

Political Ecology of Development Handbook 20-21

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Teaching team and module rationale

Module convenor: Andrew Newsham

Teaching team: *Jonathan Di John, Thomas Marois, Peter Mollinga, Andrew Newsham, Tim Pringle and Leandro Vergara-Camus.*

This course is the core module of the MSc Environment, Politics and Development. It presents a critical perspective on the relationship between environment and development, largely but not exclusively through the lens of 'political ecology'. It focuses on the dynamics of socio-environmental change, giving attention to its material/economic, political/organisational as well as cultural/ideological dimensions. The module is structured into three parts. Part 1 is the focus for term 1. Its aim is to equip students with the conceptual underpinnings and background history of critical perspectives on environment and development. It introduces not only the basis for current concerns about global environmental crisis, but situates them in their specific discursive and normative standpoints. Additionally, it chronicles the emergence of 'political ecology' as a field, the critical perspectives that it was and is inspired by, and outlines how human-environmental relations have come to be seen as so intertwined that it is difficult – some would argue impossible – to separate out society from nature, or nature from politics.

Once armed with the critical tools for making sense of the relationship between environment and development, we progress to part 2, focused on outlining 'political ecologies of....' particular topics, such as forests or climate change, the better to give an idea of how these approaches have been used, and how, when taken together, we might better start to grasp how to think through the relationship between environment and development more empirically. The third part is about changing the relationship between environment and development, and what that might entail. This part is framed by thinking on how to bring change about, leaning heavily, if not exclusively, on the work of Erik Olin Wright. Thereafter, the module will explore specific empirical instances of trying to bring change about, or the efforts of particular groups – such as indigenous peoples – to resist changes which they see as inimical in social and/or environmental terms.

Taken together, these modules aim to give you alternative ways to understand the socially unjust and environmentally catastrophic implications of current development trajectories, and to think through what changing these dynamics might entail.

Each session has a set of core and additional readings which have been chosen to illustrate the theme for each week and to provide a way of reading further into and around the topic. In this way, you will gradually build up a 'bricolage' understanding of political ecology and its sphere of application. Another way to learn more about the field is through the following textbooks and guides:

Bryant, R.L. (2015) *The international handbook of political ecology*. Edward Elgar Publishing.

Robbins, P. (2020) *Political Ecology: A Critical Introduction* (Wiley-Blackwell, third edition)

Perreault, T. G Bridge, & J. McCarthy (eds.) (2015) *The Routledge Handbook of Political Ecology*. London ; New York, NY, Routledge.

Important Dates

Term 1

Lecturers: Tuesdays, from 6 October 2020 to 8 December 2020, 12h00 to 13h00 (UK time). **Online, link on BLE.** All lectures will be recorded

Tutorials: Tuesdays 15h00 & 16h00 and Wednesdays 09h00 & 10.00 from 6/7 October 2020 to 15/16 December 2020, 14h00, **Online, link on BLE**

Reading week: 9-13 November 2020

Assessment 1 (50%): Reaction Paper Portfolio assignment (4 x 750 words) due by **23:59 Monday 14 December 2020**

Guidelines on what a reaction paper is and how to write one can be found on the BLE pages for this module.

Term 2

Lecturers: Tuesdays: from 12 January 2021 to 24 March 2021, 12h00 to 13h00, **Online, link on BLE**

Tutorials: Tuesdays 14h00 & 15h00 and Wednesdays 09h00, from 12/13 January 2021 to 24/25 March 2021, **Online, link on BLE**

Reading week: 15-19 February 2021

Assessment 2, essay (50%): 23.59 Thursday 12 March – Essay 3,000 words due by **23:59 Thursday 11 March 2021**

A list of essay questions can be found at the end of the document.

Term 1 at a glance		
1	Why worry about the environment? Poverty, the Anthropocene and planetary boundaries - Andrew Newsham	Week 1 06.10.20
2	What is Political Ecology and why does it matter? – Andrew Newsham	Week 2 13.10.20
3	Truth Claims in Socio-Nature - Andrew Newsham	Week 3 20.10.20
4	From sustainability to the green economy - Andrew Newsham	Week 4 27.10.20
5	Nature and capitalism: mainstream and critical political economy – Leandro Vergara Camus	Week 5 03.11.20
Reading week 9-13 November 2020		
6	Struggles over meaning: anthropological approaches to the environment - Peter Mollinga	Week 6 17.11.20
7	Urban Political Ecology – Peter Mollinga	Week 7 24.11.19
8	Feminist approaches to nature, environment and development – Peter Mollinga	Week 01.12.20
9	Environmental Governance – Andrew Newsham	Week 9 08.12.20
10	Climate change - Andrew Newsham	Week 10 15.12.20
Term 2 at a glance		
11	Payments for and Markets in Environmental Services – Andrew Newsham	Week 1 12.01.21
12	The Resource Curse - Jonathan Di John	Week 2 19.01.21
13	Parks, people and poverty: the challenges of conservation and development in the 21st Century – Andrew Newsham	Week 3 26.01.21
14	The Global Garment Industry and its Socio-Ecological Depletion - Alessandra Mezzadri	Week 4 02.02.21
15	How to Be an Anti-Capitalist (Part I) – Peter Mollinga	Week 5 09.02.21
Reading Week 15-19 February 2021		
16	How to Be an Anti-Capitalist (Part II) – Peter Mollinga	Week 6 23.02.21
17	Biofuels, Agrarian Change and Rural Livelihoods of Small- Scale Producers - Leandro Vergara-Camus	Week 7 02.03.21
18	Mining, Livelihoods, and Indigenous Peoples - Leandro Vergara-Camus	Week 8 10.03.21
19	Environmental Social Movements – Tim Pringle	Week 9 17.03.21
20	Conclusions – Andrew Newsham	Week 10 24.03.21

Term 1

1. Why worry about the environment? Poverty, the Anthropocene and planetary boundaries

Andrew Newsham

In this introductory session of the course we have two broad objectives. First, we will explore the logic and practicalities of the module, and its core teaching staff. Second, we will outline the two main concerns informing critical thinking on environment and development. The first relates to poverty, inequality and uneven development as associated with the use, management and governance of natural resources and the ecology. The second is that of ecological degradation, the undermining of ecological integrity/sustainability as part of the development process. The logic and practicalities of the course are discussed.

Core Readings

- Lorimer, J. (2017) The Anthro-scene: A guide for the perplexed. *Social Studies of Science*. 47 (1), 117–142. Available from: doi:10.1177/0306312716671039.
- Steffen, W., Rockström, J., Richardson, K., Lenton, T.M., et al. (2018) Trajectories of the Earth System in the Anthropocene. *Proceedings of the National Academy of Sciences*. [Online] 115 (33), 8252–8259. Available from: doi:10.1073/pnas.1810141115.

Additional readings:

- Altvater, E., Crist, E.C., Haraway, D.J., Hartley, D., et al. (2016) *Anthropocene or Capitalocene?: Nature, History, and the Crisis of Capitalism*. PM Press.
- Clark, N. and J. Gunaratnam 2017. Earthing the Anthropos? From "socializing the Anthropocene" to geologizing the social. *European Journal of Social Theory* 20(1): 146–163.
- Crutzen, P.J. and E.F. Stoermer 2000. The "Anthropocene". *IGBP Newsletter* 41: 17-18.
- Crutzen, P.J. and W. Steffen 2003. How long have we been in the Anthropocene? *Climatic Change* 61(3):251-257.
- Dalby, S. 2016. Framing the Anthropocene: the good, the bad and the ugly. *The Anthropocene Review* 3(1) 33-51.
- Davis, J., Moulton, A.A., Sant, L.V. & Williams, B. (2019) Anthropocene, Capitalocene, ... Plantationocene?: A Manifesto for Ecological Justice in an Age of Global Crises. *Geography Compass*. [Online] 13 (5), e12438. Available from: doi:10.1111/gec3.12438.
- Death, C. (2014) (ed) *Critical Environmental Politics* (Routledge) chapters 26 (Whitehead) and 28 (Methman and Oels)
- Hornborg, A. 2015. The political ecology of the Technocene: uncovering ecologically unequal exchange in the world-system. In C. Hamilton, C. Bonneuil and F. Gemenne (eds.) *The Anthropocene and the global environmental crisis. Rethinking modernity in a new epoch*. London: Routledge. Pp. 57-69.
- Jagodzinski, J. ed (2018). *Interrogating the Anthropocene: Ecology, Aesthetics, Pedagogy, and the Future in Question*. Palgrave Studies in Educational Futures. [Online]. Cham, Springer International Publishing.
- Latour, B. and H. Davis. 2015. Diplomacy in the face of Gaia. Bruno Latour in conversation with Heather Davis. In H. Davis and E. Turpin (eds.) *Art in the Anthropocene: encounters among aesthetics, politics, environments and epistemologies*. London: Open Humanities Press. Pp. 43-56.
- Lele, Sharachandra. 2013. Rethinking sustainable development. *Current History*. November. pp.311-316
- Lenton, Timothy M. and Hywel T.P. Williams. On the origin of planetary-scale tipping points. 2013 *Trends in Ecology and Evolution* Focus Issue: Is there a global tipping point for planet Earth? 28(7) (available online)
- Lövbrand, E., S. Beck, J. Chilvers, T.J. Forsyth, J. Hedrén, M. Hulme, R. Lidskog and E. Vasileiadou. 2015. Who speaks for the future of Earth? How critical social science can extend the conversation on the Anthropocene. *Global Environmental Change* 32: 211-218.

- Malm, A. and A. Hornborg. 2014. The geology of mankind? A critique of the Anthropocene narrative. *The Anthropocene Review* 1(1): 62-69.
- Martinez, George, Gordon McGranahan, Mark Montgomery and Regilio Fernández-Castill (eds.). 2008.. *The new global frontier. Urbanisation, poverty and environment in the 21st century*. Earthscan
- McAfee, K. (2016) The Politics of Nature in the Anthropocene. *RCC Perspectives*. (2), 65–72.
- Moore, J.W. 2015b. Putting nature to work: anthropocene, capitalocene, & the challenge of world-ecology. In C. Wee, J. Schönenbach and O. Arndt (eds.) *Supramarkt: A micro-toolkit for disobedient consumers, or how to frack the fatal forces of the Capitalocene*. Gothenburg: Irene Books. Pp. 69-117.
- Rockström, J. et al. 2009. Planetary boundaries: exploring the safe operating space for humanity. *Ecology and Society* 14(2): 32. <http://www.ecologyandsociety.org/vol14/iss2/art32/> [also published in a shorter version in *Nature* in 2009] are
- Rose, D.B. 2013. Anthropocene noir. *Arena Journal* 41/42: 206-219.
- Special Section: "Planetary Boundaries" and Global Environmental Governance in *Ecological Economics* Vol.81, September 2012. (notably the paper by Biermann pp.4-9)
- Steffen, Will, Katherine Richardson, Johan Rockström, Sarah E. Cornell, Ingo Fetzer, Elena M. Bennett, R. Biggs, Stephen R. Carpenter, Wim de Vries, Cynthia A. de Wit, Carl Folke, Dieter Gerten, Jens Heinke, Georgina M. Mace, Linn M. Persson, Veerabhadran Ramanathan, B. Reyers, Sverker Sörlin . 2015. Planetary boundaries: Guiding human development on a changing planet. *Science*, 347(6223).10.1126/science.1259855
- Swyngedouw, E. & Ernstson, H. (2018) Interrupting the Anthro-obScene: Immuno-biopolitics and Depoliticizing More-than-Human Ontologies in the Anthropocene. *Theory, Culture & Society*.
- Todd, Z. 2015. Indigenizing the Anthropocene. In H. Davis and E. Turpin (eds.) *Art in the Anthropocene: encounters among aesthetics, politics, environments and epistemologies*. London: Open Humanities Press. Pp. 241-254.

Also see/listen/read:

Amartya Sen on climate change: <http://www.newrepublic.com/article/118969/environmentalists-obsessabout-global-warming-ignore-poor-countries>

Brundtland Commission. 1987. *Our Common Future*, Oxford: Oxford University Press (report by the World Commission on Environment and Development). <http://www.un-documents.net/wced-ocf.htm> ; <http://worldinbalance.net/intagreements/1987-brundtland.php>

Environment and conflict: <http://ejatlas.org/>

TED talk by Johan Rockström on 'Planetary Boundaries': http://www.ted.com/talks/johan_rockstrom_let_the_environment_guide_our_development.html

The *Gasland* documentary on fracking: https://www.youtube.com/watch?v=YmB0iTfug_g (full version of the documentary <https://www.youtube.com/watch?v=cutGpoD3inc>)

UNDP-UNEP Environment-Poverty initiative: <http://www.unpei.org/>

Water, energy and peace in Gaza: <http://www.hidropolitikakademi.org/en/the-future-of-gaza-will-be-set-upby-ecology-energy-and-water-rather-than-military-operations.html>

2. What is political ecology and why does it matter?

Andrew Newsham

This session introduces political ecology as an approach to enquiry. It charts its history and outlines its relations to allied disciplines including anthropology and geography. While discussing some of the broad parameters of political ecology, the session highlights its critiques (even asking if it exists as a discrete body of knowledge) and contributions to ecological understandings, development practice and social and environmental justice.

Core readings

Escobar, Arturo (2010), 'Postconstructivist political ecologies', in Redcliffe, M., & G Woodgate (eds), *The International Handbook of Environmental Sociology* (Second Edition). Cheltenham, UK/ Northampton, MA, USA: Edward Elgar, PP 91-105.

Robbins, P. (2020) *Political Ecology: A Critical Introduction* (Wiley-Blackwell, third edition) chapter 1.

Additional readings

Blaikie, P.M. (1985) *The Political Economy of Soil Erosion in Developing Countries* (Longman)

Blaikie, P.M. and H.A. Brookfield (1987) *Land Degradation and Society* (Methuen)

Braun B. (2008) Environmental Issues: Inventive Life. *Progress in Human Geography*, 32 (5): 667–679.

Bryant, R. (1997) Beyond the Impasse: The Power of Political Ecology in Third World Environmental Research. *Area*, 29 (1) 15-19.

Castree, N. (2014) "Geography and the Anthropocene 1: The Backstory." *Geography Compass* 8(7) 436-439

Castree, N. (2014) "Geography and the Anthropocene 3: Future Directions." *Geography Compass* 8(7): 464-476

Castree, N. (2014) "Geography and the Anthropocene II: Current Contributions." *Geography Compass* 8 (7): 450-463.

Castree, N. (2014) *Making Sense of Nature* (Routledge)

Castree, N. (2014) *Making Sense of Nature* (Routledge) chapters 1, 2 and 9.

Crewe, Emma and Richard Axelby, 2013. Anthropology and Development: culture, morality and politics in a globalised world [Chapter 6 on Hierarchies of Knowledge]

Forsyth, T. (2003) *Critical Political Ecology: The politics of environmental science* (Routledge) chapters 1, 2 and 10.

Jarosz, L. (2004) 'Political ecology as ethical practice', *Political Geography* 23: 917–927.

Johnson, E., H. Morehouse, S. Dalby, J. Lehman, S. Nelson, R. Rowan, S. Wakefield, K. Yusoff (2014) After the Anthropocene: Politics and geographic inquiry for a new epoch. *Progress in Human Geography*, 38 (3): 439-456.

Kallis, G. (2015) Political Ecology Gone Wrong, <http://entitleblog.org/2015/05/07/political-ecology-gonewrong/>

Lövbrand, E. et al (2015) Who Speaks for the Earth? How critical social science can extend the conversation on the Anthropocene' *Global Environmental Change*

Moore, J.W. (2015), "Putting Nature to Work," in Cecilia Wee, Janneke Schönenbach, and Olaf Arndt (eds) *Supramarkt: A micro-toolkit for disobedient consumers, or how to frack the fatal forces of the Capitalocene*. Gothenburg: Irene Books, 69-117.

Peet, R., P. Robbins and M. Watts, (Eds) (2010) *Global Political Ecology* (Routledge) chapter 1 Robbins, P. (2003) 'Political ecology in political geography', *Political Geography* 22: 641–645.

Peet, R. and M. Watts. 2004. *Liberation ecologies: environment, development, social movements*. Routledge [SOAS library [A363.7 /931021](#) ; [A363.7 /932140](#) + 41; [A363.7 /964807](#) + 08]

Vayda, P. and B.B. Walters (1999) Against Political Ecology, *Human Ecology*, 27(1): 167-179

Walker, P.A. (2005) 'Political ecology: where is the ecology?' *Progress in Human Geography* 29 (1): 73–82.

Zimmerer, K. S. (2006) 'Cultural ecology at the interface with political ecology: The new geographies of environmental conservation and globalisation'. *Progress in Human Geography* 30(1): 63–78

3. Socio-nature, constructivism and the relational-ontological turn

Andrew Newsham

The term “socio-nature” has become impossible to ignore in the field of political ecology. A response, at least in its origins, to the perceived explanatory limitations and internal contradictions of social constructivism, “socio-nature” purports to capture the irreducible character of what, hitherto, we referred separately to as society and nature. It is rooted in an increasingly predominant philosophical approach to understanding human-environmental dynamics and phenomena which is sometimes termed ‘relational ontology’. This session explores: a) what might be gained by political ecology from considering society and nature as irreducibly relational; and b) whether the account of how we can claim to know truly what a thing is, upon which the term “socio-nature” hinges, can credibly be said to resolve the philosophical problems which gave rise to the constructivist ‘turn’ in the first place. It will do this partly by looking at how “socio-nature” is deployed within the context of urban political ecology, and partly by returning to debates around the work of Bruno Latour, one of the most influential advocates of relational ontology.

The topics of enquiry for this session are dense and difficult, even if crucial for understanding what it is that political ecology takes itself to be doing. The lecture will, for that reason, focus largely if not exclusively on the core readings, leaving the additional readings to signpost the way to more broadly relevant debates, critiques and counter critiques. If you do find yourself struggling with the key readings, it may help to know that they will handsomely repay hard study.

Core readings

- Bloor, D., (1999a). Anti-Latour. *Studies in the history and philosophy of science*, Vol.30 pt.1., 81-112-81–112.
- Latour, B., (1999). For David Bloor... and Beyond: A Reply to David Bloor’s ‘Anti-Latour’. *Studies in the history and philosophy of science*, Vol.30 pt.1., pp.113-129-pp.113–129.

Additional readings

- Barnes, B., Bloor, D., and Henry, J., (1996). *Scientific knowledge: a sociological analysis*. London: Athlone Press.
- Bloor, D., (1991). *Knowledge and social imagery*. Chicago: London: University of Chicago Press.
- Bloor, D., (1999)b. Reply to Bruno Latour. *Studies in the history and philosophy of science*, Vol.30 pt.1, 131– 136. *Capitalism, Nature, Socialism*, 7(1): 65–80
- Bonelli, C. (2012) Ontological disorders: Nightmares, psychotropic drugs and evil spirits in southern Chile. *Anthropological Theory*. [Online] 12 (4), 407–426. Available from: doi:10.1177/1463499612469587.
- Castro, E.V. de (2015) *cannibal Metaphysics*. U of Minnesota Press.
- de la Cadena, M. & Blaser, M. (2018) *A World of Many Worlds*. Durham, Duke University Press.
- Escobar, A. (2010) Latin America at a Crossroads. *Cultural Studies*. [Online] 24 (1), 1–65. Available from: doi:10.1080/09502380903424208.
- Forsyth, T. (2003) *Critical Political Ecology: The Politics of Environmental Science*. Psychology Press.
- Haraway, D. (1991) *Simians, Cyborgs and Women—The reinvention of Nature*. London: Free Association Books
- Haraway, D.J. (2016) *Staying with the Trouble: Making Kin in the Chthulucene*. Duke University Press.
- Heynen, N. C., Kaika, M., and Swyngedouw, E. (eds), (2006). *In the Nature of Cities: Urban Political Ecology and the Politics of Urban Metabolism*. Taylor & Francis.
- Latour B. (2004) *Politics of Nature: How to bring the sciences into democracy*. Cambridge, MA: Harvard University Press
- Latour, B. (2013) *An Inquiry Into Modes of Existence*. Cambridge, MA: Harvard University Press.
- Latour, B., (1993). *We have never been modern*. Harlow: Longman.
- Law, J. & Hassard, J. (1999) *Actor Network Theory and After*. Wiley.
- Law, J (2016) Actor Network Theory and Material Semiotics, in Turner, B.S. ed. *The New Blackwell Companion to Social Theory*. John Wiley & Sons.

- Mueller, M. (2015) Assemblages and Actor-networks: Rethinking Socio-material Power, Politics and Space. *Geography Compass*. [Online] 9 (1), 27–41. Available from: doi:10.1111/gec3.12192.
- Peluso, N.L. (2012) What's nature got to do with it? A situated historical perspective on socio-natural commodities. *Development and Change*. 43 (1), 79–104.
- Stengers, I. (2010) *Cosmopolitics*. University of Minnesota Press.
- Stott, P.A. & Sullivan, S. (2000) *Political ecology : science, myth and power*. London ; New York, NY, Arnold : Oxford University Press.
- Zimmer, A., Cornea, N. & Véron, R. (2017) Of parks and politics: the production of socio-nature in a Gujarati town. *Local Environment*. [Online] 22 (1), 49–66. Available from: doi:10.1080/13549839.2016.1157157.

4. From sustainability to the green economy: a brief history of sustainable development discourses

Andrew Newsham

This session explores the mainstream framings and approaches that have sought to elucidate how development – broadly conceived in economic terms – can be done in ways which reduce the environmental problems with which it is associated. We will start with the concepts of sustainability and its offspring, sustainable development, which took root in earnest from the 1970s onwards, looking at a small but illustrative sample of the myriad ways in which they have been deployed discursively, and the empirical processes and phenomena to which they have been attached. Sustainable development continues to be enshrined in development policy and practice, owing in large part to the existence of the Sustainable Development Goals, which co-ordinated efforts towards global development are supposed to bring about. But it has now been accompanied by the notion of the green economy, which is, according to the UNEP, the economic underpinnings for sustainable development.

Political ecologists, amongst others, have sought to critique these framings and to ground them in a broader critique of neoliberal capitalism which continues to guide political and economic decision-making amongst governments and transnational corporations alike. We will explore key concepts – in particular neoliberalisation of conservation, and the commodification of nature – which have been deployed by critical environmental scholars to interrogate ‘business as usual’ environment and development.

Core Readings

- Adams, W.M. (2017) Sleeping with the enemy? Biodiversity conservation, corporations and the green economy. *Journal of Political Ecology*. [Online] 24 (1), 243–257. Available from: doi:10.2458/v24i1.20804.
- Redclift, M. (2005) Sustainable development (1987–2005): an oxymoron comes of age. *Sustainable Development*. [Online] 13, 212–227. Available from: doi:10.1002/sd.281.

Additional Readings

- Arsel, M. & Buscher, B.E. (2012). Nature Inc: Changes and Continuities in Neoliberal Conservation and Environmental Markets. *Development and Change*, 43(1), 53-78
- Asiyanbi, A. (2015) 'Mind the gap: global truths, local complexities in emergent green initiatives', in Raymond L. Bryant (ed.) *The International Handbook for Political Ecology*. Cheltenham - UK and Northampton - USA: Edward Elgar. pp. 274–287.
- Bakker, K. (2010). The Limits of 'Neoliberal Natures': Debating Green Neoliberalism. *Progress in Human Geography*, 34, 715-735.

- Borowy, Iris. 2014. Defining sustainable development for our common future. A history of the World Commission on Environment and Development (Brundtland Commission). Abingdon and New York: Routledge-Earthscan
- Brand, U. (2011). Green Economy – the Next Oxymoron? No Lessons Learned from Failures of Implementing Sustainable Development. *GAIA*, 21 (1), 28–32.
- Brockington, D. (2012) "A Radically Conservative Vision? The Challenge of UNEP's Towards a Green Economy." *Development and Change* 43 (1): 409-422.
- Brockington, D., R. Duffy and J. Igoe (2008) *Nature Unbound: Conservation, Capitalism and the Future of Protected Areas* (London: Earthscan) ch 9
- Büscher, B., Dressler, W., & Fletcher, R. (Eds.). (2014). *Nature Inc.: environmental conservation in the neoliberal age*. University of Arizona Press.
- Castree, N. (2003). Commodifying what nature?. *Progress in Human Geography*, 27, 273-292.
- Castree, N. (2010) "Neoliberalism and the biophysical world 2: theorising the neoliberalisation of nature." *Geography Compass* 4(12): 1734-1746.
- Death, C. (2014) (ed) *Critical Environmental Politics* (Routledge) Chapter 6 (Paterson)
- Duffy, R. and D. Brockington, (2010) (eds) special issue of *Antipode: A Radical Journal of Geography*, vol 42 no 3 – reprinted as Brockington and Duffy (eds) (2010) *Capitalism and Conservation* (Blackwell) available as an e-book via the SOAS library
- Fletcher, R. (2013). How I learned to stop worrying and love the market: virtualism, disavowal, and public secrecy in neoliberal environmental conservation. *Environment and planning D: society and space*, 31(5), 796-812.
- McCarthy, J. and Prudham, S. (2004). Neoliberal nature and the nature of neoliberalism. *Geoforum*, 35, 275-283.
- Newsham, A. and Bhagwat, S. (2016) *Conservation and Development*. London and New York: Routledge (Chapters 2 and 7).
- Sachs, J. D. (2012) [From Millennium Development Goals to Sustainable Development Goals](#). *Lancet* 379: 2206-2211
- United Nations Environment Programme and World Tourism Organization. (2012). *Tourism in the Green Economy – Background Report*. Madrid: UNWTO. Available at http://www.unep.org/greeneconomy/Portals/88/documents/ger/ger_final_dec_2011/Tourism%20i n%20the%20green_economy%20unwto_unep.pdf
- Wanner, T. (2014). The New 'Passive Revolution' of the Green Economy and Growth Discourse: Maintaining the 'Sustainable Development' of Neoliberal Capitalism. *New*
- World Bank. (2012). *Inclusive Green Growth: the Pathway to Sustainable Development*. Washington, DC: World Bank. Available at <https://openknowledge.worldbank.org/handle/10986/6058>

5. Nature and capitalism: mainstream and heterodox political economy

Leandro Vergara-Camus

This week's readings provide you with a sample of some of the different political economy approaches to the relationship between nature and capitalism. How do the different approaches understand and represent the relationships between the production and distribution of wealth and power and the appropriation, use, and distribution of natural resources? Can the market or capitalist accumulation be combined harmoniously with environmental sustainability and human wellbeing and equitable distribution of resources? Should or can the market be tamed by the state or civil society or are the creative forces unleashed by capitalism so powerful that they will find market solutions to environmental degradation? Do we have the adequate theoretical tools to understand how capitalism reproduces through nature or do we need to rethink conventional categories? The lecture will explore these questions through this sample of approaches.

Core readings

- Meadowcroft, James (2005) 'Environmental Political Economy, Technological Transitions and the State', *New Political Economy*, vol. 10, no.4, pp. 479-498.
- Bellamy Foster, John and Brett Clark (2003), "Ecological Imperialism. The Curse of Capitalism" in Panitch, Leo and Colin Leys, eds., *The Socialist Register. The New Imperial Challenge*, London, Merlin, pp. 186-200. Available via moodle.

Additional Readings

- Andreucci, Diego, García-Lamarca, Melissa, Wedekind, Jonah and Erik Swyngedouw (2017), "Value Grabbing": A Political Ecology of Rent", *Capitalism Nature Socialism*, 28(3):28-47.
- Barbier, Edward (2013), "Wealth Accounting, Ecological Capital and Ecosystem Services", *Environment and Development Economics*, 18: 133–161.
- Bellamy Foster, John, Clark, Brett and Richard York (2010), *The Ecological Rift. Capitalism's War on the Earth*, New York, Monthly Review Press.
- Brand, Ulrich and Christoph Görg, 2008, "Post-Fordist Governance of Nature: The Internationalization of the State and the case of Genetic Resources – a Neo-Poulantzian Perspective", *Review of International Political Economy*, 15(4): 567-589.
- Görg, Christoph, 2006, "Contested Regimes in the International Political Economy: Global Regulation of Genetic Resources and the Internationalization of the State", *Global Environmental Politics*, 6(4): 101-123.
- Libecap, Gary (2007), "The Assignment of Property Rights on the Western Frontier: Lessons for Contemporary Environmental and Resource Policy", *Journal of Economic History*, 67(2): 257-291.
- Loftus, Alex and Michael Ekers (2012), "Revitalizing the Production of Nature Thesis: A Gramscian Turn?", *Progress in Human Geography*, 37(2): 234-252.
- Martinez-Alier, Joan (2009), "Social Metabolism, Ecological Distribution Conflicts, and Languages of Valuation", *Capitalism Nature Socialism*, 20(1): 58-87.
- Mol, Arthur (2001), *Globalization and Environmental Reform. The Ecological Modernization of the Global Economy*, Cambridge, MIT Press.
- Moore, Jason (2017), "The Capitalocene, Part I: on the nature and origins of our ecological crisis", *The Journal of Peasant Studies*, 44(3): 594-630.
- Moore, Jason W. (2018), "The Capitalocene Part II: accumulation by appropriation and the centrality of unpaid work/energy", *The Journal of Peasant Studies*, 45(2): 237-279.
- Parenti C. (2015), "The 2013 ANTIPODE AAG Lecture: The Environment Making State: Territory, Nature, and Value", *Antipode*, 47(4): 829-848.
- Smith, Neil (2006), "Nature as Accumulation Strategy" in Panitch, Leo and Colin Leys, eds., *Socialist Register 2007: Coming to Terms with Nature*, London, Merlin, pp. 16-36. Available from SOAS webpage through the electronic journal section.
- Vergara-Camus, Leandro (2017), "Capitalism, Democracy, and the (De)growth" Horizon Contribution to the Symposium "Beyond Capitalism? Socialism, Ecology and the Challenge of (De)growth", *Capitalism, Nature, Socialism*, 30(2): 217-233.
- Wissen, Markus, 2009, "Contested terrains: Politics of Scale, the National State and Struggles for the Control over Nature", *Review of International Political Economy*, vol. 16, no. 5, pp. 883-906.

6. Struggles over meaning: anthropological approaches to the environment

Peter Mollinga

Anthropologists did ethnographic research on farming communities, pastoralists, irrigation systems, forest communities, and other resource systems and groupings long before political ecology was born. Apart from

making a distinct methodological contribution through its ethnographic approach, anthropology has done much to profile the importance of 'meaning' (as discourse, worldview, knowledge, identity, and otherwise) in the study of human-environment dynamics. The Ingold and Strang readings are about this importance, and intricacy of meaning. The Li and Tsing readings show how an anthropological sensitivity and approach can combine with a strongly political economy influenced political ecology.

Core Readings

- Strang, Veronica. (2000) Showing and telling: Australian land rights and material moralities. *Journal of Material Culture* 5(3): 275–299
- Li, Tanya Murray. 2008. Articulating indigenous identity in Indonesia: resource politics and the tribal slot. In: Dove, Michael R. and Carol Carpenter, eds. *Environmental Anthropology: A Historical Reader*. Malden (MA): Blackwell , pp. 339-362 (in SOAS library A304.2 /757208)

Additional reading:

- Brosius JP, Tsing A, Zerner C, eds. 2005. *Communities and Conservation: Histories and Politics of CommunityBased Natural Resource Management*. Walnut Creek, CA: Altamira Press
- Brosius, J. Peter , Tsing, Anna Lowenhaupt and Zerner, Charles. 1998. Representing communities: Histories and politics of community-based natural resource management', *Society & Natural Resources* 11: 2, 157 — 168
- Descola, P. And G. Palsson. 1996. Introduction. In: Descola, P., and Palsson, G. (eds) *Nature and Society. Anthropological Perspectives*. London: Routledge, pp.1-21
http://books.google.de/books?hl=nl&lr=&id=TpPJmIPqv58C&oi=fnd&pg=PR7&dq=anthropology+environment&ots=i2toEt_RDN&sig=ERv0KdTpDQTjGyP-0FukLfJckxk&redir_esc=y#v=onepage&q=anthropology%20environment&f=false
- DeWalt, B.R., 1994. Using indigenous knowledge to improve agriculture and natural resource management. *Human Organization* 53(2):123–131.
- Dove, Michael R. and Carol Carpenter, eds. 2008. *Environmental Anthropology: A Historical Reader*. Malden (MA): Blackwell (in SOAS library A304.2 /757208)
- Ellen, Roy, Peter Barkes and Alan Bicker. 2000. *Indigenous environmental knowledge and its transformations. Critical anthropological perspectives*. Harwood Academic Publishers
- Galvin, Kathleen A. 2009. Transitions: Pastoralists Living with Change. *Annual Review of Anthropology*. 38:185–98
- Geertz, Clifford. 1972. The wet and the dry: traditional irrigation in Bali and Morocco. *Human Ecology* 1(1):23-39
- Haenn, Nora and Richard Wilk (eds.). 2006. *The environment in anthropology: a reader in ecology, culture and sustainable living*. New York and London: New York University Press
- Ingold, Tim. 2000. *The perception of the environment, Essays on livelihood, dwelling and skill*. London and New York: Routledge. In this: Chapter 1 'Culture, nature, environment. Steps to an ecology of life' pp.13-26
- Mascia, M. B., J. P. Brosius, T. A. Dobson, B. C. Forbes, L. Horowitz, M. A. McKean, and N. J. Turner. 2003. Conservation and the social sciences. *Conservation Biology* 17:649–650.
- Milton, Kay. 2013. *Environmentalism and cultural theory. Exploring the role of anthropology in environmental discourse*. Routledge
- Moran, Emilio. 2000. Theory and practice in environmental anthropology. In: Hill, Carole E. and Marietta L. Baba (eds.) *The unity of theory and practice in anthropology: rebuilding a fractured synthesis* NAPA Bulletin 18, pp.132-146 (book available online)
- Mosse, David, 2003. *The Rule of Water. Statecraft, Ecology, and Collective Action in South India*. New Delhi: Oxford University Press.
- Steward, J.H. 1977. *Evolution and ecology: essays on social transformation*. Urbana: University of Illinois Press.
- Strang, Veronica. 2000. Showing and telling: Australian land rights and material moralities. *Journal of Material Culture* 5(3): 275–299

- Tsing, A.L. 2001. Nature in the making. In: Crumley, Carole L. (ed.) *New directions in Anthropology & Environment intersection*. Lanham, MD: AltaMira Press, pp.3-23
http://books.google.de/books?hl=nl&lr=&id=Jf93AAAAQBAJ&oi=fnd&pg=PR3&dq=anthropology+environment&ots=noI5aHEWY &sig=DqSvi9aZaWgdukg8Z3DVzlowwLY&redir_esc=y#v=onepage&q=anthropology%20environment&f=false
- Tsing, Anna Lowenhaupt. 2008. Becoming a tribal elder, and other green development fantasies. In: Dove, Michael R. and Carol Carpenter, eds.. *Environmental Anthropology: A Historical Reader*. Malden (MA): Blackwell , pp. 393-422 (in SOAS library A304.2 /757208)
- West, Paige. 2005. Translation, Value, and Space: Theorizing an Ethnographic and Engaged Environmental Anthropology *American Anthropologist* 107(4): 632–642

7. Urban political ecology

Peter Mollinga

One area in which a political ecology lens is explicitly used is in urban studies, where critical/resource geographers analyse the ‘metabolism’ of cities, with water in a prominent role. Cities, as humanly constructed landscapes/ecologies, and the ultimate examples of ‘modern life’, constantly and intensively ‘digest’ things like “water, food, computers or hamburgers” in “infinitely connected physical *and* social processes” (Heynen et al.:2). This session discusses the connections between urbanisation, uneven development and the ecology (in short: uneven urban environmental change), with a focus on water resources.

Core Readings

- Heynen, Nik, Maria Kaika and Erik Swyngedouw. 2006. Urban political ecology: politicizing the production of urban natures. In: Heynen , Nik, Maria Kaika and Erik Swyngedouw (eds.)2006. *In the nature of cities. Urban political ecology and the politics of urban metabolism*. London and New York: Routledge (book available online), pp.1-19.
- Newell, Joshua P. and Joshua J. Cousins. 2014. The boundaries of urban metabolism: Towards a political–industrial ecology. *Progress in Human Geography* pp.1-27.

Additional reading:

- Anand, N. 2012. Municipal disconnect: on abject water and its urban infrastructures. *Ethnography* 13(4):487–509
- Bakker, K. 2003. A political ecology of water privatization. *Studies in Political Economy*. 70 (Spring): 35–48
- Bennett J. 2010. *Vibrant Matter: A Political Ecology of Things*. Durham, NC: Duke Univ. Press
- Birkenholtz, Trevor. 2010. ‘Full-cost recovery’: producing differentiated water collection practices and responses to centralized water networks in Jaipur, India *Environment and Planning A* 42: 2238-2253
- Castro, E. 2004. Urban water and the politics of citizenship: the case of the Mexico City Metropolitan Area (1980s–1990s) *Environment and Planning A* 36:327–346
- Gandy M. 2008. Landscapes of disaster: water, modernity and urban fragmentation in Mumbai. *Environment and Planning A* 40:108–30
- Gandy, M. 2004. Rethinking urban metabolism: water, space and the modern city. *City*, 8:371–387
- Harvey, D. 1973 *Social Justice and the City*. Cambridge, MA: Blackwell Publishers
- Heynen , Nik, Maria Kaika and Erik Swyngedouw (eds.)2006. *In the nature of cities. Urban political ecology and the politics of urban metabolism*. London and New York: Routledge (book available online)
- Kaika, M. 2005. *City of Flows: Nature, Modernity and the City*. New York: Routledge
- Keil, R. 2003. Urban political ecology. *Urban Geography*, 24(8): 723–738
- Loftus, Alex. 2006. The metabolic processes of capital accumulation in Durban’s waterscape. In: Heynen , Nik, Maria Kaika and Erik Swyngedouw (eds.)2006. *In the nature of cities. Urban political ecology and the politics of urban metabolism*. London and New York: Routledge (book available online), pp.165-182

- Monstadt, Jochen. 2009. Conceptualizing the political ecology of urban infrastructures: insights from technology and urban studies. *Environment and Planning A* 41: 1924- 1942
- Musemwa, Muchaparara. 2010. From 'Sunshine City' to a Landscape of Disaster. The Politics of Water, Sanitation and Disease in Harare, Zimbabwe, 1980–2009. *Journal of Developing Societies* 26(2):165-206
- Nilsson, D. and E.N. Nyanchaga. 2008. Pipes and politics: A century of change and continuity in Kenyan urban water supply. *Journal of Modern African Studies* 46(1): 133–158
- Pelling, Mark. 1999. The political ecology of flood hazard in urban Guyana. *Geoforum* 30: 249-261
- Swyngedouw, Erik, Maria Kaika, and Esteban Castro. 2002. Urban water: a political ecology perspective. *Built Environment* 28(2):124-137 (read online: <http://www.jstor.org/discover/10.2307/23288796?uid=3737864&uid=2&uid=4&sid=21104681753193>)
- Swyngedouw, E. 1997. Power, nature, and the city. The conquest of water and the political ecology of urbanization in Guayaquil, Ecuador: 1880 – 1990. *Environment and Planning A* 29(2):311 – 332
- Swyngedouw, Erik, 2009. 'The Political Economy and Political Ecology of the Hydro-social Cycle'. *Journal of Contemporary Water Research and Education*, 142: 56-60.
- Swyngedouw, E., and N. C. Heynen. 2003. Urban political ecology, justice and the politics of scale. *Antipode* 35(5):898-918. (Senate House Library)
- Whitehead, M. 2003. (Re)analysing the sustainable city: nature, urbanization and the regulation of socioenvironmental relations in the UK. *Urban Studies* 40(7): 1183–1206

8. Feminist approaches to nature, environment and development

Peter Mollinga

This session focuses on the feminist political ecology literature, exploring how gender relations have been addressed in political ecology analyses, and the relative lack of attention and priority that feminist political ecology has been given. The relationships between gender and nature, and masculinity/femininity and technology are also discussed, as well as the rise and fall of ecofeminism.

Core Readings

- Rocheleau, D., Thomas-Slayter, B. and Wangari, E. (2013[1996]) Gender and Environment: A feminist political ecology perspective. In: *Feminist political ecology: Global issues and local experiences*. London: Routledge, pp.3-24.
- Leach, M. (2007) Earth Mother Myths and Other Ecofeminist Fables: How a Strategic Notion Rose and Fell. *Development and Change*, 38(1): 67–85.

Additional reading

- Carr, Edward R. and Mary C. Thompson. 2014. Gender and Climate Change Adaptation in Agrarian Settings: Current Thinking, New Directions, and Research Frontiers. *Geography Compass* 8/3: 182–197
- Truelove, Yaffa. 2011. (Re-)Conceptualizing water inequality in Delhi, India through a feminist political ecology framework. *Geoforum*. 42(2):143–152
- Agarwal, Bina, 1994. *A Field of One's Own. Gender and Land Rights in South Asia*. Cambridge: Cambridge University Press.
- Bavington, Dean, Brenda Grzetic and Barbara Neis. 2004. The feminist political ecology of fishing down: Reflections from Newfoundland and Labrador. *Studies in Political Economy* 73 (Spring/Summer): 159-182
- Bhattarai, B. , Beilin, R. , Ford, R. 2015. Gender, Agrobiodiversity, and Climate Change: A Study of Adaptation Practices in the Nepal Himalayas *World Development* 70: 122–132
- Bray, Francesca. 2007. Gender and technology. *Annual Review of Anthropology* 36:37-53 (available online)
- Buechler, Stephanie and Anne-Marie Hanson (eds.). 2015. *A political ecology of women, water and global environmental change*. Abingdon and New York: Routledge (ordered for SOAS library)

- Buckingham, S., Kulcur, R., 2009. Gendered geographies of environmental injustice. *Antipode* 41 (4), 659–683. . (Senate House Library)
- Carney, Judith and Michael Watts. 1991. Disciplining Women? Rice, Mechanization, and the Evolution of Mandinka Gender Relations in Senegambia. *Signs*. 16(4): 651- 681 (paper in special issue on *Women, Family, State, and Economy in Africa*) (available online)
- Cornwall, A., Harrison, E., Whitehead, A., 2007. Introduction: feminisms in development: contradictions, contestations and challenges. In: Cornwall, A., Harrison, E., Whitehead, A. (Eds.), *Feminisms in Development: Contradictions, Contestations and Challenges*. Zed Books, London, pp. 1–20.
- Drew, Georgina. 2014. Mountain Women, Dams, and the Gendered Dimensions of Environmental Protest in the Garhwal Himalaya. *Mountain Research and Development* 34(3):235-242.
- Elias, Marlène. 2015. Gender, knowledge-sharing and management of shea (*Vitellaria paradoxa*) parklands in central-west Burkina Faso. *Journal of Rural Studies* 38:27-38
- Elmhirst, Rebecca. 2011. Introducing new feminist political ecologies. *Geoforum* 42(2): 129–132
- Elmhirst, Rebecca and Bernadette P. Resurreccion (2008). Gender, environment and natural resource management: new dimensions, new debates. Chapter 1 in: Resurreccion, Bernadette P. and Rebecca Elmhirst (eds.). *Gender and natural resource management : livelihoods, mobility and interventions*. London: Earthscan (available in SOAS library [G333.72 /729798](#); available on the internet), pp.1-20
- Harris, Leila M. 2009. Gender and emergent water governance: comparative overview of neoliberalized natures and gender dimensions of privatization, devolution and marketization. *Gender, Place & Culture: A Journal of Feminist Geography* 16(4):387-408
- Hecht, S.B. 2007. Factories, forests, fields and family: Gender and neoliberalism in extractive resources. *Journal of Agrarian Change* 7(3):316-347 (available online)
- Hovorka, Alice. 2006. The No. 1 Ladies' Poultry Farm: A Feminist Political Ecology of Urban Agriculture in Botswana. *Gender, Place and Culture* 13(3): 207-255.
- Howard, P.L. and G. Nabanoga. 2007. Are there customary rights to plants? An inquiry among the Baganda (Uganda) with special attention to gender. *World Development* 35(9):1542-1563
- Merchant, Carolyn. 1980. *The Death of Nature: Women, Ecology, and the Scientific Revolution*. New York: Harper and Row.
- Merchant, Carolyn. 2010 (orig. 1989). *Ecological revolutions. Nature, gender and science in New England*. (Second edition) University of North Carolina Press
- Mollett, Sharlene and Caroline Faria. 2013. Messing with gender in feminist political ecology. *Geoforum* 45:116-125
- Momsen, J., 2007. Gender and agrobiodiversity: introduction to the special issue. *Singapore Journal of Tropical Geography* 28, 1–6.
- Radel, C. 2012. Gendered livelihoods and the politics of socio-environmental identity: Women's participation in conservation projects in Calakmul, Mexico. *Gender, Place, and Culture* 19(1): 61-82.
- Razavi, S., 2003. Introduction: Agrarian change, gender and land rights. *Journal of Agrarian Change* 3 (1/2), 2–32.
- Themed Issue: New Feminist Political Ecologies. 2011. *Geoforum* 42(2)
- Thomas-Slayter, Barbara, Esther Wangari and Dianne Rocheleau. 2013 (orig 1996). Feminist political ecology. Crosscutting themes, theoretical insights and policy implications. In: Dianne Rocheleau, Barbara Thomas-Slayter and Esther Wangari (eds.) *Feminist political ecology. Global issues and local experiences*. Routledge International Studies of Women and Place. London: Routledge, pp.287-307
- Tschakert, Petra. 2012. From impacts to embodied experiences: tracing political ecology in climate change research, *Geografisk Tidsskrift-Danish Journal of Geography* 112:2, 144-158
- Yngstrom, Ingrid. 2002. Women, Wives and Land Rights in Africa: Situating Gender Beyond the Household in the Debate Over Land Policy and Changing Tenure Systems. *Oxford Development Studies* 30(1): 21-40 (available online)
- Zwarteveen, Margreet. 1997. Water: From Basic Need to Commodity: A Discussion on Gender and Water Rights in the Context of Irrigation. *World Development* 25 (8):1335-1349.

Zwarteveen, Margreet, 2008. 'Men, Masculinities and Water Powers in Irrigation.' *Water Alternatives*, 1 (1): 111-130.

9. Environmental Governance

Andrew Newsham

The lecture in this session surveys mainstream thinking on and varieties of environmental governance, and then introduces political ecology engagement with and critique of these, chiefly in relation to the neoliberalisation of environmental governance and attendant considerations of power relations. This scene-setting exercise then sets up the opportunity, via the core readings, to explore the divergent analytical strategies of predominant governance approaches – using the example of adaptive governance – and those employed by political ecologists in the context of resource governance in Tanzania.

Core Readings

Ahlborg, H. & Nightingale, A.J. (2018) Theorizing power in political ecology: the 'where' of power in resource governance projects. *Journal of Political Ecology*. [Online] 25 (1), 381–401. Available from: doi:10.2458/v25i1.22804.

Folke, C., Hahn, T., Olsson, P. & Norberg, J. (2005) Adaptive governance of social-ecological systems. In: *Annual Review of Environment and Resources*. Palo Alto, Annual Reviews. pp. 441–473.

Additional Readings

Agrawal, A. (2005) *Environmentality: Technologies of Government and Political Subjects* (Duke University Press)
Biermann, F., B Siebenhuner, A Schreyogg (2014) *International Organisations in Global Environmental Governance* (Routledge)

Bryant, Raymond. (2009) Born To Be Wild? Nongovernmental Organisations, Politics and the Environment. *Geography Compass* 3: 1540-1558.

Bulkeley, Harriet. (2005) Reconfiguring Environmental Governance: Towards a Politics of Scales and Networks. *Political Geography*, 24: 875-902.

Campling, L., E. Havice and P. Howard, (2012), 'The Political Economy and Ecology of Capture Fisheries: Market Dynamics, Resource Access and Relations of Exploitation and Resistance', *Journal of Agrarian Change*, 12(2-3): 177-203

Castree, N. (2014) *Making Sense of Nature* (Routledge) chapter 3

Conca, K. 'The WTO and the undermining of global environmental governance', *Review of International Political Economy*, 7: 3 (2000).

Corson, C. (2010) Shifting Environmental Governance in a Neoliberal World: US AID for Conservation, *Antipode* 42(3): 576-602. (Senate House Library)

Dingwerth, Klaus and Philipp Pattberg. (2009) World Politics and Organisational Fields: The Case of Transnational Sustainability Governance. *European Journal of International Relations* 15: 707-744

Dorsch, M.J. & Flachsland, C. (2017) A Polycentric Approach to Global Climate Governance. *Global Environmental Politics*. [Online] 17 (2), 45–64. Available from: doi:10.1162/GLEP_a_00400.

Duffy, Rosaleen (2005) The Politics of Global Environmental Governance: The Powers and Limitations of Transfrontier Conservation Areas in Central America' *Review of International Studies*, 31 (2): 303-327.

Evans, J. (2012) *Environmental Governance*. (Routledge)

Hale, T. (2020) Transnational Actors and Transnational Governance in Global Environmental Politics. *Annual Review of Political Science*. [Online] 23 (1), 203–220. Available from: doi:10.1146/annurev-polisci-050718-032644.

Kutting, G. and R.Lipschutz (eds) (2009) *Environmental Governance: Power and knowledge in a local-global world* (Routledge) chapters 1 and 11 (Kutting and Lipschutz), and chapter 6 (Brand)

- Liverman, D. (2004) Who Governs, at What Scale and at What Price? Geography, Environmental Governance, and the Commodification of Nature. *Annals of the Association of American Geographers* 94 (4), 734-738.
- Murphy, D.J. (2014) Ecology of Rule: Territorial Assemblages and Environmental Governance in Rural Mongolia. *Anthropological Quarterly*. [Online] 87 (3), 759–792. Available from: doi:10.1353/anq.2014.0051.
- Newell, Peter. (2008) The Political Economy of Global Environmental Governance. *Review of International Studies* 34: 507-529.
- Newsham, A. J. and Bhagwat, S., 2016. *Conservation and Development* (Chapter 6 on environmental governance). Abingdon, Oxon.: Routledge. Available from: <https://www.routledge.com/products/9780415687812> .
- Okereke, C. (2010) *Global Justice and Neoliberal Environmental Governance* (Routledge)
- Young, O. R. (2011) Effectiveness of international environmental regimes: Existing knowledge, cutting-edge themes, and research strategies, *Proceedings of the National Academy of Sciences*, 108 (50): 19853–19860. available on <http://www.pnas.org/content/108/50/19853.full.pdf+html>

10. Climate change

Andrew Newsham

This lecture provides a brief introduction to the causes and impacts of climate change, as well as giving a flavour of the broad responses (or lack therein) to date. It also explores how critical environmental scholars have engaged with the issue of climate change.

Core Readings

- Goldman, M.J., Turner, M.D. & Daly, M. (2018) A critical political ecology of human dimensions of climate change: Epistemology, ontology, and ethics. *Wiley Interdisciplinary Reviews: Climate Change*. [Online] 9 (4), e526. Available from: doi:10.1002/wcc.526.
- Hulme, M. (2009) Geographical work at the boundaries of climate change. *Transactions of the Institute of British Geographers*, 33: 5-11.
- Hickel, J., 2020. Quantifying national responsibility for climate breakdown: an equality-based attribution approach for carbon dioxide emissions in excess of the planetary boundary. *The Lancet Planetary Health*, 4 (9), e399–e404.

Additional Reading

- Bulkeley, H. and P. Newell (2010) *Governing Climate Change* (Routledge)
- Bulkeley, H., Andonova, L., Backstrand, K., Betsill, M., Compagnon, D., Duffy, R., Kolk, A., Hoffman, M., Levy, D., Newell, P., Milledge, T., Paterson, M., Pattberg, P. & VanDeveer, S. (2012) Governing climate change transnationally: assessing the evidence from a database of sixty initiatives. *Environment and Planning C: Government and Policy*. 30 :591-612.
- Bumpus, A.G. and D. Liverman (2008). Accumulation by Decarbonization and the governance of Carbon Offsets. *Economic Geography* 84, 2: 127-155.
- Castree, N. (2014) *Making Sense of Nature* (Routledge) chapter 8
- Death, C. (2014) (ed) *Critical Environmental Politics* (Routledge) chapter 8 (Okereke and Charlesworth)
- Demeritt, D. (2011) Why we disagree about climate change: understanding controversy, in action and opportunity, *Progress in Human Geography* 35 (1): 132-134
- Eriksen, S.H., Nightingale, A.J., Eakin, H., 2015. Reframing adaptation: The political nature of climate change adaptation. *Global Environmental Change*, Vol. 35(11): 523–533.
- Forsyth, T. (2003) *Critical Political Ecology: The politics of environmental science* (Routledge) chapters 4 & 9.
- Interactive carbon map: <http://www.carbonmap.org/>
- Intergovernmental Panel for Climate Change IPCC, 2014. Synthesis Report. Summary for Policy Makers. http://www.ipcc.ch/pdf/assessment-report/ar5/syr/AR5_SYR_FINAL_SPM.pdf
- IPCC, 2018: Summary for Policymakers. In: *Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global Greenhouse gas emission*

- pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty* [Masson-Delmotte, V., P. Zhai, H.-O. Pörtner, D. Roberts, J. Skea, P.R. Shukla, A. Pirani, W. Moufouma-Okia, C. Péan, R. Pidcock, S. Connors, J.B.R. Matthews, Y. Chen, X. Zhou, M.I. Gomis, E. Lonnoy, T. Maycock, M. Tignor, and T. Waterfield (eds.)]. Intergovernmental Panel on Climate Change. <https://www.ipcc.ch/sr15/>
- Kutting, G. and R.Lipschutz (eds) (2009) *Environmental Governance: Power and knowledge in a local-global world* (Routledge) chapters 8 (Goldman) and 9 (Forsyth)
- Levy, D. and P. Newell (eds) (2005) *The Business of Global Environmental Governance* (MIT Press) chs 13 (Levy and Newell), 5 (Falkner).
- Lohman, L. (2008) Carbon trading, climate justice and the production of ignorance: Ten examples. *Development* 51 (3): 359-365.
- Bulkeley, H. and Newell, P., 2015. *Governing Climate Change*. Routledge.
- Newell, P. and M. Paterson (2010) *Climate Capitalism Global warming and the transformation of the global economy* (Cambridge University Press)
- Newsham, A., Pulido, M. T., Ulrichs, M., Cruz, R. M., Ocón, X. C., Shankland, A., and Cannon, T., 2018. Ecosystems-based adaptation: Are we being conned? Evidence from Mexico. *Global Environmental Change*, 49, 14–26.
- Nightingale, Andrea Joslyn, Eriksen, Siri, Taylor, Marcus, Forsyth, Timothy, Pelling, Mark, Newsham, Andrew et al, (2019), 'Beyond technical fixes: climate solutions and the great derangement.' *Climate and Development*. DOI: [10.1080/17565529.2019.1624495](https://doi.org/10.1080/17565529.2019.1624495)
- Peet, R., P. Robbins and M. Watts, (Eds) (2010) *Global Political Ecology* (Routledge) chapters 9 (Johnson), 10 (Bumpus and Liverman), 14 (Bridge) 15 (Labban)
- Robbins, P. (2012) *Political Ecology: A Critical Introduction* (Wiley-Blackwell, second edition) chapter 13
- Swyngedouw, E. (2010) Apocalypse Forever? Post-political Populism and the Spectre of Climate Change. *Theory Culture & Society* 27(2-3): 213-232.
- Taylor, M. (2014) *The Political Ecology of Climate Change Adaptation: Livelihoods, agrarian change and the conflicts of development*. Abingdon: Routledge.
- World Meteorological Organisation (2019), *The Global Climate 2015-2019*. https://library.wmo.int/index.php?lvl=notice_display&id=21522#.XYoqb2bTWUk

END OF YEAR BREAK

Term 2

11. Markets, ecosystems and environmental services

Andrew Newsham

In mainstream policy framings of sustainable development and related discourses, the predominance of using the market to solve environmental problems whilst continuing to generate economic growth has been accompanied by interventions seeking to put this logic into practice. Principally, these have consisted in efforts to establish markets which aim to price in the environmental costs of economic activity. In theory, these markets should guarantee the continuance of the 'ecosystem services' underpinning that economic activity. This session will look at key payments for ecosystem services schemes that have been launched, and will survey the evaluation of the outcomes of critical environmental scholars.

Core readings

- Shapiro-Garza, E., McElwee, P., Hecken, G.V. & Corbera, E. (2020) Beyond Market Logics: Payments for Ecosystem Services as Alternative Development Practices in the Global South. *Development and Change*. [Online] 51 (1), 3–25. Available from: doi:10.1111/dech.12546.
- McElwee, P., Huber, B. & Nguyễn, T.H.V. (2020) Hybrid Outcomes of Payments for Ecosystem Services Policies in Vietnam: Between Theory and Practice. *Development and Change*. [Online] 51 (1), 253–280. Available from: doi:10.1111/dech.12548.

Additional readings

- Alix-Garcia, J.M., Shapiro, E.N. & Sims, K.R.E. (2012) Forest Conservation and Slippage: Evidence from Mexico's National Payments for Ecosystem Services Program. *Land Economics*. 88 (4), 613–638.
- Asiyanbi, A.P., Ogar, E. & Akintoye, O.A. (2019) Complexities and surprises in local resistance to neoliberal conservation: Multiple environmentalities, technologies of the self and the poststructural geography of local engagement with REDD+. *Political Geography*. [Online] 69, 128–138. Available from: doi:10.1016/j.polgeo.2018.12.008
- Bakkegaard, R. & Wunder, S. (2014) 'Bolsa Floresta, Brazil', in E.O. Sills et al. (eds.) *REDD+ on the ground: a case of subnational initiatives across the globe*. Bogor: Center for International Forestry Research.
- Bee, B.A. (2019) Gendered spaces of payment for environmental services: A critical look. *Geographical Review*. [Online] 109 (1), 87–107. Available from: doi:10.1111/gere.12292.
- Börner, J., Baylis, K., Corbera, E., Ezzine-de-Blas, D., et al. (2017) The Effectiveness of Payments for Environmental Services. *World Development*. [Online] 96, 359–374. Available from: doi:10.1016/j.worlddev.2017.03.020.
- Corbera, E. & H. Schroeder (eds.) (2018) *REDD Crossroads Post Paris: Politics, Lessons and Interplays*. MDPI - Multidisciplinary Digital Publishing Institute.
- Corbera, E., Costedoat, S., Ezzine-de-Blas, D. & Hecken, G.V. (2020) Troubled Encounters: Payments for Ecosystem Services in Chiapas, Mexico. *Development and Change*. [Online] 51 (1), 167–195. Available from: doi:10.1111/dech.12540.
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- Wunder, S. et al. (2018) 'From Principles to Practice in Paying for Nature's Services', *Nature Sustainability* 1(3): 1–6.

12. The Resource Curse

Jonathan Di John

This lecture provides a critical survey of the 'resource curse'—the idea that mineral and fuel abundance generates negative developmental outcomes in less developed countries. In particular, it examines the idea that mineral and fuel abundance generates growth-restricting forms of state intervention, extraordinarily large degrees of rent-seeking and corruption, which are generally argued to be negative in terms of the developmental outcomes they generate. It also identifies some decisive factors that help determine the 'blessing threshold'—below which the risk of a resource curse may be very high—in mineral and fuel abundant developing countries.

Core Readings

- Di John, J. (2011). Is there really a resource curse? A critical survey of theory and evidence. *Global Governance*, 17(2), 167-184.
- Karl, T. L. (1999). The perils of the petro-state: reflections on the paradox of plenty. *Journal of International Affairs*, 53(1), 31-52

Additional Readings

- Lundstøl, O., Raballand, G., & Nyirongo, F. (2013). Low government revenue from the mining sector in Zambia and Tanzania: Fiscal design, technical capacity or political will? ICTD Working Paper No. 9.
- Auty, R. M. (2000). How natural resources affect economic development. *Development Policy Review*, 18(4), 347-364
- Nugent, J. B., & Robinson, J. A. (2010). Are factor endowments fate? *Revista de Historia Económica/Journal of Iberian and Latin American Economic History (Second Series)*, 28(01), 45-82.
- Development Digest No. 1: The Resource Curse, SOAS: CDPR (download at: <https://www.soas.ac.uk/cdpr/publications/dd/file48462.pdf>)
- Di John, J. (2007). Oil abundance and violent political conflict: A critical assessment. *The Journal of Development Studies*, 43(6), 961-986.
- Dunning, T. (2008) *Crude Democracy: Natural Resource Wealth and Political Regimes* (Cambridge University Press: New York).
- Gelb, A., & Grasmann, S. (2009). Confronting the oil curse. *Population and natural resources*. Pp. 85-155.
- Haber, Stephen, and Victor Menaldo, 2011, "Do Natural Resources Fuel Authoritarianism? A Reappraisal of the Resource Curse," *American Political Science Review*. February.
- Hertog, S. (2010). Defying the resource curse: explaining successful state-owned enterprises in rentier states. *World Politics*, 62(2), 261-301.
- Karl, T. (1997) *The Paradox of Plenty*. University of California Press.
- Lederman, D., & Maloney, W. F. (2007). *Natural Resources: neither curse nor destiny*. Washington, D.C.: The World Bank.
- Ross, M. (2015) [What have we learned about the resource curse](#), Annual Review of Political Science, 18: 239-250
- Rosser, A (2007) The Political Economy of the Resource Curse: A Literature Survey. IDS Working Paper 268.
- Rosser, A. (2007). Escaping the resource curse: The case of Indonesia. *Journal of Contemporary Asia*, 37(1), 38-58
- Sokoloff, K. L., & Engerman, S. L. (2000). History lessons: Institutions, factors endowments, and paths of development in the new world. *The Journal of Economic Perspectives*, 217-232

13. Parks, People and Poverty: the challenges of conservation and development in the 21st Century

Andrew Newsham

Concerns regarding the social dimensions of conservation policy gathered momentum during the 1990s with the new international agenda for the elimination of poverty and have subsequently been reinforced in the twenty-first century. They were reflected, for example, in the UN's Millennium Development Goals (MDGs) and the concept of national poverty reduction strategies, as well as at the 5th IUCN World's Park Congress in 2003. In 2005, the Millennium Ecosystem Assessment also emphasised that the destructive effects of deforestation, pollution, climate change and lack of access to resources are mostly felt by the poor, contributing to increased inequality and social conflict. In the face of this new challenge, but also with a view to retaining funding opportunities for conservation, environmental agencies (including previously preservationist NGOs) started to incorporate the poverty-alleviation discourse while emphasising the services provided by ecosystems. However, there is much debate on how exactly the protection of biological diversity can address poverty. This lecture discusses some of the narratives and counter arguments behind

the belief that biodiversity can provide financial answers to the challenges raised by poverty. It also looks at some of the challenges of reconciling development in places constrained by biological conservation.

Core Readings

- Brockington, D. & Wilkie, D. (2015) Protected areas and poverty. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*. 370 (1681), 52–53. (open access)
- Zimmerer, K.S. (2011) 'Conservation Booms' with agricultural growth? Sustainability and Shifting Environmental Governance in Latin America, 1985-2008 (Mexico, Costa Rica, Brazil, Peru, Bolivia). *Latin American Research Review*. 46, 82–114. <https://muse.jhu.edu/article/457004>

Additional readings

- Adams, J.S. & McShane, T.O. (1992) *The Myth of Wild Africa: Conservation Without Illusion*. Berkeley, University of California Press.
- Adams, W. M. & Hutton, J. (2007) People, parks and poverty: political ecology and biodiversity conservation. *Conservation and society*. 5 (2), 147–183.
- Adams, W. M. et al. (2004) Biodiversity Conservation and the Eradication of Poverty. *Science, New Series*. 306 (5699), 1146–1149.
- Brockington, D. et al. (2006) Conservation, human rights, and poverty reduction. *Conservation Biology*. 20 (1), 250–252.
- Bremer, L. L. et al. (2014) Conservation and livelihood outcomes of payment for ecosystem services in the Ecuadorian Andes: What is the potential for 'win-win'? *Ecosystem Services*. 8148–165.
- Cernea, M. M. & Schmidt-Soltau, K. (2006) Poverty Risks and National Parks: Policy Issues in Conservation and Resettlement. *World Development*. 34 (10), 1808–1830.
- Coad, L. et al. (2008) *The costs and benefits of forest protected areas for local livelihoods: a review of the current literature*. Cambridge, UK: UNEP World Conservation Monitoring Centre.
- Ferraro, P. J. et al. (2013) More strictly protected areas are not necessarily more protective: evidence from Bolivia, Costa Rica, Indonesia, and Thailand. *Environmental Research Letters*. 8 (25011), 7.
- Ferraro, P. J. & Pressey, R. L. (2015) Measuring the difference made by conservation initiatives: protected areas and their environmental and social impacts. *Philosophical Transactions of the Royal Society B: Biological Sciences*.
- Fisher, B. & Christopher, T. (2007) Poverty and biodiversity: Measuring the overlap of human poverty and the biodiversity hotspots. *Ecological Economics*. 62 (1), 93–101.
- Geisler, C. (2003) 'Your park, my poverty. Using impact assessment to counter displacement effects of environmental greening', in P. R. S. R. Brechin & P. C. West Wilchusen, C. L. Fortwangler (eds.) *Contested nature: Promoting international biodiversity conservation with social justice in the twentyfirst century*. New York: University of New York Press. pp. 217–229.
- Ioris, A. A. R. (2015) The Production of Poverty and the Poverty of Production in the Amazon: Reflections from Those at the Sharp End of Development. *Capitalism Nature Socialism*. (July), 1–17.
- Kelly, A. B. & Gupta, A. C. (2016) Protected Areas: offering security to whom, when and where? *Environmental Conservation*. 1–9.
- Kohler, F. & Brondizio, E. S. (2017) Considering the needs of indigenous and local populations in conservation programs. *Conservation Biology*. 31 (2), 245–251.
- Neumann, R.P. (1998) *Imposing wilderness: struggles over livelihood and nature preservation in Africa*. Berkeley, University of California Press.
- Neumann, R.P. (1997) Primitive ideas: protected area buffer zones and the politics of land in Africa. *Development and Change*. 28, 559–582.
- Redford KH, Fearn E (eds). 2007 *Protected areas and human displacement: a conservation perspective*. New York, NY: Wildlife Conservation Society Working Paper 29, 152p.
- Oates, J.F. (1999) *Myth and Reality in the Rain Forest: How Conservation Strategies are Failing in West Africa*. University of California Press.

Terborgh, J. (2004) *Requiem for Nature*. Island Press.

Ward, C., Stringer, L.C. & Holmes, G. (2018) Protected area co-management and perceived livelihood impacts. *Journal of Environmental Management*. [Online] 228, 1–12. Available from: doi:10.1016/j.jenvman.2018.09.018.

Zimmer, A., Cornea, N. & Véron, R. (2017) Of parks and politics: the production of socio-nature in a Gujarati town. *Local Environment*. [Online] 22 (1), 49–66. Available from: doi:10.1080/13549839.2016.1157157.

14. The Global Garment Industry and its Socio-Ecological Depletion

Alessandra Mezzadri

This session discusses the features of the global garment industry, its historical role in the early labour-intensive phases of development, and its current structure as a complex global production network extending across the world economy. It highlights the industry's problematic social and environmental standards, its proneness to industrial disasters, and its systematic everyday depletion of workers' health and the surrounding environment. In discussing the industry's main social and environmental failings, the lecture will also seek to discuss their interrelation, highlighting possible backward and forward linkages between 'modern slavery', industrial waste and environmental degradation. The recent industrial shift of the industry towards PPE production will also be discussed, in light of concerns over novel forms of forced labour, overproduction, and waste.

Core readings

Brooks A., Fletcher K., Francis R. A., Rigby E. D. and Roberts T. 2017. 'Fashion, Sustainability, and the Anthropocene'. *Utopian Studies* 28(3): 482-504 (Special Issue: Utopia And Fashion).

Crang P., Brickell K., Parsons L., Natarajan N., Cristofolletti T. and Graham N. 2020. 'Discardscapes of fashion: commodity biography, patch geographies, and preconsumer garment waste in Cambodia'. *Social & Cultural Geography*.

Recommended readings

Ashwin S., Kabeer N. and Schüßler E. 2020. 'Contested Understandings in the Global Garment Industry after Rana Plaza'. *Development and Change* 51(5): 1296-1305.

Bapat D. 2016. 'The Waghri Community: Urban India's Invisible Recyclers'. *The Wire India*.
<https://thewire.in/politics/waghri-and-chindhiwaali-workers>

Bick R. Halsey E. and Elenga C. C. 2018. 'The global environmental injustice of fast fashion'. *Environmental Health* 17:92.

Brooks A. 2015. *Clothing Poverty: The Hidden World of Fast Fashion and Second-Hand Clothes*. London: Zed.

Crang P., Brickell K., Parsons L., Natarajan N., Cristofolletti T. and Graham N. (2020): 'Discardscapes of fashion: commodity biography, patch geographies, and preconsumer garment waste in Cambodia'. *Social & Cultural Geography*.

Fletcher C. 2020. 'What happens to waste PPE during the coronavirus pandemic?' *The Conversation UK*.

Gereffi G. 2020. 'What does the COVID-19 pandemic teach us about global value chains? The case of medical supplies'. *The Journal of International Business Policy* 3: 287–301.

Grönwall, J. and Jonsson, A.C. 2017. The Impact of 'zero' coming into fashion: Zero Liquid Discharge uptake and socio-technical transitions in Tirupur. *Water Alternatives* 10(2): 602-624

Knowles C 2015. 'The Flip-Flop Trail and Fragile Globalization'. *Theory Culture and Society*, 37(7-8): 231–244

Mezzadri A. and Ruwanpura K. (2020) How Asia's clothing factories switched to making PPE – but sweatshop problems live on. *The Conversation UK*.

Prentice R. and De Neve G. *Unmaking the global sweatshop: health and safety of the world's garment workers*. Philadelphia: University of Pennsylvania Press.

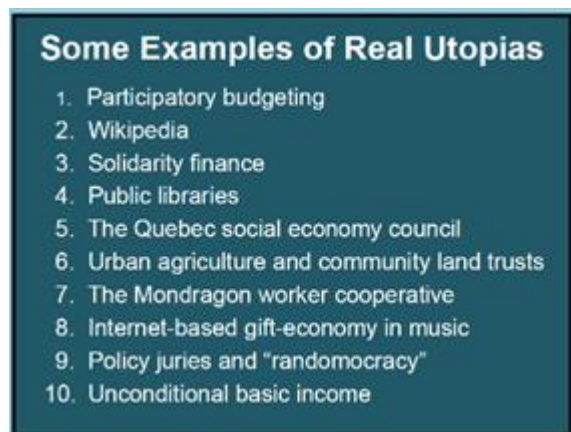
Prentice, R. and De Neve, G. and Mezzadri, A. and Ruwanpura, K. N. 2017. 'Health and Safety in Garment Workers' Lives: Setting a New Research Agenda'. *Geoforum*, (88) Jan, pp 157-160.

- Remy N. Speelman E. and Swartz S. 2016. *Style that's sustainable: A new fast-fashion formula*. Report, McKinsey & Company, 2016.
- Sima S. and Restiani P. 2019. *Water Governance Mapping Report: Textile Industry Water Use In Ethiopia*. SIWI Report, available at <https://www.siwi.org/wp-content/uploads/2017/06/Water-Governance-Mapping-Report-Ethiopia.pdf>
- Stanes E. and Gibson C. 2017. *Materials that linger: An embodied geography of polyester clothes* 85: 27-36.
- Toffanin, T. 2021. 'The Labour Process And Health Through The Lens Of Marx's Historical Materialism'. In Mezzadri A. (ed.) *Marx in the Field*. Anthem Frontiers of Global Political Economy and Development, Anthem Press.
- Tranberg Hansen K. & Le Zotte J. 2019. Changing Secondhand Economies. *Business History*, 61:1, 1-16.

15. How to be an anti-capitalist? Envisioning real utopias

Peter Mollinga

The first part of the title of this session and the next is taken from a recent book by Erik Olin Wright (EOW) titled 'How to be an anti-capitalist in the 21st century' (Verso 2019, available at reduced price till end of September). The subtitle of this first of two sessions is the title of the same authors 2010 book. EOW sets out to develop a systematic approach to what he in 2019 called 'eroding capitalism', that is he seeks to develop a sociological Marxist approach to 'transformative change', trying to think through the space between 'smashing capitalism' (as in revolution) and 'taming capitalism' (as in reformist approaches). In this session his approach is presented and discussed using examples from the environmental domain.



Olin Wright's list of 'Real Utopias'
 (from: PP slides lecture May 2012 by Erik Olin Wright at LSE)

Core readings:

- Wright, Erik Olin (2019) Chapter 3 'Varieties of Anticapitalism' in *How To be an Anti-Capitalist in the 21st Century*. London: Verso (in SOAS library as e-book)
- Kloppenborg, J. (2014). Re-purposing the master's tools: the open source seed initiative and the struggle for seed sovereignty. *Journal of Peasant Studies*, 41(6), 1225-1246. (available in SOAS library)

Additional readings:

- Baviskar, A. (2003) 'For a cultural politics of natural resources', *Economic and Political Weekly*, Vol. 38, No. 48, pp.5051 – 5055.
- Burawoy, M. (2005) 'For public sociology', *American Sociological Review*, Vol. 70, No. 1, pp.4 – 28.
- Green, Duncan (2016) *How change happens*. OUP, p.1-45

- Kloppenborg, J. (2010) 'Impeding dispossession, enabling repossession: biological open source and the recovery of seed sovereignty', *Journal of Agrarian Change*, Vol. 10, No. 3, pp.367 – 388.
- Li, T.M. (2007) *The Will to Improve: Governmentality, Development, and the Practice of Politics*, Duke University Press, Durham and London.
- Stein, Danielle and Craig Valters. 2012. *Understanding theory of change in international development*. JRSP Paper 1. London: The Justice and Security Research Programme LSE/The Asia Foundation.
- Wright, E. O. (2010). *Envisioning real utopias*. London: Verso. (Book freely downloadable via Google Scholar)
- Wright, E. O. (2013). Transforming capitalism through real utopias. *Irish Journal of Sociology*, 21(2), 6-40.
- Wuyts, M., Mackintosh, M., & Hewitt, T. 1992. *Development policy and public action*. Oxford University Press in association with the Open University.' Introduction', p.1-9.
- Young, M., & Esau, C. (Eds.). (2016). *Transformational Change in Environmental and Natural Resource Management: Guidelines for policy excellence*. Routledge (e-copy in SOAS Library), p.1-14, 207-220.

Duncan Green's Blog:

Where has the Doing Development Differently movement got to, two years on? <http://oxfamblogs.org/fp2p/where-has-the-doing-development-differently-movement-got-to-two-years-on/>

Also have a look at:

Practical Action Publishing books (<https://practicalaction.org/publishing/>):

- Chambers, R. (2017). *Can we know better. Reflection for Development*. Rugby: Practical Action Publishing.
- Hayman, R., King, S., Kontinen, T., & Narayanaswamy, L. (Eds.). (2016). *Negotiating Knowledge: Evidence and Experience in Development NGOs*. Rugby: Practical Action Publishing.
- Mougeot, L. J. (Ed.). (2017). *Putting Knowledge to Work: Collaborating, influencing and learning for international development*. Rugby: Practical Action Publishing Limited.
- People's Knowledge Editorial Collective (2016) *People's Knowledge and Participatory Action Research: Escaping the white-walled labyrinth*. Rugby, UK: Practical Action Publishing.

READING WEEK

16. How to be an anti-capitalist? Activist and other engaged research

Peter Mollinga

Where the first session of two tries to think through 'transformative change' before the fact so to speak, as an element of strategizing to achieve change, the second session starts from the other end. It also looks at knowledge and analysis, but focuses on, first, how activists can/do contribute to transformative change through an 'organic' relationship with social movements as researchers, and, second, how concrete socio-environmental struggles have generated new knowledge, concept and theories. The empirical focus in this second session is on Environmental Justice movements.

Core readings:

- 1) One of the following two papers:
 - a. Fox, J. 2006. Lessons from action–research partnerships: LASA/Oxfam America 2004 Martin Diskin memorial lecture. *Development in Practice*, 16(1), 27–38. (journal available in SOAS library)
 - b. Hale, C. R. (2006). Activist research v. cultural critique: Indigenous land rights and the contradictions of politically engaged anthropology. *Cultural anthropology*, 21(1), 96-120. (journal available in SOAS library)
- 2) Martinez-Alier, J., Anguelovski, I., Bond, P., Del Bene, D., & Demaria, F. (2014). *Between activism and science: grassroots concepts for sustainability coined by Environmental Justice Organizations*. (downloadable as pdf via Google Scholar)

Additional readings:

- Adams, A. (1979). An open letter to a young researcher. *African Affairs*, 78(313): 451-479.
- Adams, W. M. (2017). Sleeping with the enemy? Biodiversity conservation, corporations and the green economy. *Journal of Political Ecology* 24:243-257
- Batterbury, S. (2015). Doing political ecology inside and outside the academy. In Bryant (Ed) *The International Handbook of Political Ecology*. Edward Elgar Publishing.
- Borras, S. M. (2016). Land politics, agrarian movements and scholar-activism. *Inaugural lecture. ISS, The Hague*.
- Breman, J. (1985) 'Between accumulation and immiseration: the partiality of fieldwork in rural India', *Journal of Peasant Studies*, Vol. 13, No. 1, pp.5 – 36.
- Casas-Cortés, M.I. (2009) Social Movements as Sites of Knowledge Production: Precarious Work, the Fate of Care and Activist Research in a Globalizing Spain, Doctoral dissertation, The University of North Carolina at Chapel Hill.
- Cash, D.W. (2001) "'In order to aid in diffusing useful and practical information": agricultural extension and boundary organizations', *Science, Technology, & Human Values*, Vol. 26, No. 4, pp.431 – 453.
- Cash, D.W., Clark, W.C., Alcock, F., Dickson, N.M., Eckley, N., Guston, D.H., Jäger, J. and Mitchell, R.B. (2003) 'Knowledge systems for sustainable development', *Proceedings of the National Academy of Sciences*, Vol. 100, No. 14, pp.8086 – 8091.
- Chilisa, B. (2017). Decolonising transdisciplinary research approaches: an African perspective for enhancing knowledge integration in sustainability science. *Sustainability Science*, 12(5), 813-827.
- Choudry, A. (2013) 'Activist research practice: exploring research and knowledge production for social action', *Socialist Studies/Études Socialistes*, Vol. 9, No. 1, pp.128 – 151.
- Choudry, A. (2014a) 'Activist research and organizing: blurring the boundaries, challenging the binaries', *International Journal of Lifelong Education*, Vol. 33, No. 4, pp.472 – 487.
- Choudry, A. (2014b) '(Almost) everything you always wanted to know about activist research but were afraid to ask: What activist researchers say about theory and methodology', *Contention*, Vol. 1, No. 2, pp.75 – 88.
- Choudry, A. (2015) *Learning Activism: The Intellectual Life of Contemporary Social Movements*, University of Toronto Press, Toronto.
- Clark, W.C., Van Kerkhoff, L., Lebel, L. and Gallopín, G.C. (2016b) 'Crafting usable knowledge for sustainable development', *Proceedings of the National Academy of Sciences*, Vol. 113, No. 17, pp.4570 – 4578.
- Cook, N. (2012) "'I'm here to help": development workers, the politics of benevolence and critical literacy', in De Oliveira Andreotti, V. and De Souza, L.M.T. (Eds.) *Postcolonial Perspectives on Global Citizenship Education*, Routledge, Abingdon, pp. 136 – 151.
- Flood, M., Martin, B. and Dreher, T. (2013) 'Combining academia and activism: common obstacles and useful tools', *Australian Universities Review*, Vol. 55, No. 1, pp.17 – 26.
- Freire, P. (2000). *Pedagogy of the oppressed*. Bloomsbury Publishing.
- Hale, C. R. (2001). What is activist research. *Social Science Research Council*, 2(1-2), 13-15.
- Hale, C. R. (2008). *Engaging contradictions: Theory, politics, and methods of activist scholarship*. Univ of California Press.
- Heynen, N., & Van Sant, L. (2015). Political ecologies of activism and direct action politics. *The Routledge handbook of political ecology*. Oxon: Routledge.
- Kilminster, R. (2014). Praxis and Method (RLE: Gramsci): A Sociological Dialogue with Lukacs, Gramsci and the Early Frankfurt School. Routledge. (orig. 1979)
- Kitching, G. (2015). Karl Marx and the Philosophy of Praxis (RLE Marxism). Routledge. (orig. 1988)
- Mollinga, Peter P. 2020: *Of binaries, boundaries and benevolence: Critical interdisciplinarity in natural resources management*. In: *Borders in Perspective - UniGR-CBS thematic issue. B/ordering the Anthropocene: Inter- and Transdisciplinary Perspectives on Nature-Culture Relations. Vol. 4 (forthcoming; available from the author)*
- Osborne, T. (2017). Public Political Ecology: a community of praxis for earth stewardship. *Journal of Political Ecology*, 24(1), 843-860.
- Pulido, L. 2008. FAQs. Frequently (un)asked questions about being a scholar activist. In: Hale, C. R. (ed.) *Engaging contradictions: Theory, politics, and methods of activist scholarship*. University of California Press, pp.341-365
- Smith, L. T. (1999). *Decolonising methodologies: Research and Indigenous Peoples*. London: Zed Books.

Wittmayer, J.M., Schöpke, N. (2014) 'Action, research and participation: roles of researchers in sustainability transitions', *Sustainability Science*, Vol. 9, No. 4, pp.483 – 496.

17. Climate Change and Energy Transition

Leandro Vergara Camus

Climate change has been gradually changing the way we have been thinking about development and organising our economies and societies. There is a consensus that in order to tackle it, we must begin to move away from fossil fuels (oil, gas and coal) and roll out alternative (renewable) sources of energy. A new global industrial complex has quickly emerged to cease this market opportunity. Transitioning to hydro-electricity, solar, wind or agrofuels is presented by some as a potential solution to the development and energy challenges of developing countries. Paradoxically, while there seems to be a consensus on climate change, we are also witnessing a revival (and rebranding) of fossil fuels and extractive industries. Climate change mitigation regime, the rise of renewable energy and the rebirth of fossil fuels and mining are having important consequences on nature, the access to land and the livelihoods of local populations and the development paths of different countries. This week will provide an overview of the discourses, policies, and mechanisms that have been put in place to embark on the energy transition at the national and international levels, and critically analyse the power relations at play.

Core readings

Alvater, Elmar and Birgit Mahnkopf (2019), "Capitalocene: Permanent Capitalist Counter-Revolution", in Panitch, Leo and Greg Albo, eds., *Socialist Register 2019. A World Turned Upside Down*, London, Merlin Press, pp. 79-99. Available via moodle.

Power, Marcus, Newell, Peter, Baker, Lucy, Bulkeley, Harriet, Kirshner, Joshua and Adrian Smith, (2016) "The political economy of energy transitions in Mozambique and South Africa: The role of the Rising Powers", *Energy Research & Social Science*, 17:10–19.

Additional Readings

Levy, David L. and Daniel Egan (2003), "A Neo-Gramscian Approach to Corporate Political Strategy: Conflict and Accommodation in the Climate Change Negotiations", *Journal of Management Studies*, 40(4): 803-829.

Scholten, Daniel and Rick Bosman, (2016), "The Geopolitics of Renewables; Exploring the Political Implications of Renewable Energy Systems", *Technological Forecasting & Social Change*, 103: 273–283.

Malm, Andreas (2016), *Fossil Capitalism. The Rise of Steam Power and the Roots of Global Warming*, London, Verso.

Huber, Matthew T. (2008) "Energizing Historical Materialism: Fossil Fuels, Space and the Capitalist Mode of Production", *Geoforum*, 40: 105–115.

Ferguson, James (2005), "Seeing Like an Oil Company: Space, Security, and Global Capital in Neoliberal Africa", *American Anthropologist*, 107(3): 377–382.

Fairhead, James, Leach, Melissa and Ian Scoones (2012), "Green Grabbing: a New Appropriation of Nature?", *The Journal of Peasant Studies*, 39:2, 237-261.

McCauley, Darren and Raphael Heffron (2018), "Just transition: Integrating climate, energy and environmental justice", *Energy Policy*, 119 :1-7.

Routledge, Paul, Cumbers, Andrew and Kate Driscoll Derickson (2018), "States of just transition: Realising Climate Justice Through and Against the State", *Geoforum*, 88: 78-86.

Borras, Saturnino M., McMichael, Philip and Ian Scoones (2010), "The Politics of Biofuels, Land and Agrarian Change: Editors' Introduction", *The Journal of Peasant Studies*, 37(4): 575-592.

- Dauvergne, P. and K. Neville (2010), "Forest, Food, and Fuel in the Tropics: the Uneven Social and Ecological Consequences of the Emerging Political Economy of Biofuels", *The Journal of Peasant Studies*, 37(4): 631-660.
- Horbach, Jens, Chen, Qian, Rennings, Klaus and Stefan Vögele (2014), "Do Lead Markets for Clean Coal Technology Follow Market Demand? A Case Study for China, Germany, Japan and the US", *Environmental Innovation and Societal Transitions*, 10: 42-58.
- Haddagian, Ghazale and Shahidehpour, Mohammed (2015), "Ripple Effects of the Shale Gas Boom in the U.S.: Shift in the Balance of Energy Resources, Technology Deployment, Climate Policies, Energy Markets, Geopolitics and Policy Development", *The Electricity Journal*, 28(2): 17-38.
- Yenneti, Komali, Day, Rosie and Oleg Golubchikov (2016), "Spatial Justice and the Land Politics of Renewables: Dispossessing Vulnerable Communities through Solar Energy Mega-projects", *Geoforum*, 76: 90–99.
- Souza, Luiz Enrique Vieira de, Bosco, Estevão Mota Gomes Ribas Lima, Cavalcante, Alina Gilmanova and Leila da Costa Ferreira (2018), "Postcolonial theories meet energy studies: "Institutional orientalism" as a barrier for renewable electricity trade in the Mediterranean region", *Energy Research & Social Science*, 40: 91–100.
- Altamirano-Jiménez, Isabel (2017) "The sea is our bread": Interrupting green neoliberalism in Mexico", *Marine Policy*, 80: 28-34.

18. Mining, Livelihoods and Indigenous Peoples

Leandro Vergara Camus

This week will explore the impact of the mining industry on the environment and the livelihood of local communities, with particular attention to the territories inhabited by Indigenous Peoples. It will examine the drivers and the main actors being the current re-emergence of mining and other extractive industries. The lecture will also examine the different reactions to mining and the forms of resistance from local communities, regions, and coalitions of movements, as well as the mechanisms and strategies adopted by mining companies and states to confront these challenges.

Core Readings

- Bebbington, Anthony and Denise Humphreys Bebbington (2011), "An Andean Avatar: Post-Neoliberal and Neoliberal Strategies for Securing the Unobtainable", *New Political Economy*, 16(1): 131-145.
- Temper, Leah and Martinez-Alier, Joan (2013), "The god of the Mountain and Godavarman: Net Present Value, Indigenous Territorial Rights and Sacredness in a Bauxite Mining Conflict in India", *Ecological Economics*, 96:79–87.

Further Readings

- Acuña, Roger Merino (2015), "The Politics of Extractive governance: Indigenous peoples and socio-environmental conflicts", *The Extractive Industries and Society*, 2(2): 85–92.
- Ayelazuno, Jasper Abembia (2014), The New Extractivism in Ghana: A Critical Review of its Development Prospects, *The Extractive Industries and Society*, 1(2): 292–302.
- Bebbington, Anthony, Bebbington, Denise Humphreys, Bury, Jeffrey, Langan, Jeannet, and Juan Pablo Muñoz (2008), "Mining and Social Movements: Struggles Over Livelihood and Rural Territorial Development in the Andes", *World Development*, 36: 12: 2888–2905.
- Cezne, Eric (2019), "Forging transnational ties from below: Challenging the Brazilian mining giant Vale S.A. across the South Atlantic", *The Extractive Industries and Society*, 6(4): 1174-1183.
- Conde, Marta (2017), "Resistance to Mining. A Review", *Ecological Economics*, 132: 80–90.

- Esteves, A.M., (2008), "Evaluating Community Investments in the Mining Sector Using Multi-criteria Decision Analysis to Integrate SIA with Business Planning", *Environmental Impact Assessment Review*, 28: 338–348.
- Geenen, Sara (2014), "Dispossession, Displacement and Resistance: Artisanal Miners in a Gold Concession in South-Kivu, Democratic Republic of Congo", *Resources Policy*, 4090–99.
- Hale, Charles R., and Rosamel Millaman. 2005. "Cultural Agency and Political Struggle in the Era of Indio Permitido." In *Cultural Agency in the Americas*, edited by Doris Sommer, 281–304. Durham: Duke University Press. Accessible as an e-book through SOAS Library.
- Kirsch, Stuart (2014), *Mining Capitalism. The Relationship between Corporations and Their Critics*, Berkeley, University of California Press.
- Leire Urkidi (2010), "A Glocal Environmental Movement Against Gold Mining: Pascua–Lama in Chile", *Ecological Economics*, 70: 219–227.
- McDonnell, Emma (2015), "The Co-constitution of Neoliberalism, Extractive Industries, and Indigeneity: Anti-mining Protests in Puno, Peru", *The Extractive Industries and Society*, 2(2): 112–123.
- Pijpers, Robert (2014), "Crops and Carats: Exploring the Interconnectedness of Mining and Agriculture in Sub-Saharan Africa", *Futures*, 62: 32–39.
- Porto-Goncalves, Carlos Walter and Enrique Leff (2015), "Political Ecology in Latin America: The Social Re-appropriation of Nature, the Reinvention of Territories and the Construction of an Environmental Rationality", *Desenvolvimento e Meio Ambiente*, 35: 65-88. Available: <http://revistas.ufpr.br/made/article/view/43543/27087>
- Rajak, Dinah (2011), *In good company: an anatomy of corporate social responsibility*, Stanford Stanford University Press.
- Walter, Mariana and Leire Urkidi (2017), "Community mining consultations in Latin America (2002–2012): The contested emergence of a hybrid institution for participation", *Geoforum*, 84: 265–279.
- Zhour, André (2010), "'Adverse Forces' in the Brazilian Amazon: Developmentalism vs Environmentalism and Indigenous Rights", *The Journal of Environment and Development*, 19(3) 252–273.

19. Environmental Social Movements

Tim Pringle

In this session we will discuss environmental movements from various perspectives beginning with an historical snapshot of the journey of 'environmentalism' from single issue preoccupations to generalised critiques of capitalist social relations that distinguish between the environmentalism of the rich and the poor and the implications of such a distinction. Namely, radically different agendas both in forms of cooperation and resistance. In the seminar, we will compare grassroots movements in the Global South with those of environmental campaigners in the Global North and consider the relationships between poverty, community, the environment and sustainable development. Finally, we will examine Tramel's model of 'convergence as political strategy' environmental/climate change movements and agrarian movements.

Core Readings

- Salena Tramel (2018) Convergence as political strategy: social justice movements, natural resources and climate change, *Third World Quarterly*, 39:7, 1290-1307
- Peet, R. and Watts, M. (2004) *Liberating Political Ecology*. In: *Liberation Ecologies: Environment, development, social movements*. London: Routledge.

Additional Readings

- Almudi, T. & Berkes, F. (2010). Barriers to empowerment: fighting eviction for conservation in a southern Brazilian protected area. *Local Environment*. 15 (3), 217–232.
- Alves, A. R. P. (2011) 'A tribute to José Márcio Ayres', in Miguel Pinedo-Vasquez et al. (eds.) *The Amazon Várzea: the decade past and the decade ahead*. Springer. pp. 299–301.
- Bebbington, Anthony et al., 2008, "Mining and Social Movements: Struggles over livelihoods and rural territorial development in the Andes." *World Development*, 26/12. Pp 2888-2905.
- Brockington, D. (2006) 'The politics and ethnography of environmentalisms in Tanzania', *African Affairs* 105 (418): 97-116
- Castro, F. de (2012) 'Multi-Scale Environmental Citizenship: Traditional Populations and Protected Areas in Brazil', in Alex Latta & Hannah Wittman (eds.) *Environment and citizenship in Latin America: natures, subjects and struggles*. CEDLA Latin American Studies. pp. 39–58.
- di Chiro, Giovanna, 2007 "Indigenous Peoples and Biocolonialism: Defining the "Science of Environmental Justice" in the Century of the Gene." In Ronald Sandler and Phaedra Pezzullo eds., *Environmental Justice and Environmentalism: The Social Justice Challenge to the Environmental Movement*. Cambridge: MIT Press, 2007.
- Doyle, T. 2005. *Environmental Movements in Majority and Minority Worlds*, London: Rudgors University Press
- Escobar, A. 2008. *Territories of Difference: Place, movements, life, redes (New ecologies for the twenty-first century)*. Durham and London: Duke University Press.
- Escobar, A. 2012. *Encountering Development: The making and unmaking of the Third World*. Princeton and Oxford: Princeton University Press (Chapter 5)
- Escobar_A, Rocheleau_D, Kothari_S. 2000. 'Environmental social movements and the politics of place'. *Development*, Mar 2002, Vol.45, No.1, pp.28-36
- Forsyth, T. 2003. *Critical Political Ecology* [chapter 6 on social movements]
- Forsyth, T., 2001, "Environmental Social Movements in Thailand: How Important is Class?" *Asian Journal of Social Sciences* 29: 1 35-51. Available here:
<http://personal.lse.ac.uk/FORSYTH/How%20important%20class.pdf>
- Ghai, D. and J.M. Vivian, (eds.) 1992. *Grassroots environmental action: people's participation in sustainable development*. New York: Routledge.
- Greenough, P. and A. Tsing (eds.) 2003, *Nature in the Global South*, London: Duke University Press [chapters by Nancy Peluso and Amita Baviskar]
- Guha, R. and Martinez-Alier, J. (1997) *The Environmentalism of the Poor*. In: *Varieties of Environmentalism*. London: Earthscan.
- Hecht, S. & Cockburn, A. (2010) *The fate of the forest*. 2nd edition. Chicago: The University of Chicago Press.
- Holden, William, 2014 "The New People's Army and Neoliberal Mining in the Philippines: A Struggle Against Primitive Accumulation." *Capitalism, Nature and Socialism*, vol. 25 no. 3 pp 61-83. 2014.
- Huan, Qingzhi, 2014, "Development of the Red-Green Environmental Movement in China: A Preliminary Analysis." *Capitalism, Nature and Socialism*, vol. 25 no. 3 pp 45-60.
- Latta, A. & Wittman, H. (eds.) (2012) *Environment and citizenship in Latin America: Nature, subjects and struggles*. 1st edition. New York and Oxford: CEDLA Latin American Studies.
- Malm, A. (2019) *Against Hybridism: Why We Need to Distinguish between Nature and Society, Now More Than Ever*. *Historical Materialism*, 27(2): 156–187.
- Martinez-Alier, J. 2003. *The environmentalism of the poor: A study of ecological conflicts and valuation*, Cheltenham: Edward Elgar [SOAS library [A333.7 /933482](https://www.unrisd.org/unrisd/website/document.nsf/8b18431d756b708580256b6400399775/5eb03ffbdd19ea90c1257664004831bd/$file/martinezalier.pdf); [A333.7 /963774](https://www.unrisd.org/unrisd/website/document.nsf/8b18431d756b708580256b6400399775/5eb03ffbdd19ea90c1257664004831bd/$file/martinezalier.pdf)] [Report version downloadable from:
[http://www.unrisd.org/unrisd/website/document.nsf/8b18431d756b708580256b6400399775/5eb03ffbdd19ea90c1257664004831bd/\\$file/martinezalier.pdf](http://www.unrisd.org/unrisd/website/document.nsf/8b18431d756b708580256b6400399775/5eb03ffbdd19ea90c1257664004831bd/$file/martinezalier.pdf)]
- Martinez-Alier, J. Et al. (2016) 'Origens and Perspectives of Latin American Environmentalism', in Fábio de Castro et al. (eds.) *Environmental governance in Latin America*. Hampshire: Palgrave Macmillan. pp. 29–57.

- Milani, Carlos, 2009 "Political Ecology, Environmental Movements and Transnational Contention in Latin America." *Revista de Gestão Social e Ambiental*, Maio – Ago. 2009, V.3, No.2, p. 141-159 <http://www.revistargsa.org/rgsa/article/view/154> Rob Nixon, 2013, *Slow Violence and the Environmentalism of the Poor*. Cambridge: Harvard University Press.
- Obi, Cyril, 2005, *Environmental Movements in Sub-Saharan Africa: A Political Ecology of Power and Conflict*. Civil Society and Social Movements Programme, Paper no. 15. UNRISD (Search for "Obi UNRISD")
- Padel, Felix and Samarendra Das, 2013, "Can Adivasis Stop the Race to the Bottom? Movements against Mining-Based Over-industrialisation in India's Tribal Heartland." *SOGIP Paper*, 2013. Download from Das's academic.edu page.
- Peterson, M. 2001, *Understanding Global Environmental Politics*, London; Macmillan [Introduction and Chapter 7]
- Schlosberg, David. (2007) *Defining Environmental Justice Theories, Movements, and Nature*. Oxford: Oxford University Press.
- Schurman, Rachel, 2004, "Fighting 'Frankenfoods': Industry Opportunity Structures and the Efficacy of the Anti-Biotech movement in Western Europe." *Social Problems*, Vol. 51, No. 2, pages 243–268.
- Sinha, S. et al, 1997. 'The new traditionalist discourse of Indian environmentalism'. *Journal of Peasant Studies*, vol 24 no. 3 1997. Pp 65-99.
- Sinha, Subir 2012, "Transnationality and the Indian Fishworkers' Movement, 1960-2000." *Journal of Agrarian Change*, vol. 12 nos 2-3, Pp 364-389.
- Sinha, Subir, 2012, "The Long March from the Margins: Subaltern Politics, Justice and Nature in Postcolonial India." In E. Balibar, S. Mezzadra and R. Samaddar eds. *The Borders of Justice*. Philadelphia: Temple University Press.
- Webber, Jeffrey (2012), "Popular Movements, Political Economy and the State in Bolivia: An Interview with Oscar Olivera and Freddy Villagomez." *Capitalism, Nature and Socialism* 23/3, pp 6-19.

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<http://viacampesina.org/en/> <http://english.jatam.org>

20. Conclusions – practising political ecology in real utopias

Andrew Newsham

This session focuses on what we have learned about political ecology as an approach, and how it helps us to assess the environmental and social justice credentials (or lack therein) of dominant global development trajectories. It will also revisit work on bringing about change in weeks 15 and 16 in particular. Whilst these approaches perhaps more frequently align with alternative visions of environmentally sustainable, socially just forms of change, they can also be used to interrogate them. By way of concluding the module, we will 'do' some political ecology by applying it to alternatives to sustainable development identified in the core readings.

Core readings

Kothari et al. (2015) [Buen Vivir, Degrowth and Ecological Swaraj: Alternatives to sustainable development and the Green Economy](#). *Development* 57 (3–4), pp. 362–375.

Demaria, F., Kallis, G. and Bakker, K. (2019) 'Geographies of degrowth: Nowtopias, resurgences and the decolonization of imaginaries and places', *Environment and Planning E: Nature and Space*.

Additional readings

Adams, W. M. (2009) *Green Development: environment and sustainability in a developing world*. 3rd edition. London and New York: Routledge (Chapters 7, and 13).

- Demaria F, Schneider F, Sekulova F, Martinez-Alier J (2013) What is degrowth? From an activist slogan to a social movement. *Environ Values* 22:191–215
- Escobar, A. (2012) *Encountering Development: The making and unmaking of the Third World*. Princeton and Oxford: Princeton University Press (Chapter 6).
- Gómez-Baggethun, Erik and José Manuel Naredo (2015) 'In Search of Lost time: The rise and fall of limits to growth in international sustainability policy', *Sustainability Science* 10(3): 385–395.
- Gudynas, Eduardo (2011) 'Buen Vivir: Today's tomorrow', *Development* 54(4): 441–447.
- Harvey, David (2014) *Seventeen Contradictions and the End of Capitalism*. Oxford: Oxford University Press.
- Hornborg, Alf (2009) 'Zero-Sum World', *International Journal of Comparative Sociology* 50(3–4): 237–262.
- Kallis, G. (2011) 'In defence of degrowth' *Ecological Economics* 70: 873–880. PDF at <http://degrowth.org/wp-content/uploads/2011/08/In-defense-of-degrowth.pdf>
- Kothari, Ashish (2013) 'Missed Opportunity? Comments on two global reports for the post-2015 goals process', Kalpavriksh and ICCA Consortium, http://www.unngls.org/IMG/pdf/Kalpavriksh_and_ICCA_Consortium_-_Post-2015_reports_critique__Ashish_Kothari_July_2013.pdf.
- Kothari, Ashish (2014) 'Radical Ecological Democracy: A way for India and beyond', *Development* 57(1): 36–45.
- Metz, Thaddeus (2011) 'Ubuntu as a moral theory and human rights in South Africa', *African Human Rights Law Journal* 11(2): 532–559.
- New Economics Foundation (NEF) (2008) A Green New Deal: <http://www.neweconomics.org/publications/entry/a-green-new-deal>.
- Latouche, Serge (2009) *Farewell to Growth*. Cambridge: Polity.
- Salón, Pablo (2014) *Vivir Bien: Notes for the Debate, Attac France, Focus on the Global South, and Fundacion Solon*. Access: www.systemicalternatives.org
- Swyngedouw, Erik (2007) 'Impossible/Undesirable Sustainability and the Post-Political Condition', in Rob Krueger and David Gibbs (eds.) *The Sustainable Development Paradox*. New York: Guilford Press, pp. 13–40.
- Van Den Bergh, J.C.M. and Kallis, G. (2013). [Growth, agrowth or degrowth to stay within planetary boundaries](#). *Journal of Economic Issues*. XLVI (4): 909-91

Essay Questions

1. Sustainable development and its offspring, green economy, it could be argued, are terms that have been so thoroughly co-opted that they serve only to legitimise a political and economic order that is as environmentally destructive as it is socially unjust. As such they should be abandoned altogether. Critically discuss this proposition, making clear the extent to which you agree or disagree, and why. (Andrew Newsham)
2. What is political ecology and in what ways can it usefully inform debates on environment and development? (Andrew Newsham)
3. With reference to the works of David Bloor, Bruno Latour and relevant political ecologists, critically discuss the proposition that Socio-nature is an idea with more intuitive appeal than philosophical coherence, and as such a question-begging framework for political ecologists to draw on. (Andrew Newsham)
4. Which political economy approach to the relationship between capitalism and nature provides a more useful understanding of current environmental challenges? Make sure you define what you understand by useful. (Leandro Vergara-Camus)
5. Struggles over resources are simultaneously struggles over meaning. Discuss using examples. (Peter Mollinga)
6. In what ways has globalisation shaped conflicts over resources in today's mega-cities? (Peter Mollinga)
7. The current emphasis on rights-based approaches and globalisation in (critiques of) environmental policy tends to make these policies (and their critiques) gender blind. Discuss with reference to both academic literature and policy documents. (Peter Mollinga)
8. Resource abundance does not determine developmental outcomes in less developed countries. Discuss. (Jonathan Di John)
9. To what extent and how can ethical consumerism challenge processes of socio-ecological depletion of the global garment industry? (Alessandra Mezzadri)
10. "[T]here is no such thing as an unsustainable city in general, but rather there are a series of urban and environmental processes that negatively affect some social groups while benefiting others" (Heynen et al.: 9). Critically discuss for a city of your choice. (Peter Mollinga)
11. To what extent can we resolve the problems of climate change in ways which do not address social justice? (Andrew Newsham)
12. Can the environment be 'saved' via market based approaches? Discuss with reference to the debate on neoliberalisation of nature. (Andrew Newsham)
13. To what extent are radical alternatives to mainstream 'sustainable' development approaches viable? (Andrew Newsham)

14. Is there a link between climate change and violent conflict? Justify your answer using a case-study (Andrew Newsham)
15. In what ways does the 'environmentalism of the poor' differ from the environmentalism of the rich? What are the implications for environmental social movements? (Tim Pringle)
16. What is the most effective way to reconcile environmental conservation and local development in biologically diverse regions? Use examples to illustrate your argument. (Andrew Newsham)
17. To what extent does predominant thinking on environmental governance address the underlying drivers of global environmental problems? (Andrew Newsham)
18. In what contradictory ways are Indigenous Peoples at the same time advantaged and disadvantaged when facing mining operations on their territories? What accounts for the success or failure of their mobilisation? (Leandro Vergara-Camus)
19. To what extent are biofuels a sustainable alternative to producing clean energy and improving the livelihood of small-scale producers? Answer by looking at a specific case study. (Leandro VergaraCamus)