



Specialized Intensive Course Advances in Political Ecology Theory Manchester (UK), 18-22 February 2013

Syllabus

Course Description:

The course Advances in Political Ecology and Theory was designed to support the core aim of ENTITLE: to train researchers in the emerging supra-disciplinary field of Political Ecology, giving them the theoretical, analytical and complementary skills that will make them employable in jobs related to environmental policy analysis and advocacy. The course was structured as an intensive teaching week and combined presentations, discussions and activities over the course of five days.

The activities were organized by the University of Manchester.

Program:

	Monday 18 February	Tuesday 19 February	Wednesday 20 February	Thursday 21 February	Friday 22 February
9 am – 10.30 am	SESSION 1 Giorgos Kallis/Giacomo D'Alisa: Introduction to the ENTITLE Programme Intro to the week: The Manchester Team CHAIR: MARIA KAIKA	SESSION 5 John O'Neill (University of Manchester) Environmental Ethics and Conflict CHAIR: GAVIN BRIDGE	SESSION 9 Noel Castree (University of Manchester) Theorising Nature-Society-Capitalism CHAIR: ERIK SWYNGEDOUW	SESSION 13 Reading and small group discussion session: seminar texts in Political Ecology 9 am – 9.45 am 9.45 – 10.30 am CHAIR: ERIK SWYNGEDOUW	SESSION 17 Stephania Barca (University of Coimbra) Theories and Approaches in Environmental History CHAIR: GAVIN BRIDGE

	Monday 18 February	Tuesday 19 February	Wednesday 20 February	Thursday 21 February	Friday 22 February
11.00 am - 12.30 pm	SESSION 2 Gavin Bridge (University of Manchester) Political Ecologies of Extractive Resources CHAIR: MARIA KAIKA	SESSION 6 Alex Loftus (King's College, London) Everyday Environmentalism CHAIR: ERIK SWYNGEDOUW	SESSION 10 Erik Swyngedouw (University of Manchester) Political Ecology and the Contested Politics of Urban Metabolism CHAIR: GAVIN BRIDGE	SESSION 14 Stefan Bouzarovski (University of Manchester) Energy Transitions and Vulnerability: Emergent conceptual frameworks CHAIR: MARIA KAIKA	SESSION 18 Phil Woodhouse (University of Manchester) Understanding struggles over land CHAIR: ERIK SWYNGEDOUW
2.00 pm – 3.30 pm	SESSION 3 Fellow presentations 10 minutes Initial Poster Presentation + Q&A In Arthur Lewis Building - Common Room (ground floor) CHAIR: ERIK SWYNGEDOUW	SESSION 7 Post-Doc Fellows Presentations 20 minutes + Q&A CHAIR: MARIA KAIKA	SESSION 11 Maria Kaika (University of Manchester) Urban Political Ecology and Radical Imaginaries CHAIR: ERIK SWYNGEDOUW	SESSION 15 Giacomo D'Alisa/ Giorgos Kallis (UAB) Q & A for Fellows with the Co-ordinators: issues, problems, administration, etc... CHAIR: GAVIN BRIDGE	SESSION 19 Fellow Presentations – Theorising Environmental Conflict (Revised Poster Presentations) In Arthur Lewis Building - Common Room (ground floor) CHAIR: MARIA KAIKA

	Monday 18 February	Tuesday 19 February	Wednesday 20 February	Thursday 21 February	Friday 22 February
4.00 pm – 5.30 pm	SESSION 4 Fellow Presentations 10 minutes Initial Poster Presentation + Q&A CHAIR: GAVIN BRIDGE In Arthur Lewis Building - Common Room (ground floor) CHAIR: ERIK SWYNGEDOUW	SESSION 8 'Movementist' workshop with Bertie Russell, Ben Lear and Raph Schlembach Climate Justice in the UK CHAIR: GAVIN BRIDGE	SESSION 12 RADICAL MANCHESTER TOUR Radical Manchester Tour Tour guide: Jonathan Schofield Meeting place: Outside the National Football Museum, Cathedral Gardens The tour will run for 90 minutes	SESSION 16 Climate Justice Activism in Manchester Manchester Climate Monthly (Marc Hudson and ArwaAburawa) CHAIR: ERIK SWYNGEDOUW	SESSION 20 Fellow Presentations – Theorising Environmental Conflict (Revised Poster Presentations) In Arthur Lewis Building - Common Room (ground floor) CHAIR: GAVIN BRIDGE
8 pm – 10.30 pm			8 pm – 10.30 pm FILM: “We Feed the World” University Place 2.219 (TBC)		

Biographical Sketches of Instructors:

STEFANIA BARCA is senior researcher at the Centro de Estudos Sociais, Universidade de Coimbra (Center for Social Studies of the University of Coimbra) where she coordinates the research group on social policies, labour and inequalities. She obtained her PhD in Economic History from the University of Bari (Italy) in 1997. She has worked in several Italian Universities, where she has taught Economic and Environmental History. In 2005-06 she was visiting scholar at the Program in Agrarian Studies of Yale University, and from 2006 to 2008 she was a 'Ciriacy Wantrup' postdoctoral fellow at UC Berkeley. She has published a number of articles in Italian and international History journals, and three books. Her last publication, *Enclosing Water. Nature and Political Economy in a Mediterranean Valley* (Cambridge, UK: White Horse Press 2010), has been awarded the Turku Prize for best book in European environmental history. Her current research project deals with industrial hazards and the relationships between labor and the environment in a transnational perspective. She also serves as the vice-president of the European Society for Environmental History (ESEH).

STEFAN BOUZAROVSKI (Buzar) is Professor of Geography at the University of Manchester. He was previously a professor of Human Geography at the University of Birmingham, UK. He is also a Visiting Professor for the Geography Section of the Faculty of Science at Charles University, Prague (Czech Republic) as well as the Department of Economic Geography at the University of Gdansk (Poland). He is the author of *Energy Poverty in Eastern Europe: Hidden Geographies of Deprivation* (Ashgate, 2007), having published research articles on issues of trans-national energy flows, social inequality and urban transformation in post-socialism in a number of international peer-reviewed journals. He holds doctoral and masters degrees (with distinction) in, respectively, economic geography and environmental management from the University of Oxford, UK. Stefan has held various academic and non-governmental appointments, including a Junior Research Fellowship at Christ Church College, Oxford, a Post Doctoral Research Fellowship at Queen Mary, University of London and a Larkinson Scholarship at St. Hugh's College, Oxford, UK. He has also led various international research projects and organisations.

GAVIN BRIDGE is an economic geographer with research expertise in the political economy of natural resources. He holds a PhD from the Graduate School of Geography at Clark University, Massachusetts (1996). His research centres on the spatial and temporal dynamics of extractive industries - oil, gas and mining - and has been funded by the US National Science Foundation, the National Geographic Society, the European Commission, the British Academy, and the UK Energy Research Centre. Recent projects include research on land-use changes associated with mining exploration and investment in the Americas, organisational and geographical restructuring in the international oil sector, and collaborative research to understand the implications for UK energy security of an evolving 'global' market for natural gas. Before joining the School of Environment and Development at the University of Manchester in 2005, he was Associate Professor of Geography at Syracuse University, New York, and held a Ciriacy-Wantrup Natural Resources Fellowship at the University of California-Berkeley. He is the Editor of *Transactions of the Institute of British Geographers*, and was Editor of *Geoforum* from 2009 to 2012. He is co-founder and Chair of the Energy Geographies Working Group of the Royal Geographical Society-Institute of British Geographers, and a member of the Editorial Boards of *Political Geography*, *Geoforum* and *Mineral Economics*.

NOEL CASTREE is a Manchester born, British geographer and associate professor in the School of Environment and Development at the University of Manchester whose research interests are in the political economy of environmental change. He received his BA from the University of Oxford (1989), and an MA and PhD from the University of British Columbia (1995), in Vancouver, Canada. Upon completion of his PhD, he worked as a lecturer at the University of Liverpool for five years until returning home to Manchester. He reached the rank of Professor in 2004, and received the Gill Memorial Award from the Royal Geographic Society in 2005. He is the author of numerous widely cited articles, monographs, and edited books, including *Nature* (2005), and *Social Nature: theory, practice and politics* (2001) and *Remaking Reality: Nature at the millennium* (1998), both co-edited with Bruce Braun.

MARIA KAIKA holds a PhD from the University of Oxford, and an MA in Architecture from the National Technical University of Athens. She is Professor at the University of Manchester, and currently holds an honorary position as Professor of the City of Vienna (2012-13). She has held numerous previous posts at the University of Oxford, University of Leuven (2008), Queen Mary University of London (2007), and at the European University in Urbino (2006). Maria is the editor of the *International Journal of Urban and Regional*

Research, and is the author of numerous articles in top international journals. Her research focuses on urban political ecology, land rent, land financialization, urban environmental imaginaries, European Environmental policy, and iconic architecture. She, is also author of the book: *City of Flows: modernity, nature and the city* and co-editor (with N Heynen and E Swyngedouw) of *In the nature of Cities: urban political ecology and the metabolism of urban environments*

GIORGOS KALLIS received his MSc from the Department of Civil Engineering at the Imperial College, London in 1994. He did his PhD at the Department of Environmental Studies at the University of the Aegean, Mytilini, Greece. He worked as a project manager and researcher at the Environmental Planning Laboratory at the University of the Aegean, Athens, Greece. Giorgos was affiliated with the University of California at Berkeley as a Marie Curie post-doc fellow in the Energy and Resources Group until 2007. Currently, he is working as ICREA researcher and Adjunct Professor at the Institute of Environmental Science and Technology at the Universidad Aut3noma de Barcelona.

ALEX LOFTUS gained his undergraduate degree from the University of Edinburgh (1998) and his Master's from Queen's University in Canada (2001). Whilst at Queen's he carried out fieldwork in Buenos Aires, reinforcing a conviction that the Washington Consensus is a deeply perilous venture and confirming the ways in which critical academic work could contribute to understandings of the possibility for alternative futures. His doctoral research at the University of Oxford focused on the politics of water provision in Durban, South Africa and continued to build on such convictions in what is, perhaps, an even more contradictory city. After finishing the DPhil (2005) he was awarded an RCUK academic fellowship at Royal Holloway, University of London, becoming a lecturer there in 2010, then moving to King's College London in 2012.

JOHN O'NEILL is Professor of Political Economy at the University of Manchester and currently the director of the Political Economy Institute. Before coming to Manchester, he was professor of philosophy at Lancaster University and has also held posts at the University of Sussex and the University of Wales. He is a member of the Society and Environment Research Group and the Centre for Democracy and Elections. He is on the editorial boards of a number of journals including *New Political Economy*, *The Journal of Applied Philosophy*, and *Historical Materialism*. He has been involved in a number of European projects on environmental policy.

ERIK SWYNGEDOUW is Professor of Geography in the School of Environment and Development at Manchester University. He was professor of Geography at Oxford University and Fellow of St. Peter's College until 2006. His research interests include political-ecology, urban governance, democracy and political power, water and water resources, the political-economy of capitalist societies, and the politics of globalisation. He has published over 100 papers on these themes. Recent books include *Urbanising Globalisation* (co-edited, OUP 2003), *Social Power and the Urbanization of Water - Flows of Power* (OUP 2004) and *In the Nature of Cities* (co-edited, Routledge, 2006). A monograph on *Nature, Modernity and Spain, 1898-2010* is forthcoming with MIT Press.

PHIL WOODHOUSE is a Professor in the School of Environment and Development at the University of Manchester. After training as an agricultural scientist at Oxford (BA) and Reading (PhD), Philip Woodhouse worked in Mozambique for eight years for the National Agronomy Research Institute and the Food and Agriculture Organisation of the United Nations. Since returning to the UK he has been based first at the Open University and subsequently at Manchester. He has undertaken research in a number of countries in Francophone West Africa, southern Africa, and East Africa. He has also collaborated on research in Brazil. Philip Woodhouse was Head of the Institute for Development Policy and Management from 2003 to 2006, and in 2007-8 he served as a member of the Development Studies sub-panel of the RAE 2008 (Research Assessment Exercise) for the Higher Education Funding Council for England (HEFCE).

ENTITLE Bibliography, prepared in advance of the course:

- Agarwal B, 1994 A Field of One's Own: Gender and Land Rights in South Asia (Cambridge University Press, Cambridge)
- Altvalter E, 1993 The future of the market : an essay on the regulation of money and nature after the collapse of 'actually existing socialism' (Verso, London)
- Atkinson A, 1991 Principles of political ecology (Belhaven, London)
- Bakker K, 2010, "The limits of 'neoliberal natures': Debating green neoliberalism" Progress in Human Geography 34 715-735
- Bakker K, Bridge G, 2006, "Material worlds? Resource geographies and the `matter of nature'" Progress in Human Geography 30 5-27
- Bebbington A, 2012 Social conflict, economic development and the extractive industry : evidence from South America (Routledge, London; New York)
- Bell D, Keil R, Fawcett L, Penz P, 1998 Political Ecology: Local and Global (Routledge, New York)
- Bell M, Roberts N, 1991, "The political ecology of dambo soil and water resources in Zimbabwe" Transactions Of the Institute Of British Geographers 16 301-318
- Bennett J, 2010 Vibrant Matter: A Political Ecology of Things (Duke University Press, Durham, NC)
- Benton T, 1989, "Marxism and Natural Limits: An Ecological Critique and Reconstruction" New Left Review 178 51-81
- Blowers A, 1997, "Environmental Policy: Ecological Modernisation or the Risk Society?" Urban Studies 34 845-871
- Bookchin M, 1980 Toward an ecological society (Black Rose Books, Montreal)
- Bouzarovski S, 2009, "East-Central Europe's changing energy landscapes: a place for geography" Area 41 452-463
- Braun B, 2005, "Environmental issues: writing a more-than-human urban geography" Progress in Human Geography 29 635-650
- Braun B, 2006, "Environmental issues: global natures in the space of assemblages" Progress in Human Geography 30 644-654
- Braun B, Castree N, 1998 Remaking Reality: Nature at the Millennium (Routledge, New York)
- Bridge G, Le Billon P, 2013 Oil (Polity, Cambridge)
- Bryant R L, 1998, "Power, Knowledge and Political Ecology in the Third World: A Review" Progress in Physical Geography 22 79-94
- Bryant R L, 2001, "Political Ecology: A Critical Agenda for Change?" in Social Nature: Theory, Practice and Politics Eds N Castree, B Braun (Blackwell, Oxford)
- Bulkeley H, 2005, "Reconfiguring environmental governance: Towards a politics of scales and networks" Political Geography 24 875-902
- Burgess R, 1978, "The concept of Nature in Geography and Marxism" Antipode 10 1-11
- Caprotti F, Kaika M, 2008, "City and Nature: ideology and representation in fascist New Towns" Social and Cultural Geography 9 613-634
- Carney J A, 2001 Black rice : the African origins of rice cultivation in the Americas (Harvard University Press, Cambridge, Mass. ; London)
- Castree N, 1995, "The nature of produced nature: materiality and knowledge construction in marxism" Antipode 27 12-48

- Castree N, 2005 Nature (Routledge, London)
- Company, New York)
- Cronon W, 1996, "Uncommon Ground: Rethinking the Human Place in Nature", Ed W Cronon (W.W. Norton and Company, New York)
- Cronon W, 1996, "The Trouble with Wilderness; or, Getting Back to the Wrong Nature", in Uncommon Ground: Rethinking the Human Place in Nature Ed W Cronon (W.W. Norton and Company, New York) pp 69-90
- Cutter S L, 1995, "Race, class and environmental justice" Progress in Human Geography 19 111-122
- Davis M, 1995, "Los Angeles after the storm: the dialectic of ordinary disaster" Antipode 27 221-241
- Demeritt D, 1998, "Science, social constructivism and nature", in Remaking Reality: Nature at the millenium Eds B Braun, N Castree (Routledge, London)
- Demeritt D, 2001, "The Construction of Global Warming and the Politics of Science" Annals of the Association of American Geographers 91 307-337
- Fitzimmons M, 1989, "The Matter of Nature" Antipode 21 106-120
- Forsyth T, 1996, "Science, myth and knowledge: Testing himalayan environmental degradation in Thailand" Geoforum 27 375-392
- Forsyth T, 2002 Critical Political Ecology: The Politics of Environmental Science (Routledge, London)
- Gandy M, 2002 Concrete and Clay: reworking nature in New York City (MIT Press, Cambridge, Massachusetts)
- Goldman M, 2011 Knowing Nature : conversations at the Intersection of political ecology and science studies (University of Chicago Press, Chicago; London)
- Gorz A, 1993, "Political Ecology: Expertocracy versus Self-Limitation" New Left Review 55-68
- Grove K, 2009, "Rethinking the nature of urban environmental politics: Security, subjectivity, and the non-human" Geoforum 40 207-216
- Grundmann R, 1992, "The ecological challenge to Marxism" New Left Review 187 103-120
- Hardin G, 1968, "The Tragedy of the Commons" Science 162 1243-1248
- Harvey D, 1974, "Population, resources and the ideology of science" Economic Geography 50 256-277
- Harvey D, 1996 Justice, Nature and the Geography of Difference (Blackwell, Cambridge, MA)
- Heynen N, 2006, "Justice of Eating in the City: The Political Ecology of Urban Hunger", in In the Nature of Cities: urban political ecology and the metabolism of urban environments Eds N Heynen, M Kaika, E Swyngedouw (Routledge, London)
- Heynen N, Kaika M, Swyngedouw E, 2006 In the Nature of Cities: urban political ecology and the metabolism of urban environments (Routledge, London)
- Heynen N, McCarthy J, Prudham S, Robbins P, 2007 Neoliberal Environments: False promises and unnatural consequences (Routledge, New York and London)
- Heynen N C, 2003, "The Scalar Production of Injustice within the Urban Forest" Antipode 35 980-998)
- Huber M T, Currie T M, 2007, "The urbanization of an idea: Imagining nature through urban growth boundary policy in Portland, Oregon" Urban Geography 28 705-731
- Huston S, 1997, "Urban political ecology: an introduction" Capitalism, nature, socialism 8(1) 131-138
- Ioris A A R, 2011, "Applying the Strategic-Relational Approach to Urban Political Ecology: The Water Management Problems of the Baixada Fluminense, Rio de Janeiro, Brazil" Antipode no-no
- Jarosz L, 2004, "Political ecology as ethical practice" Political Geography 23 917-927

- Kaika M, 2004, "Interrogating the Geographies of the Familiar: Domesticating Nature and Constructing the Autonomy of the Modern Home" *International Journal of Urban and Regional Research* 28 265-286
- Kaika M, 2005 *City of Flows: nature, modernity and the city* (Routledge, New York)
- Kaika M, 2006, "Dams as Symbols of Modernization: The Urbanization of Nature Between Geographical Imagination and Materiality" *Annals of the Association of American Geographers* 96 276-301
- Keil R, 2003, "Urban Political Ecology" *Urban Geography* 24 723-738
- Keil R, 2005, "Progress report - Urban political ecology." *Urban Geography* 26 640-651
- Kitchen L, 2011, "Are trees always 'good'? Urban political ecology and environmental justice in the valleys of south wales" *International Journal of Urban & Regional Research* early online
- Kobayashi A, Peake L, 1994, "Unnatural Discourse, 'Race' and Gender in Geography" *Gender, Place and Culture* 1 225-243
- Laituri M, Kirby A, 1994, "Finding Fairness in America's Cities? The Search for Environmental Equity in Everyday Life" *Journal of Social Issues* 50 121-139
- Laurie N, 2011, "Gender Water Networks: Femininity and Masculinity in Water Politics in Bolivia" *International Journal of Urban and Regional Research* 35 172-188
- Le Billon P, 2001, "The political ecology of war: natural resources and armed conflicts" *Political Geography* 20 561-584
- Lipietz A, 1996, "Geography, Ecology, Democracy" *Antipode* 28 219-228
- Loftus A, 2009, "Intervening in the environment of the everyday" *Geoforum* 40 326-334
- Loftus A, *Everyday environmentalism : creating an urban political ecology* (University of Minnesota Press, Minneapolis)
- Merchant C, 1982 *The Death of Nature: Women, Ecology and the Scientific Revolution* (Wildwood, London)
- Monstadt J, 2009, "Conceptualizing the political ecology of urban infrastructures: insights from technology and urban studies" *Environment and Planning A* 41 1924-1942
- Moore D S, Kosek J, Pandian A, 2003 *Race, Nature, and the Politics of Difference* (Duke University Press)
- Myerson G, Rydin Y, 1994, "'Environment' and planning: a tale of the mundane and the sublime" *Environment and Planning D: Society and Space* 12 437-452
- Nesmith C, Radcliffe S A, 1993, "(Re)mapping Mother Earth: a geographical perspective on environmental feminisms" *Environment and Planning D: Society and Space* 11 379-394
- Neumann R P, 2010, "Political ecology II: theorizing region" *Progress in Human Geography* 34 368-374
- Neumann R P, 2011, "Political ecology III" *Progress in Human Geography* 35 843-850
- Nightingale A J, 2005, " 'The experts taught us all we know': Professionalisation and Knowledge in Nepalese Community Forestry" *Antipode* 34 581-604
- Nightingale A J, 2006, "The Nature of Gender: work, gender and environment" *Environment and Planning D: Society and Space* 24 165-185
- O'Reilly K, 2006, "'Traditional' women, 'modern' water: Linking gender and commodification in Rajasthan, India" *Geoforum* 37 958-972
- O'Brien K, 2011, "Responding to environmental change: A new age for human geography?" *Progress in Human Geography* 35 542-549
- Otero I, Kallis G, Aguilar R, Ruiz V, 2011, "Water scarcity, social power and the production of an elite suburb The political ecology of water in Matadepera, Catalonia" *Ecological Economics* 70 1297-1308
- Peet R, Watts M, 1996 *Liberation Ecologies: environment, development, social movements* (Routledge Press, New York)

- Perelman M, 1979, "Marx, Malthus, and the concept of natural resource scarcity" *Antipode* 11 80-92
- Robbins P, 2004 *Political Ecology* (Blackwell, Oxford)
- Roberts R S, Emel J, 1992, "Uneven development and the tragedy of the commons: competing images for nature-society analysis" *Economic Geography* 68 249-271
- Rocheleau D, Thomas-Slayter B, Wangari E, 1996 *Feminist Political Ecology: Global Issues and Local Experiences* (Routledge, New York)
- Schroeder R A, 1999, "Geographies of environmental intervention in Africa" *Progress in Human Geography* 23 359-378
- Smith N, 1984 *Uneven Development: Nature, Capital and the Production of Space* (Blackwell, Oxford)
- Smith N, O'Keefe P, 1980, "Geography, Marx and the Concept of Nature" *Antipode* 12 30-39
- Sultana F, 2011, "Suffering for water, suffering from water: Emotional geographies of resource access, control and conflict" *Geoforum* 42 163-172
- Swyngedouw E, 1996, "The city as a Hybrid: on Nature, Society and Cyborg Urbanisation" *Capitalism Nature Socialism* 7 65-80
- 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* 29 311-332
- Swyngedouw E, 1999, "Modernity and hybridity: nature, regeneracionismo, and the production of Spanish waterscape, 1890–1930" *Annals of the Association of American Geographers* 89 443–465
- Swyngedouw E, 2004 *Social power and the urbanisation of water: flows of power* (Oxford University Press, Oxford)
- Swyngedouw E, 2010, "Apocalypse Forever?" *Theory, Culture & Society* 27 213-232
- Swyngedouw E, Heynen N, 2003, "Urban Political ecology: justice and the politics of scale" *Antipode* 35 898-918
- Swyngedouw E, Kaika M, Castro J E, 2002, "Urban Water: A political-ecology perspective" *Built Environment* 28 124-137
- Walker G, Bulkeley H, 2006, "Geographies of environmental justice" *Geoforum* 37 655-659
- Walker P A, 2005, "Political Ecology: where is the ecology?" *Progress in Human Geography* 29 73-82
- Warren K J, 1987, "Feminism and Ecology: Making Connections" *Environmental Ethics* 9 3-20
- Willems-Braun B, 1997, "Buried Epistemologies: The Politics of Nature in (Post)colonial British Columbia" *Annals of the Association of American Geographers* 87 3-31
- Zimmerer K, 1994, "Human Geography and the "New Ecology": The Prospect and Promise of Integration" *Annals of the Association of American Geographers* 84 108-125