

22.

Ecosystems and Human Well-being: Biodiversity Synthesis.

23.

Sandom, C., Faurby, S., Sandel, B. & Svenning, J.-C. Global late Quaternary megafauna extinctions linked to humans, not climate change. *Proceedings of the Royal Society B: Biological Sciences* **281**, 20133254–20133254 (2014).

24.

Naeem, S., Duffy, J. E. & Zavaleta, E. The Functions of Biological Diversity in an Age of Extinction. *Science* **336**, 1401–1406 (2012).

25.

Purvis, A. & Hector, A. Getting the measure of biodiversity. *Nature* **405**, 212–219 (2000).

26.

Bar-On, Y. M., Phillips, R. & Milo, R. The biomass distribution on Earth. *Proceedings of the National Academy of Sciences* **115**, 6506–6511 (2018).

27.

Vogel, G. Where have all the insects gone? *Science* **356**, 576–579 (2017).

28.

Myers, N., Mittermeier, R. A., Mittermeier, C. G., da Fonseca, G. A. B. & Kent, J. Biodiversity hotspots for conservation priorities. *Nature* **403**, 853–858 (2000).

29.

Burney, D. & Flannery, T. Fifty millennia of catastrophic extinctions after human contact. *Trends in Ecology & Evolution* **20**, 395–401 (2005).

30.

Johnson, C. N. Ecological consequences of late quaternary extinctions of megafauna. *Proceedings of the Royal Society B: Biological Sciences* **276**, 2509–2519 (2009).

31.

Soga, M. & Gaston, K. J. Shifting baseline syndrome: causes, consequences, and implications. *Frontiers in Ecology and the Environment* **16**, 222–230 (2018).

32.

Andrea Sáenz-Arroyo. Rapidly shifting environmental baselines among fishers of the Gulf of California. *Proceedings of the Royal Society B: Biological Sciences* **272**, (2005).

33.

Fire & Biodiversity. in.

34.

Bowman, D. M. J. S. & Haberle, S. G. Paradise burnt: How colonizing humans transform landscapes with fire. *Proceedings of the National Academy of Sciences* **107**, 21234–21235 (2010).

35.

Codding, B. F., Bliege Bird, R., Kauhanen, P. G. & Bird, D. W. Conservation or Co-evolution? Intermediate Levels of Aboriginal Burning and Hunting Have Positive Effects on Kangaroo Populations in Western Australia. *Human Ecology* **42**, 659–669 (2014).

36.

Bliege Bird, R., Bird, D. W., Coddington, B. F., Parker, C. H. & Jones, J. H. The "fire stick farming" hypothesis: Australian Aboriginal foraging strategies, biodiversity, and anthropogenic fire mosaics. *Proceedings of the National Academy of Sciences* **105**, 14796–14801 (2008).

37.

Barnosky, A. D. et al. Has the Earth's sixth mass extinction already arrived? *Nature* **471**, 51–57 (2011).

38.

Vellend, M. et al. Global meta-analysis reveals no net change in local-scale plant biodiversity over time. *Proceedings of the National Academy of Sciences* **110**, 19456–19459 (2013).

39.

W. M. Adams. *Poachers to Partners*. in *Against extinction: the story of conservation* 101–124 (Earthscan Publications, 2004).

40.

Matulis, B. S. & Moyer, J. R. Beyond Inclusive Conservation: The Value of Pluralism, the Need for Agonism, and the Case for Social Instrumentalism. *Conservation Letters* **10**, 279–287 (2017).

41.

Kareiva, P. & Marvier, M. What Is Conservation Science? *BioScience* **62**, 962–969 (2012).

42.

Soule, M. The "New Conservation". *Conservation Biology* **27**, 895–897 (2013).

43.

Duffy, R. Waging a war to save biodiversity: the rise of militarized conservation. *International Affairs* **90**, 819–834 (2014).

44.

Holmes, G. What Do We Talk About When We Talk About Biodiversity Conservation in the Anthropocene? *Environment and Society* **6**, 87–108 (2015).

45.

Cronon, W. The Trouble with Wilderness: Or, Getting Back to the Wrong Nature. *Environmental History* **1**, 7–28 (1996).

46.

Neumann, R. P. *Imposing wilderness: struggles over livelihood and nature preservation in Africa*. vol. 4 (University of California Press, 1998).

47.

Mace, G. M. Whose conservation? *Science* **345**, 1558–1560 (2014).

48.

Büscher, B. et al. Half-Earth or Whole Earth? Radical ideas for conservation, and their implications. *Oryx* **51**, 407–410 (2017).

49.

What Is Conservation Biology? *BioScience* **35**, 727–734 (1985).

50.

Smith, E. A. & Wishnie, M. Conservation and Subsistence in Small-Scale Societies. *Annual Review of Anthropology* **29**, 493–524 (2000).

51.

Nadasdy, P. Transcending the Debate over the Ecologically Noble Indian: Indigenous Peoples and Environmentalism. *Ethnohistory* **52**, 291–331 (2005).

52.

Costanza, R. et al. Changes in the global value of ecosystem services. *Global Environmental Change* **26**, 152–158 (2014).

53.

Guha, R. *The unquiet woods: ecological change and peasant resistance in the Himalaya*. (Oxford University Press, 1989).

54.

Ostrom, E. A General Framework for Analyzing Sustainability of Social-Ecological Systems. *Science* **325**, 419–422 (2009).

55.

Sandbrook, C. What is conservation? *Oryx* **49**, 565–566 (2015).

56.

Chan, K. M. A. et al. Opinion: Why protect nature? Rethinking values and the environment. *Proceedings of the National Academy of Sciences* **113**, 1462–1465 (2016).

57.

Gray, C. L. et al. Local biodiversity is higher inside than outside terrestrial protected areas worldwide. *Nature Communications* **7**, (2016).

58.

Laurance, W. F. et al. Averting biodiversity collapse in tropical forest protected areas.

Nature **489**, 290–294 (2012).

59.

Craigie, I. D. et al. Large mammal population declines in Africa's protected areas. *Biological Conservation* **143**, 2221–2228 (2010).

60.

Tallis, H. & Lubchenco, J. Working together: A call for inclusive conservation. *Nature* **515**, 27–28 (2014).

61.

Galvin, K. A. Transitions: pastoralists living with change. *Annual Review of Anthropology* **38**, 185–198 (2009).

62.

Ostrom, E. Revisiting the Commons: Local Lessons, Global Challenges. *Science* **284**, 278–282 (1999).

63.

Vetter, S. Rangelands at equilibrium and non-equilibrium: recent developments in the debate. *Journal of Arid Environments* **62**, 321–341 (2005).

64.

Tomasz, P. Property Concepts, Herding Patterns and Management of Natural Resources Among the Ngorongoro and Salei Maasai of Tanzania.

65.

Homewood, K. et al. Long-term changes in Serengeti-Mara wildebeest and land cover: Pastoralism, population, or policies? *Proceedings of the National Academy of Sciences* **98**, 12544–12549 (2001).

66.

Goldman, M. J. & Riosmena, F. Adaptive capacity in Tanzanian Maasailand: Changing strategies to cope with drought in fragmented landscapes. *Global Environmental Change* **23**, 588–597 (2013).

67.

Wangui, E. E. Development interventions, changing livelihoods, and the making of female Maasai pastoralists. *Agriculture and Human Values* **25**, 365–378 (2008).

68.

McCabe, J Terrence. Sustainability and livelihood diversification among the Maasai of Northern Tanzania. *Human Organization* **62**, 100–111 (2003).

69.

Goldman, M. Strangers in their own land: Maasai and wildlife conservation in Northern Tanzania. *Conservation and Society* **9**, (2011).

70.

Cao, J., Yeh, E. T., Holden, N. M., Yang, Y. & Du, G. The effects of enclosures and land-use contracts on rangeland degradation on the Qinghai-Tibetan plateau. *Journal of Arid Environments* **97**, 3–8 (2013).

71.

Bauer, K. Development and the Enclosure Movement in Pastoral Tibet Since the 1980s. *Nomadic Peoples* **9**, 53–81 (2005).

72.

Yeh, E. T., Samberg, L. H., Volkmar, E. & Harris, R. B. Pastoralist Decision-Making on the Tibetan Plateau. *Human Ecology* **45**, 333–343 (2017).

73.

Li, Y. & Li, W. China's Rangeland Management Policy Debates: What Have We learned? *Rangeland Ecology & Management* **68**, 305–314 (2015).

74.

Lehnert, L. W., Wesche, K., Trachte, K., Reudenbach, C. & Bendix, J. Climate variability rather than overstocking causes recent large scale cover changes of Tibetan pastures. *Scientific Reports* **6**, (2016).

75.

St John, F. A. V., Keane, A. M. & Milner-Gulland, E. J. Effective conservation depends upon understanding human behaviour. in *Key Topics in Conservation Biology 2* (eds. Macdonald, D. W. & Willis, K. J.) 344–361 (John Wiley & Sons, 2013).
doi:10.1002/9781118520178.ch19.

76.

Monique Borgerhoff Mulder, Peter Coppolillo. Conservation and Self-Interest. in *Conservation: linking ecology, economics, and culture* 104–128 (Princeton University Press, 2005).

77.

Katherine, Homewood. Pastoral Environments, Constraints and Strategies. in *Ecology of African pastoralist societies* 50–93 (James Currey, 2008).

78.

Katherine, Homewood. Pastoral Livelihoods & Economy. in *Ecology of African pastoralist societies* 132–156 (James Currey, 2008).

79.

Ostrom, E. *Governing the commons: the evolution of institutions for collective action*. vol.

Canto classics (Cambridge University Press, 2015).

80.

Niamir-Fuller, M., Kerven, C., Reid, R. & Milner-Gulland, E. Co-existence of wildlife and pastoralism on extensive rangelands: competition or compatibility? *Pastoralism: Research, Policy and Practice* **2**, 8–21 (2012).

81.

The Tragedy of the Commons. *Science* **162**, 1243–1248 (1968).

82.

Michael Alvard, Janis B. Alcorn, Richard E. Bodmer, Raymond Hames, Kim Hill, Jean Hudson, R. Lee Lyman, Rajindra K. Puri, Eric A. Smith and Allyn Maclean Stearman. Intraspecific Prey Choice by Amazonian Hunters [and Comments and Reply]. *Current Anthropology* **36**, 789–818 (1995).

83.

Hawkes, K., Hill, K. & O'Connell, J. F. Why hunters gather: optimal foraging and the Aché of Eastern Paraguay. *American Ethnologist* **9**, 379–398 (1982).

84.

J. Marcus Rowcliffe. Do wildlife laws work? Species protection and the application of a prey choice model to poaching decisions. *Proceedings of the Royal Society B: Biological Sciences* **271**, (2004).

85.

Barrett, C. B. & Arcese, P. Wildlife Harvest in Integrated Conservation and Development Projects: Linking Harvest to Household Demand, Agricultural Production, and Environmental Shocks in the Serengeti. *Land Economics* **74**, 449–465 (1998).

86.

R, Damania, E.J, Milner-Gulland, & D. J, Crookes. A bioeconomic analysis of bushmeat hunting. *Proceedings of the Royal Society B* **272**, 259–266 (2AD).

87.

Galaty, J. G. 'Unused' Land and Unfulfilled Promises: Justifications for Displacing Communities in East Africa. *Nomadic Peoples* **18**, 80–93 (2014).

88.

Cowling, R. M. Challenges to the 'new' rangeland science. *Trends in Ecology & Evolution* **15**, 303–304 (2000).

89.

Derry, J. F. & Boone, R. B. Grazing systems are a result of equilibrium and non-equilibrium dynamics. *Journal of Arid Environments* **74**, 307–309 (2010).

90.

Gufu Oba, Nils Chr. Stenseth, & Walter J. Lusigi. New Perspectives on Sustainable Grazing Management in Arid Zones of Sub-Saharan Africa. *BioScience* **50**, 35–51 (2000).

91.

Behnke, R. Natural Resource Management in Pastoral Africa. *Development Policy Review* **12**, 5–28 (1994).

92.

T. Haller et al. Conflicts, security and marginalisation: institutional change of the pastoral commons in a 'glocal' world. *Revue Scientifique et Technique de l'OIE* **35**, 405–416 (2016).

93.

López-i-Gelats, F., Fraser, E. D. G., Morton, J. F. & Rivera-Ferre, M. G. What drives the

vulnerability of pastoralists to global environmental change? A qualitative meta-analysis. *Global Environmental Change* **39**, 258–274 (2016).

94.

Blaikie, P. Is Small Really Beautiful? Community-based Natural Resource Management in Malawi and Botswana. *World Development* **34**, 1942–1957 (2006).

95.

Paige, West. The practices of conservation-as-development. in *Conservation Is Our Government Now: The Politics of Ecology in Papua New Guinea* 183–214 (Duke University Press).

96.

Gurney, G. G. et al. Poverty and protected areas: An evaluation of a marine integrated conservation and development project in Indonesia. *Global Environmental Change* **26**, 98–107 (2014).

97.

Wright, V., Corey. Turbulent Terrains: The Contradictions and Politics of Decentralised Conservation. *Conservation and Society* **15**, 157–167 (2017).

98.

Gross-Camp, N. Tanzania's community forests: their impact on human well-being and persistence in spite of the lack of benefit. *Ecology and Society* **22**, (2017).

99.

Sullivan, S. Protest, conflict and litigation: dissent or libel in resistance to a conservancy in north-west Namibia. in *Ethnographies of conservation: environmentalism and the distribution of privilege* 69–86 (Berghahn Books, 2003).

100.

Chaigneau, T. & Brown, K. Challenging the win-win discourse on conservation and development: analyzing support for marine protected areas. *Ecology and Society* **21**, (2016).

101.

Noe, C. & Kangalawe, Richard. Y. M. Wildlife Protection, Community Participation in Conservation, and (Dis) Empowerment in Southern Tanzania. *Conservation and Society* **13**, (2015).

102.

Dressler, W. et al. From hope to crisis and back again? A critical history of the global CBNRM narrative. *Environmental Conservation* **37**, 5–15 (2010).

103.

Agrawal, A. & Gibson, C. C. Enchantment and Disenchantment: The Role of Community in Natural Resource Conservation. *World Development* **27**, 629–649 (1999).

104.

Adrian Martin. Justice as Motive. in *Just conservation: biodiversity, wellbeing and sustainability* 37–49 (Routledge, 2017).

105.

Adrian, Martin. From 'conservation and development' to 'conservation and justice'. in *Just conservation: biodiversity, wellbeing and sustainability* 110–132 (Routledge, 2017).

106.

Roe, D. The origins and evolution of the conservation-poverty debate: a review of key literature, events and policy processes. *Oryx* **42**, (2008).

107.

Salafsky, N. & Wollenberg, E. Linking Livelihoods and Conservation: A Conceptual Framework and Scale for Assessing the Integration of Human Needs and Biodiversity. *World Development* **28**, 1421–1438 (2000).

108.

Adams, William. M. Biodiversity Conservation and the Eradication of Poverty. *Science* **306**, 1146–1149 (2004).

109.

Cavendish, W. Empirical Regularities in the Poverty-Environment Relationship of Rural Households: Evidence from Zimbabwe. *World Development* **28**, 1979–2003 (2000).

110.

Oldekop, J. A., Holmes, G., Harris, W. E. & Evans, K. L. A global assessment of the social and conservation outcomes of protected areas. *Conservation Biology* **30**, 133–141 (2016).

111.

Nolte, C., Agrawal, A., Silviu, K. M. & Soares-Filho, B. S. Governance regime and location influence avoided deforestation success of protected areas in the Brazilian Amazon. *Proceedings of the National Academy of Sciences* **110**, 4956–4961 (2013).

112.

Ferraro, P. J. et al. More strictly protected areas are not necessarily more protective: evidence from Bolivia, Costa Rica, Indonesia, and Thailand. *Environmental Research Letters* **8**, (2013).

113.

Lund, J. F., Balooni, K. & Casse, T. Change We can Believe in? Reviewing Studies on the Conservation Impact of Popular Participation in Forest Management. *Conservation and Society* **7**, 71–82 (2009).

114.

Ilan Kapoor. The Devil's in the Theory: A Critical Assessment of Robert Chambers' Work on Participatory Development. *Third World Quarterly* **23**, 101–117 (2002).

115.

Bill, Cooke & Uma, Kothari. *Participation: the new tyranny?* (Zed Books, 2001).

116.

Woodhouse, E. & McCabe, J. T. Well-being and conservation: diversity and change in visions of a good life among the Maasai of northern Tanzania. *Ecology and Society* **23**, (2018).

117.

A, Sumner, J.A., McGregor. Beyond Business as Usual: What Might 3-D Wellbeing Contribute to MDG Momentum? *IDS Bulletin* **41**, (2010).

118.

Schlosberg, D. Theorising environmental justice: the expanding sphere of a discourse. *Environmental Politics* **22**, 37–55 (2013).

119.

Dan Brockington. Community Conservation, Inequality and Injustice: Myths of Power in Protected Area Management. *Conservation and Society* **2**, 411–432 (2004).

120.

Galvin, K. A., Beeton, T. A. & Luizza, M. W. African community-based conservation: a systematic review of social and ecological outcomes. *Ecology and Society* **23**, (2018).

121.

Martin, A. et al. Justice and conservation: The need to incorporate recognition. *Biological Conservation* **197**, 254–261 (2016).

122.

Paul Nadasdy. The Politics of Tek: Power and the 'Integration' of Knowledge. *Arctic Anthropology* **36**, 1–18 (1999).

123.

Tim Ingold & Terhi Kurttila. Perceiving the Environment in Finnish Lapland. *Body & Society* **6**, 183–196 (2000).

124.

Rodríguez, I., Sletto, B., Bilbao, B., Sánchez-Rose, I. & Leal, A. Speaking of Fire: Reflexive Governance in Landscapes of Social Change and Shifting Local Identities. *Journal of Environmental Policy & Planning* **20**, 1–20 (2018).

125.

Blaser, M. The Threat of the Yrmo: The Political Ontology of a Sustainable Hunting Program. *American Anthropologist* **111**, 10–20 (2009).

126.

Armitage, D., Berkes, F., Dale, A., Kocho-Schellenberg, E. & Patton, E. Co-management and the co-production of knowledge: Learning to adapt in Canada's Arctic. *Global Environmental Change* **21**, 995–1004 (2011).

127.

Mikkel Funder, Yonika Ngaga, Martin. R Nielsen, Michael. K Poulsen, & Finn Danielsen. Reshaping Conservation: The Social Dynamics of Participatory Monitoring in Tanzania's Community-managed Forests. *Conservation and Society* **11**, 218–232 (2013).

128.

Decolonizing Conservation | Paige West and John Aini.
<https://paige-west.com/2018/07/28/decolonizing-conservation/>.

129.

Agrawal, A. Dismantling the Divide Between Indigenous and Scientific Knowledge. *Development and Change* **26**, 413–439 (1995).

130.

Madhav Gadgil, Fikret Berkes and Carl Folke. Indigenous Knowledge for Biodiversity Conservation. *Ambio* **22**, 151–156 (1993).

131.

Moller, H., Berkes, F., Lyver, P. O. & Kislalioglu, M. Combining Science and Traditional Ecological Knowledge: Monitoring Populations for Co-Management. *Ecology and Society* **9**, (2004).

132.

Dove, M. R. Indigenous People and Environmental Politics. *Annual Review of Anthropology* **35**, 191–208 (2006).

133.

Pretty, J. et al. The Intersections of Biological Diversity and Cultural Diversity: Towards Integration. *Conservation and Society* **7**, 100–112 (2009).

134.

Gavin, M. C. et al. Defining biocultural approaches to conservation. *Trends in Ecology & Evolution* **30**, 140–145 (2015).

135.

Colchester, M. Conservation policy and indigenous peoples. *Environmental Science &*

Policy **7**, 145–153 (2004).

136.

Tania Murray Li. Articulating Indigenous Identity in Indonesia: Resource Politics and the Tribal Slot. *Comparative Studies in Society and History* **42**, 149–179 (2000).

137.

Justin Kenrick and Jerome Lewis. Indigenous Peoples' Rights and the Politics of the Term 'Indigenous'. *Anthropology Today* **20**, (2004).

138.

Raymond, H. The Ecologically Noble Savage Debate. *Annual Review of Anthropology* **36**, 177–190 (2007).

139.

Fairhead, J. & Leach, M. *Misreading the African landscape: society and ecology in a forest-savanna mosaic*. vol. v. 90 (Cambridge University Press, 1996).

140.

Posey, D. A. Indigenous management of tropical forest ecosystems: the case of the Kayap[◆] indians of the Brazilian Amazon. *Agroforestry Systems* **3**, 139–158 (1985).

141.

Goldman, M. J., de Pinho, J. R. & Perry, J. Beyond ritual and economics: Maasai lion hunting and conservation politics. *Oryx* **47**, 490–500 (2013).

142.

Julia P. G. Jones, Mijaso M. Andriamarivololona, & Neal Hockley. The Importance of Taboos and Social Norms to Conservation in Madagascar. *Conservation Biology* **22**, 976–986 (2008).

143.

Holt, F. L. The Catch-22 of Conservation: Indigenous peoples, biologists, and cultural change. *Human Ecology* **33**, 199–215 (2005).

144.

Nigel Dudley, Liza Higgins-Zogib, & Stephanie Mansourian. The Links between Protected Areas, Faiths, and Sacred Natural Sites. *Conservation Biology* **23**, 568–577 (2009).

145.

Woodhouse, E., Mills, M. A., McGowan, P. J. K. & Milner-Gulland, E. J. Religious Relationships with the Environment in a Tibetan Rural Community: Interactions and Contrasts with Popular Notions of Indigenous Environmentalism. *Human Ecology* **43**, 295–307 (2015).

146.

Tengö, M., Brondizio, E. S., Elmqvist, T., Malmer, P. & Spierenburg, M. Connecting Diverse Knowledge Systems for Enhanced Ecosystem Governance: The Multiple Evidence Base Approach. *AMBIO* **43**, 579–591 (2014).

147.

Smith, L. T. *Decolonizing methodologies: research and Indigenous peoples.* (Zed, 1999).

148.

Holmes, G. & Cavanagh, C. J. A review of the social impacts of neoliberal conservation: Formations, inequalities, contestations. *Geoforum* **75**, 199–209 (2016).

149.

Wunder, S. When payments for environmental services will work for conservation. *Conservation Letters* **6**, 230–237 (2013).

150.

Kosoy, N. & Corbera, E. Payments for ecosystem services as commodity fetishism. *Ecological Economics* **69**, 1228–1236 (2010).

151.

McAfee, K. The Contradictory Logic of Global Ecosystem Services Markets. *Development and Change* **43**, 105–131 (2012).

152.

McElwee, P., Nghiem, T., Le, H., Vu, H. & Tran, N. Payments for environmental services and contested neoliberalisation in developing countries: A case study from Vietnam. *Journal of Rural Studies* **36**, 423–440 (2014).

153.

Martin, A., Gross-Camp, N., Kebede, B. & McGuire, S. Measuring effectiveness, efficiency and equity in an experimental Payments for Ecosystem Services trial. *Global Environmental Change* **28**, 216–226 (2014).

154.

Martin, A., Gross-Camp, N., Kebede, B., McGuire, S. & Munyarukaza, J. Whose environmental justice? Exploring local and global perspectives in a payments for ecosystem services scheme in Rwanda. *Geoforum* **54**, 167–177 (2014).

155.

Maron, M. et al. Taming a Wicked Problem: Resolving Controversies in Biodiversity Offsetting. *BioScience* **66**, 489–498 (2016).

156.

Hackett, R. Offsetting dispossession? Terrestrial conservation offsets and First Nation treaty rights in Alberta, Canada. *Geoforum* **60**, 62–71 (2015).

157.

Spash, C. L. Bulldozing biodiversity: The economics of offsets and trading-in Nature. *Biological Conservation* **192**, 541-551 (2015).

158.

Cécile Bidaud et al. The Sweet and the Bitter: Intertwined Positive and Negative Social Impacts of a Biodiversity Offset. *Conservation and Society* **15**, 1-13 (2017).

159.

Apostolopoulou, E. & Adams, W. M. Cutting nature to fit: Urbanization, neoliberalism and biodiversity offsetting in England. *Geoforum* **98**,.

160.

Kormos, R. et al. Great Apes and Biodiversity Offset Projects in Africa: The Case for National Offset Strategies. *PLoS ONE* **9**, (2014).

161.

Büscher, B., Sullivan, S., Neves, K., Igoe, J. & Brockington, D. Towards a Synthesized Critique of Neoliberal Biodiversity Conservation. *Capitalism Nature Socialism* **23**, 4-30 (2012).

162.

Lele, S., Springate-Baginski, O., Lakerveld, R., Deb, D. & Dash, P. Ecosystem Services: Origins, Contributions, Pitfalls, and Alternatives. *Conservation and Society* **11**, 343-358 (2013).

163.

Fairhead, J., Leach, M. & Scoones, I. Green Grabbing: a new appropriation of nature? *Journal of Peasant Studies* **39**, 237-261 (2012).

164.

Norgaard, R. B. Ecosystem services: From eye-opening metaphor to complexity blinder. *Ecological Economics* **69**, 1219–1227 (2010).

165.

Dempsey, J. Ecosystem Services as Political-Scientific Strategy. in *Enterprising Nature* 91–125 (John Wiley & Sons, Ltd, 2016). doi:10.1002/9781118640517.ch4.

166.

Dempsey, J. Biodiversity Finance and the Search for Patient Capital. in *Enterprising Nature* 159–191 (John Wiley & Sons, Ltd, 2016). doi:10.1002/9781118640517.ch6.

167.

Bull, J. W., Suttle, K. B., Gordon, A., Singh, N. J. & Milner-Gulland, E. J. Biodiversity offsets in theory and practice. *Oryx* **47**, 369–380 (2013).

168.

Rode, J., Gómez-Baggethun, E. & Krause, T. Motivation crowding by economic incentives in conservation policy: A review of the empirical evidence. *Ecological Economics* **117**, 270–282 (2015).

169.

Ferraro, P. J. Direct Payments to Conserve Biodiversity. *Science* **298**, 1718–1719 (2002).

170.

Jim Igoe. Neoliberal Conservation: A Brief Introduction. *Conservation and Society* **5**, 432–449 (2017).

171.

Neuteleers, S. & Engelen, B. Talking money: How market-based valuation can undermine environmental protection. *Ecological Economics* **117**, 253–260 (2015).

172.

Armsworth, P. R. et al. Ecosystem-Service Science and the Way Forward for Conservation. *Conservation Biology* **21**, 1383–1384 (2007).

173.

McCauley, D. J. Selling out on nature. *Nature* **443**, 27–28 (7AD).

174.

McAfee, K. Selling Nature to save It? Biodiversity and Green Developmentalism. *Environment and Planning D: Society and Space* **17**, 133–154 (1999).

175.

Gibbons, P., Macintosh, A., Constable, A. L. & Hayashi, K. Outcomes from 10 years of biodiversity offsetting. *Global Change Biology* **24**, e643–e654.

176.

Apostolopoulou, E. & Adams, W. M. Biodiversity offsetting and conservation: reframing nature to save it. *Oryx* **51**, 23–31 (2017).

177.

Pascual, U. et al. Social Equity Matters in Payments for Ecosystem Services. *BioScience* **64**, 1027–1036 (2014).

178.

Calvet-Mir, L., Corbera, E., Martin, A., Fisher, J. & Gross-Camp, N. Payments for ecosystem

services in the tropics: a closer look at effectiveness and equity. *Current Opinion in Environmental Sustainability* **14**, 150–162 (2015).

179.

Effects of payment for environmental services (PES) on deforestation and poverty in low- and middle-income countries - The Campbell Collaboration.
<https://www.campbellcollaboration.org/library/payment-for-environmental-services-deforestation-poverty.html>.

180.

Muradian, R., Corbera, E., Pascual, U., Kosoy, N. & May, P. H. Reconciling theory and practice: An alternative conceptual framework for understanding payments for environmental services. *Ecological Economics* **69**, 1202–1208 (2010).

181.

Redpath, S. M. et al. Understanding and managing conservation conflicts. *Trends in Ecology & Evolution* **28**, 100–109 (2013).

182.

Adams, William. M. & Sandbrook, C. Conservation, evidence and policy. *Oryx* **47**, 329–335 (2013).

183.

Paul D. Hirsch et al. Acknowledging Conservation Trade-Offs and Embracing Complexity. *Conservation Biology* **25**, 259–264 (2010).

184.

S. Pooley et al. An interdisciplinary review of current and future approaches to improving human-predator relations. *Conservation Biology* **31**, 513–523 (2017).

185.

McShane, T. O. et al. Hard choices: Making trade-offs between biodiversity conservation and human well-being. *Biological Conservation* **144**, 966–972 (2011).

186.

Decision-Making in Conservation and Natural Resource Management. (Cambridge University Press, 2017). doi:10.1017/9781316135938.

187.

Sutherland, W. J., Pullin, A. S., Dolman, P. M. & Knight, T. M. The need for evidence-based conservation. *Trends in Ecology & Evolution* **19**, 305–308 (2004).

188.

Sidaway, R. Resolving environmental disputes: from conflict to consensus. (Earthscan, 2005).

189.

Knight, J. & European Association of Social Anthropologists. Natural enemies: people-wildlife conflicts in anthropological perspective. (Routledge, 2000).

190.

Maan, Barua, Shonil. A. Bhagwat, & Sushrut, Jadhav. The hidden dimensions of human-wildlife conflict: Health impacts, opportunity and transaction costs. *Biological Conservation* **157**, 309–316 (2013).

191.

Thirgood, S. & Redpath, S. Hen harriers and red grouse: science, politics and human-wildlife conflict. *Journal of Applied Ecology* **45**, 1550–1554 (2008).

192.

Reed, M. S. Stakeholder participation for environmental management: A literature review.

Biological Conservation **141**, 2417–2431 (2008).

193.

Reed, M. S. & Ceno, J. S. D. Mediation and conservation conflicts: from top-down to bottom-up. in *Conflicts in Conservation* (eds. Redpath, S. M. et al.) 226–239 (Cambridge University Press, 2015). doi:10.1017/CBO9781139084574.017.

194.

Paul C. Stern. Deliberative Methods for Understanding Environmental Systems. *BioScience* **55**, 976–982 (2005).

195.

Galafassi, D. et al. Learning about social-ecological trade-offs. *Ecology and Society* **22**, (2017).

196.

Challender, D. W. S. & MacMillan, D. C. Poaching is more than an Enforcement Problem. *Conservation Letters* **7**, 484–494 (2014).

197.

Brashares, J. S., Golden, C. D., Weinbaum, K. Z., Barrett, C. B. & Okello, G. V. Economic and geographic drivers of wildlife consumption in rural Africa. *Proceedings of the National Academy of Sciences* **108**, 13931–13936 (2011).

198.

Thomas J Bassett. Card-carrying hunters, rural poverty, and wildlife decline in northern Cote d'Ivoire. *The Geographical Journal* **171**, 24–35 (2005).

199.

Hübschle, A. M. The social economy of rhino poaching: Of economic freedom fighters,

professional hunters and marginalized local people. *Current Sociology* **65**, 427–447 (2017).

200.

Lunstrum, E. Green Militarization: Anti-Poaching Efforts and the Spatial Contours of Kruger National Park. *Annals of the Association of American Geographers* **104**, 816–832 (2014).

201.

White, N. The 'White Gold of Jihad': violence, legitimisation and contestation in anti-poaching strategies. *Journal of Political Ecology* **21**, 452–474 (2014).

202.

Conrad, K. Trade Bans: A Perfect Storm for Poaching? *Tropical Conservation Science* **5**, 245–254 (2012).

203.

Conservation, crime and communities: case studies of efforts to engage local communities in tackling illegal wildlife trade.

204.

Phelps, J., Biggs, D. & Webb, E. L. Tools and terms for understanding illegal wildlife trade. *Frontiers in Ecology and the Environment* **14**, 479–489 (2016).

205.

Ripple, W. J. et al. Bushmeat hunting and extinction risk to the world's mammals. *Royal Society Open Science* **3**, (2016).

206.

Cooney, R. et al. From Poachers to Protectors: Engaging Local Communities in Solutions to

Illegal Wildlife Trade. *Conservation Letters* **10**, 367–374 (2017).

207.

Duffy, R., St John, F. A. V., Büscher, B. & Brockington, D. Toward a new understanding of the links between poverty and illegal wildlife hunting. *Conservation Biology* **30**, 14–22 (2016).

208.

Keane, A., Jones, J. P. G., Edwards-Jones, G. & Milner-Gulland, E. J. The sleeping policeman: understanding issues of enforcement and compliance in conservation. *Animal Conservation* **11**, 75–82 (2008).

209.

Rosaleen Duffy, Freya A. V. St John, Bram Buscher, & Dan Brockington. The militarization of anti-poaching: undermining long term goals? *Environmental Conservation* **42**, 345–348 (2015).

210.

Wilkie, D. S., Bennett, E. L., Peres, C. A. & Cunningham, A. A. The empty forest revisited. *Annals of the New York Academy of Sciences* **1223**, 120–128 (2011).

211.

Milner-Gulland, E. J. & Leader-Williams, N. A Model of Incentives for the Illegal Exploitation of Black Rhinos and Elephants: Poaching Pays in Luangwa Valley, Zambia. *The Journal of Applied Ecology* **29**, 388–401 (1992).

212.

Biggs, D., Courchamp, F., Martin, R. & Possingham, H. P. Legal Trade of Africa's Rhino Horns. *Science* **339**, 1038–1039 (2013).

213.

Veríssimo, D. & Wan, A. K. Y. Characterizing efforts to reduce consumer demand for wildlife products. *Conservation Biology* (2019) doi:10.1111/cobi.13227.

214.

Knapp, E. J. Why Poaching Pays: A Summary of Risks and Benefits Illegal Hunters Face in Western Serengeti, Tanzania. *Tropical Conservation Science* **5**, 434–445 (2012).

215.

J, H. Transnational Crime In The Developing World.

216.

S.B., W. Assessment of threatened status of Chinese pangolin (*Manis pentadactyl*)
Chinese Journal of Applied and Environmental Biology [2004]04].
http://en.cnki.com.cn/Article_en/CJFDTOTAL-YYHS200404013.htm.

217.

de Merode, E., Homewood, K. & Cowlshaw, G. The value of bushmeat and other wild foods to rural households living in extreme poverty in Democratic Republic of Congo. *Biological Conservation* **118**, 573–581 (2004).

218.

van Vliet, N., Nebesse, C., Gambalemoke, S., Akaibe, D. & Nasi, R. The bushmeat market in Kisangani, Democratic Republic of Congo: implications for conservation and food security. *Oryx* **46**, 196–203 (2012).

219.

Breuer, T., Maisels, F. & Fishlock, V. The consequences of poaching and anthropogenic change for forest elephants. *Conservation Biology* **30**, 1019–1026 (2016).

220.

Harrison, M. Wildlife crime: a review of the evidence on drivers and impacts in Uganda.

221.

Twinamatsiko, M. Linking Conservation, Equity and Poverty Alleviation: Understanding profiles and motivations of resource users and local perceptions of governance at Bwindi Impenetrable National Park, Uganda.

222.

MacDonald, K. I. Global hunting grounds: power, scale and ecology in the negotiation of conservation. *cultural geographies* **12**, 259–291 (2005).

223.

Marchini, S. & Macdonald, D. W. Predicting ranchers' intention to kill jaguars: Case studies in Amazonia and Pantanal. *Biological Conservation* **147**, 213–221 (2012).

224.

Goldman, M. J., de Pinho, J. R. & Perry, J. Beyond ritual and economics: Maasai lion hunting and conservation politics. *Oryx* **47**, 490–500 (2013).

225.

TRAFFIC. What's driving the wildlife trade? A Review of expert opinion on economic and social drivers of the wildlife trade and trade control efforts in Cambodia, Indonesia, Lao PDR, and Vietnam (PDF, 3.2 MB) - 08_what's_driving_the_wildlife_trade.pdf. (2008).

226.

De MERODE, E. & COWLISHAW, G. Species Protection, the Changing Informal Economy, and the Politics of Access to the Bushmeat Trade in the Democratic Republic of Congo. *Conservation Biology* **20**, 1262–1271 (2006).