

**DEVELOPMENT STUDIES INSTITUTE
LONDON SCHOOL OF ECONOMICS**

for lent 2007

**DV415
INSTITUTIONS AND GLOBAL ENVIRONMENTAL CHANGE
(10 WEEK HALF UNIT)**

Tim Forsyth t.j.forsyth@lse.ac.uk V510

The Course:

This course is about global environmental politics and their implications for international development. The course looks particularly at environmental governance, or ways of finding political solutions to global environmental problems in complex and diverse settings. The course draws upon some debates within International Relations, but this is not a straight International Relations course: it also draws on debates from social and political theories, the politics of environmental science and expertise, and political economy of development. Moreover, the course does not only consider the role of nation states and inter-state negotiations, but also the roles played by non-state actors such as NGOs, international organizations (such as the World Bank) and business, and the development of policies at international, national, and sub-national scales. The aim of the course is to investigate ways of analyzing and addressing global environmental problems in ways that acknowledge the diverse perceptions and uncertainty of topics such as climate change, biodiversity and biosafety, and the impacts of these responses on people at the local level.

Teaching Objectives:

To enable students to demonstrate mastery of the subject-matter of the course through the expression of relevant factual knowledge and an understanding of relevant theory and practice of the human dimensions of global environmental change. To enable students to develop analytical skill and conceptual dexterity, at an appropriately advanced level, as evidenced in written work (in essay for formative assessment and in examination answers for summative assessment) and in oral presentation and discussion.

Availability:

This course is open to all MSc students who wish to learn about global environmental politics and implications for development or international politics. It is particularly recommended for students conducting the MScs in Environment and Development, Development Studies, Development Management, Politics of the World Economy, Comparative Politics, and other courses that feature environment, politics, or development at an international level. DV415 is often taken with DV413 (another half-unit taught in Michaelmas Term), which focuses generally on aspects of environment and development at the local level within developing countries. (It is not necessary to have done DV413 before taking this course).

Lectures and Classes:

One weekly lecture followed by one weekly class (seminar). Lectures start in Week 11 (first week of Lent Term); classes start in Week 12. The success of a Masters course at the LSE requires a commitment to read extensively and a willingness to exchange views in classes. Classes are not lectures: they allow for clarification, an exchange of views, and student presentations. Teachers should offer clear suggestions on the directions of a discussion but should not dominate the debate: every participant bears some of the responsibility for the success or failure of a seminar. For seminars for which you are not preparing a paper, the quality of the discussion and how much you as an individual get out of it depend primarily on your preparation. It is essential that everyone read the set paper(s) for each seminar, plus some other items on the reading list.

Assessment:

Dv415 will be assessed through one two-hour examination in June (80%) – answer two questions (of 7) in two hours – plus one assessed coursework essay of no more than 2,000 words (20%). Students may also give an oral presentation, with written notes, to the class (this is not formally assessed). **Submission date for Assessed Essay: Monday 23rd April, by 4.00pm (in Destin Office) (this is the first day of Summer Term).**

Contact:

Please speak to me before or after lectures and classes; e-mail me (t.j.forsyth@lse.ac.uk); or come to my office (V510). Office hour slots on a sign-up sheet on my office door: Tuesdays 2-4pm.

Topics:

The course is designed to summarize changes in debates about global environmental governance. The first lectures show traditional approaches to governance based on inter-state negotiations and the formal role of scientific expertise. These are illustrated through the examples of 'systemic' environmental problems such as ozone depletion and anthropogenic climate change. The course then begins to focus on the roles of non-state actors such as international organizations, investors and civil society and the more informal sources of expertise. These are illustrated by the more 'cumulative' environmental problems such as biodiversity decline, fears about biosafety, and forest conservation.

1. Introduction: defining 'global' environmental problems, sustainable development, history of 'environment'
2. Introduction to regime theory and the role of the state (example of ozone)
3. Climate change (i) : the issues and negotiations
4. Climate change (ii) : implementing Kyoto, post-Kyoto, and debates about adaptation
5. International business and environment (including technology transfer)
6. Multilateral Development Banks and Development Assistance
7. Trade, free trade, globalization and the WTO
8. Expertise, civil society and North–South conflicts in environmental regimes (example of conservation)
9. Biodiversity, biosafety and trade (examples of endangered species and GMOs)
10. Biodiversity, forests and conservation

Basic Reading:

Some useful books that will be introductory or used in the course include:

- Buck, S. 1998 *The Global Commons: An Introduction*. London: Earthscan. **cc GE170 B92**
- Clapp, J. and P Dauverge (2005) *Paths to a Greener World: the Political Economy of the Global Environment*, MIT Press, **HC79.E5 C58**
- Dauvergne, P. (ed) (2005) *Handbook of global environmental politics*, Cheltenham: Elgar. **cc GE170 H23**
- Dimitrov, R. (2006) *Science and international environmental policy: regimes and nonregimes in global governance*. Lanham, MD : Rowman & Littlefield. **GE170 D58**
- Elliott, L. (1998) *The Global Politics of the Environment*. Basingstoke: Macmillan. **GE170 E41**
- Forsyth, T. (2003) *Critical Political Ecology: the politics of environmental science*, Chapter 7. **cc and norm HC79.E5 F73**
- Goldman, M. (2005) *Imperial nature: the World Bank and struggles for social justice in the age of globalization*. New Haven: Yale University Press. **HG3881.5.W57 G61**
- Haas, P et al (editors) 1993 *Institutions for the Earth: sources of effective international environmental protection*. Cambridge, Mass. and London: The MIT Press **cc TD170.2 I51**
- Jasanoff and Marybeth Long Martello (eds) (2004) *Earthly politics: local and global in environmental governance*, Cambridge, Mass: MIT Press. **cc GE300 E11**
- Miller, C. and Edwards, P. (eds) (2001) *Changing the atmosphere: expert knowledge and environmental governance*. Cambridge, Mass.: MIT Press. **GE300 C45**
- Rayner, S and Malone, E (editors) 1998 *Human Choice and Climate Change*. Columbus, Ohio: Battelle Press. Four Volumes. See especially Volume 1 'The Societal Framework', Chapters 1 and 5; and Volume 2 'Resources and Technology', Chapter 1 **QC981.8.C5 H91 main and cc**
- Sachs, W (editor) 1993 *Global ecology: a new arena of political conflict*, London: Zed Books. (a good classic) **cc HC79.E5 G56**
- Young, O R 1997 (ed) *Global governance: drawing insights from the environmental experience*, Cambridge, Mass.: MIT Press. **GE170 G56**
- Young, O.R. (ed) 1999 *The Effectiveness of International Environmental Regimes; Causal Connections and Behavioral Mechanisms*. Cambridge MA: MIT Press. **K3585.4 E21**

Internet:

This course uses a lot of up-to-date reports and controversies, so do look up websites.

WWW.IISD.ORG has useful summaries, sign up for latest updates on negotiations

www.unfccc.int is the Climate Change Convention website

ESRC GEC programme. 2000. *Who governs the global environment?* <http://www.gecko.ac.uk/doc-b/index.html>

Chatham House has some good up-to-date reports: <http://www.chathamhouse.org.uk/index.php?id=69>

Journals:

Please browse any journals that interest you, but the following are particularly relevant:

Global Environmental Politics **GE170**

Environment magazine **HC79.E5**

Global Environmental Change **HC79.E5**

1. INTRODUCTION: DIFFERENT APPROACHES TO THE 'GLOBAL' ENVIRONMENTAL DEBATE

This gets the course going by describing the political problems inherent when we start to define any 'problem' as 'global.' These are big underlying issues that are still unresolved in global environmental politics. The lecture will also review the history of global environmental negotiations, especially Stockholm 1972, Rio 1992, and Johannesburg 2002

Questions: *When is a global environmental problem really global?*
 What are systemic and cumulative global environmental problems?
 How have international debates about global environment changed over the years?
 What are the classic standoffs between North and South?

There is no class (seminar) in Week 11, but these readings may be discussed in Week 12.

Lecture (Set) Readings

Turner, BL. II. Et al. 1990. Two Types of Global Environmental Change: Definitional and Spatial Scale Issues in their human Dimensions. *Global Environmental Change* 12: 14-22 **HC79.E5 [the physical science view]**

Taylor, P. and Buttel, F. (1992) "How do we know we have Global Environmental Problems? Science and the globalization of environmental discourse," *Geoforum* 23:3 405-416. **[the sociologists' response]**

About physical approaches to global environmental change

Wuebbles, D and Rosenberg, N 1998 'The natural science of global climate change', in, Rayner, S and Malone, E, editors, *Human Choice and Climate Change*, Volume 2 Resources and Technology, Chapter 1, pps 1-78 **QC981.8.C5 H91**

The BASIC SCIENCE - <http://www.aag.org/HDGC/www/intro/toc.html>

About political debates about 'global' problems

Adams, WM. 2001. *Green Development*. Routledge. **QH541 A21**

Barrow, C.J. Sustainable Development; Concept, Value and Practice. *Third World Planning Review*, 17(4) 369-386 **[high-use periodicals HC59.7]**

Dobson A: 'Environmental Sustainabilities: An Analysis and a Typology'. *Environmental Politics*, Vol 5 No 3, Autumn 1996, pp.401-428.

Lafferty, WM & Langhelle, O (eds) 1999 Towards Sustainable Development: On the goals of development – and the conditions of sustainability (London: McMillan).

Lele, Sharachandra M. 1991 'Sustainable Development: A Critical Review', *World Development* (Vol. 19, No. 6, June), pp. 607-21 [offprint p6363]. **HC59.7 high-use periodicals**

Meyer- Abich K M 1993. Winners and Losers in Climate Change. Pp 68-87 In Sachs, W. *Global Ecology: a new arena of political conflict*, London: Zed. **HC79.E5 G56**

O'Riordan, T. 2000. Climate Change. Pp171-211 / and or / 'The sustainability debate'. Chapter 2, pp 29-62 in O'Riordan, T. Ed. *Environmental Science for Environmental Management*. Prentice Hall. **cc GE170 E61**

Sneddon, C.S. 2000 "Sustainability" in Ecological Economics, Ecology and Livelihoods: A Review, Progress in Human Geography (Vol. 24, no. 4), pp. 521-549.

Worster, D. 1993. The Shaky Ground of Sustainability. In Sachs, W. *Global Ecology*. London: Zed. **HC79.E5 G56 [recommended]**

About history of international negotiations and agreements

Birnie, P. 1993 'The UN and the Environment', in Adam Roberts and Benedict Kingsbury (eds.), United Nations, *Divided World: The UN's Role in International Relations*, Second Edition (Oxford: Clarendon Press.), pp. 327-83. **[cc JX1977 U51]**

Brown, K., 1997, 'Development and the Environment: Rio Plus Five', edited Policy Arena in *Journal of International Development*, 9.3, pp383-425

Conca, K. 1995 'Greening the United Nations Environmental Organisations and the UN System', *Third World Quarterly* (Vol. 16, No. 3.), pp. 441-57. **[mc HC59.7]**

Chatterjee, P. and M. Finger (eds.), 1994 *The Earth Brokers: Power, Politics and World Development* (London: Routledge.). **[mc GE170 C49]**

The Ecologist, 1993. *Whose Common Future?* (London: Earthscan) **[mc HD1289.G7 E11]**

Grubb, M. et al (eds), 1993. The `Earth Summit' Agreements: A Guide and Assessment (London: Earthscan for the RIIA,). [cc **HC79.E5 E11**] [great summary of nuts and bolts]
Middleton, N and O'Keefe, P. (1993) The tears of the crocodile : from Rio to reality in the developing world , London: Pluto **HC79.E3 M62** [good cynical stuff]
Middleton, N. and O'Keefe, P. (2002) Rio Plus 10, London: Pluto, **HD75.6 M62** [excellent summary]
Spector, B. I. et al (eds.), 1994. Negotiating International Regimes: Lessons Learned from the UNCED (London: Graham and Trotman,). [mc **GE170 N38**]

Journal special issue:

Environmental Politics. 1993, Environmental Politics Special Issue on `Rio: Unravelling the Consequences' (Vol. 2, No. 4, Winter). [mc **HC79.E5**]

Internet

Linkages: International Institute for Sustainable Development. Information on all international agreements and sustainable development. <http://www.iisd.ca/linkages/>

<http://www.un.org/esa/sustdev>

The UN has initiated a ten-year review of the UNCED: <http://www.un.org/rio+10/>

12. STATE POLITICS, STATE POLITICS, REGIME THEORY, AND THE EXAMPLE OF OZONE

Now we review some theories. In particular we look at regime theory and the role of the state and non-state actors. This lecture will form an important background to the conceptual questions that underpin specific topics later on. We illustrate this with the case of ozone policy.

Questions: *What are global environmental policy regimes?*
 What are the main theories of regimes?
 How and why is sovereignty an issue?
 What is an epistemic community?

Lecture (Set) Readings

Karkkainen, Bradley C.. (2004), Post-Sovereign Environmental Governance. *Global Environmental Politics*, Vol. 4 Issue 1, p72-96 **GE170**

Trittin, Jürgen.(2004),The Role of the Nation State in International Environmental Policy. *Global Environmental Politics*, Vol. 4 Issue 1, p23-28 **GE170**

Class (Required) Readings

Haas, P. (1992) "Introduction: Epistemic communities and international policy coordination," *International Organization*, 46:1 1-35. **JX1901**

Jasanoff, S. (1996) "Science and norms in global environmental regimes," pp. 173-197 in Hampson, F. and Reppy, J. (eds) *Earthly Goods: Environmental Change and Social Justice*, Ithaca and London: Cornell University Press. **HC79.E5 E11** (good critique of Haas etc)

Epstein, Charlotte (2006) The Making of Global Environmental Norms: Endangered Species Protection, *Global Environmental Politics*, Vol. 6, No. 2, Pages 32-54 **GE170**

About regime theories

Haas, Peter M. (2004), Addressing the Global Governance Deficit. *Global Environmental Politics*, Vol. 4 Issue 4, p1-15 **GE170**

Hurrell, A. 1994 `A Crisis of Ecological Viability? Global Environmental Change and the Nation-State', *Political Studies* (Vol. 42,), pp. 146-65. [mc **JA8 and offprint**] [the classic line about the state's self interest]

Lahsen, M. (2004) "Transnational Locals: Brazilian Epistemers in the Climate Regime," book chapter in *Earthly Politics*, Worldly Knowledge: Local and Global in Environmental Politics, ed. S. Jasanoff and M. Long-

Martello **[critical of epistemic communities]**

- Levy, M. A., Young, O. R., & Zürn, M. (1995). The study of international regimes. *European Journal of International Relations*, 1(3), 267-330
- Newell, Peter. (2005), Race, Class and the Global Politics of Environmental Inequality. *Global Environmental Politics*, Vol. 5 Issue 3, p70-94 **GE170 [discussion of social differentiation at global level]**
- O'Riordan, T et al 1998 'Institutional frameworks for political action', in, Rayner, S and Malone, E, editors *Human Choice and Climate Change*, Volume 1, The Societal Framework, Chapter 5, pps 345-439
- Paolini, Albert J., Anthony P. Jarvis, and Christian Reus-Smit. 1998 *Between Sovereignty and Global Governance : the United Nations, the State, and Civil Society*. Houndmills, Basingstoke: Macmillan Press]. **[A set of discussions about the development of global governance]**
- Paterson, M. 1997. Institutions for Global Environmental Change. *Global Environmental Change* 7(2) 175-177 **download through electronic journals [on the sovereignty of the state]**
- Princen T. and Matthias Finger, *Environmental NGOs in World Politics: Linking the Global and the Local* (London: Routledge). **[mc HC79.E5 P95] [classic optimistic civil society stuff]**
- Princen, T. Matthias Finger and Jack Manno, 1995 'NGOs in World Environmental Politics', *International Environmental Affairs* (Vol. 7, No. 1, Winter), pp. 42-58. **[mc HC79.E5] [ditto]**
- Sand, Peter H. (2004), *Sovereignty Bounded: Public Trusteeship for Common Pool Resources?* *Global Environmental Politics*, Vol. 4 Issue 1, p47-71 **GE170 [about sovereignty and the state]**
- Wapner, P. 1995 'Politics Beyond the State: Environmental Activism and World Civic Politics', *World Politics* (Vol. 47, April), pp. 311-40. **[mc JX1] high-use periodicals [classic optimistic civil society stuff]**
- Wapner, P. 1995 'The State and Environmental Challenges: A Critical Exploration of Alternatives to the State-System', *Environmental Politics* (Vol. 4, No. 1, Spring), pp. 44-69. **[mc HC79.E5 high-use periodicals and offprint P1387A/B] [ditto]**
- Vogler, John [2005]. The European contribution to global environmental governance. *International affairs*. 81(4) 835-850. **JX1**
- Vogler, John. (2003), *Taking Institutions Seriously: How Regime Analysis can be Relevant to Multilevel Environmental Governance*. *Global Environmental Politics*, Vol. 3 Issue 2, p25-40 **GE170**
- Young, Oran R., 1997. "Rights, Rules, and Resources in World Affairs," in Oran R. Young , ed., *Global Governance: Drawing Insights from the Environmental Experience* (Cambridge: MIT Press), pp. 1-23. **GE170 G56**

Example: Ozone regime

Compare the following approaches

- Benedick, R. (1991) *Ozone Diplomacy: New Directions in Safeguarding the Planet*, Cambridge, MA: Harvard University Press. **Cc K3593 B46** (classic optimistic view of science to policy)
- Litfin, K. (1994) *Ozone Discourses: Science and Politics in Global Environmental Cooperation*, New York: Columbia University Press. **QC879.7 L77** (classic criticism of value-free science)

13. CLIMATE CHANGE #1 : THE ISSUES AND NEGOTIATIONS

Climate change is one of the big themes of this course. There are two lectures. The first looks at the basic underlying scientific and political uncertainties, and how these have influenced negotiations up to the Kyoto Protocol in 1997. The second looks at the Kyoto Protocol in more detail and the problems of implementing it. (Remember, various other aspects of this course such as trade, business, regimes etc.) can use climate change as an example).

Questions for this first lecture:

- What are the inherent uncertainties underlying climate change?*
- What have been the main barriers to policy in the past?*
- What are the obvious standoffs between North and South?*
- Why did Kyoto end up being what it is?*

Note: some of the readings for this week can be used for next week, and vice versa.

Lecture (Set) Readings

Lohmann, L. (2001) Democracy or Carbocracy? Intellectual Corruption and the Future of the Climate Debate, Briefing number 24, The Corner House, Sturminster Newton, UK <http://cornerhouse.icaap.org/>

Depledge, Joanna (2006) The Opposite of Learning: Ossification in the Climate Change Regime, *Global Environmental Politics*, Vol. 6, No. 1, Pages 1-22 **GE170**

Class (Required) Readings

Demeritt, D. (2001) "The construction of global warming and the politics of science," *Annals of the Association of American Geographers*, 91:2 307-337. (see public folder)

Basic readings for background

Grubb, M., Brack, D. and Vrolijk, C. (1999) *The Kyoto Protocol, A Guide and Assessment*, London: Earthscan and the Royal Institute of International Affairs. **Cc K3585.4 G88** **[a basic guide to Kyoto]**

Leggett, J. 1999. *The Carbon War: Dispatches from the End of the Oil Century*. London: Allen Lane/Penguin. ch 11 pp291-328. **[a basic guide to climate politics]**

Other Readings

Boehmer-Christiansen, S.(2002) *International environmental policy : interests and the failure of the Kyoto process*. Northampton, MA : Edward Elgar. **cc and main GE170 B67**

Lohmann, L. (1999) The Dyson Effect: Carbon 'Offset' Forestry and the Privatisation of the Atmosphere, Briefing number 15, The Corner House, Sturminster Newton, UK <http://cornerhouse.icaap.org/>

Harris, P. (ed) (2003) *Global warming and East Asia: the domestic and international politics of climate change*. New York, London: RoutledgeCurzon. **QC990.E18 G56**

Harris, P. (ed) (2005) *Confronting environmental change in East and Southeast Asia : eco-politics, foreign policy and sustainable development*, London: Earthscan. **GE185.E18 C74**

Harris, P. (ed) (2000) *Climate change and American foreign policy*, London: St Martins. **QC981.8.C5 C63**

McCright, Aaron M. Dunlap, Riley E (2003) Defeating Kyoto: the conservative movement's impact on U.S. climate change policy. *Social problems*. 50(3) 348-373. **HN1**

McKibbin, W. and Peter J. Wilcoxon (2002) *Climate change policy after Kyoto : a blueprint for a realistic approach*, Washington: Brookings. **QC981.8.C5 M15**

Newell, P. (2000) *Climate for change : non-state actors and the global politics of the greenhouse*. Cambridge University Press. **main and cc QC912.3 N54**

Victor D and Salt J: 'From Rio to Berlin: Managing Climate Change'. *Environment*, December 1994, pp.6-32.

Zhang, Zhihong [2003]. The forces behind China's climate change policy: interests, sovereignty and prestige. [Chapter] In: Harris, P. (ed) *Global warming and East Asia: the domestic and international politics of climate change*. New York, London: Routledge Curzon. **QC990.E18 G56**

Journals:

Linkages - Climate Change <http://www.iisd.ca/climate/climate.html>

Tiempo: global warming and the third world. <http://www.cru.uea.ac.uk/tiempo/>

Contrarian views

http://www.open2.net/truthwillout/globalwarming/global_stott.htm (some people say this is a bit simple, but see what you think)

Search for any news concerning the (now disbanded) Global Climate Coalition (pro-business)

Anti-Climate Change lobby: <http://www.betterworldlinks.org/book56m.htm>

14. CLIMATE CHANGE #2: IMPLEMENTING KYOTO AND QUESTIONS ABOUT VULNERABILITY / ADAPTATION AND DEVELOPMENT

This second lecture on climate change will focus on the problems concerning Kyoto and the policy environment after the US withdrawal. This lecture will particularly consider the challenges for implementing Kyoto through the so-called flexible mechanisms and alternatives to Kyoto.

Questions: *What are the advantages and disadvantages of Kyoto?*
 How far should climate change policy be based on national targets?
 What are the flexible mechanisms and do they work?
 What will a post-Kyoto climate regime look like?

Class readings:

Lohmann, L. (2005) Marketing and making carbon dumps: Commodification, calculation and counterfactuals in climate change mitigation, *Science as Culture* 14: 3 203-35. **Q1**

Bäckstrand, K. Lövbrand, E. (2006) Planting Trees to Mitigate Climate Change: Contested Discourses of Ecological Modernization, Green Governmentality and Civic Environmentalism, *Global Environmental Politics*, Vol. 6, No. 1, Pages 50-75 **GE170**

Other readings

Browne_J (2004) Beyond Kyoto *Foreign affairs*, Jul-Aug 2004, Vol.83, No.4, pp.20-32 [the BP view]

Gulbrandsen, Lars H.; Andresen, Steinar. (2004), NGO Influence in the Implementation of the Kyoto Protocol: Compliance, Flexibility Mechanisms, and Sinks. *Global Environmental Politics*, Vol. 4 Issue 4, p54-75 **GE170**

Ellerman, A. Jacoby, H. and Decaux, A. (1998) The effects on developing countries of the Kyoto Protocol and CO2 emissions trading, World Bank. **IBRD (433/2019)**

Frankel, Jeffrey [2005]. Climate and trade: links between the Kyoto protocol and WTO. *Environment*. 47(7) 8-19.

Solomon_BD, Lee_R (2000) Emissions trading systems and environmental justice *Environment*, Oct 2000, Vol.42, No.8, pp.32-45

Yamin, F. (ed) Special issue of IDS Bulletin 35: 3 (2004)

<http://www.ids.ac.uk/ids/bookshop/bulletin/bull353.html> [good summary of some development oriented questions]

About the EU emissions trading scheme

Cass, Loren.(2005), Norm Entrapment and Preference Change: The Evolution of the European Union Position on International Emissions Trading. *Global Environmental Politics*, Vol. 5 Issue 2, p38-60 **GE170**

Wettestad, Jørgen.(2005),The Making of the (2003) EU Emissions Trading Directive: An Ultra-Quick Process due to Entrepreneurial Proficiency? *Global Environmental Politics*, Vol. 5 Issue 1, p1-23 **GE170**

On Vulnerability/ adaptation

Adger_WN (2003) Social capital, collective action, and adaptation to climate change *Economic geography*, Oct 2003, Vol.79, No.4, pp.387-404

Adger_WN (2001) Scales of governance and environmental justice for adaptation and mitigation of climate change *Journal of international development*, Oct 2001, Vol.13, No.7, pp.921-931

Adger, WN (1999) Social vulnerability to climate change and extremes in coastal Vietnam, *World Development* 27(2), 249-269

Roy_M, Venema_HD (2002) Reducing risk and vulnerability to climate change in India: the capabilities approach *Gender and development*, Jul 2002, Vol.10, No.2, pp.78-83 [see other papers in this special issue]

VásquezLeón_M, West_CT, Finan_TJ (2003) A comparative assessment of climate vulnerability: agriculture and ranching on both sides of the US-Mexico border *Global environmental change*, Oct 2003, Vol.13, No.3, pp.159-173

Cities and climate change

Satterthwaite, D. 1997. Environmental Transformations in Cities as they get larger, Wealthier and Better Managed. *The Geographical Journal*. 163 (2) 216-224.

Bulkeley H and. Betsill M. (2003) Cities and climate change : urban sustainability and global environmental governance New York : Routledge **QC981.8 B93**

Melchert, L. 2005. The age of environmental impasse? Globalization and environmental transformation of metropolitan cities. *Development and Change* 36:5 803-23.

Journal: see *Environment and Urbanization*

Web: www.rec.org/REC/Programs/SustainableCities/ Regional Environment Centre: has compilation of different approaches to, and definitions of, sustainable cities

ICLEI <http://www.iclei.org/>

Websites

(NB: there are many papers in economics on 'how to do' emissions trading. Please avoid these papers unless you are particularly interested: this course is more to do with the political and developmental aspects of climate change policy)

For up to date information on climate, explore this site: <http://www.iisd.org/climate/>

Or the formal UN site www.unfccc.int

Greenpeace view (check for updates)

http://www.greenpeace.org/international/en/extra/?item_id=356701&mnulanguage=en

15 INTERNATIONAL BUSINESS AND TECHNOLOGY TRANSFER

Business is obviously an important non-state actor, and companies need to be involved in order to implement policies. Some critics have claimed large businesses are engaged in redefining the perceived need for environmental policy (a discursive strategy), while some analysts point out the need to harness business involvement in order to achieve objectives such as technology transfer. This lecture will consider some theoretical directions from debates such as ecological modernization and neo-Gramscian approaches to environmental policy, as well as review the challenges for environmental technology transfer.

Questions: *What is the neo-Gramscian approach?*
 How do companies influence the large environmental debates?
 What are the barriers to environmental technology transfer?

Lecture (Set) Readings

Levy, David L.; Newell, Peter J. (2002), Business Strategy and International Environmental Governance: Toward a Neo-Gramscian Synthesis.. *Global Environmental Politics*, Vol. 2 Issue 4, p84-101 **GE170**

Forsyth, T.J. 1999. Flexible mechanisms of climate technology transfer . *Journal of environment and development*, Sep 1999, Vol.8, No.3, pp.238-257.

Class (Required) Readings

Clapp, Jennifer. (2005), Global Environmental Governance for Corporate Responsibility and Accountability. *Global Environmental Politics*, Vol. 5 Issue 3, p23-34 **GE170**

Falkner, Robert. (2003), Private Environmental Governance and International Relations: Exploring the Links. *Global Environmental Politics*, Vol. 3 Issue 2, p72-87 **GE170**

Other Readings

Carpenter, C. (2001) Business, green groups and the media: the role of non-governmental organizations in the climate change debate. *International Affairs* 77:2 313-28. **JX1**

Clapp, Jennifer [2005]. The privatization of global environmental governance: ISO 14000 and the developing

- world. [Chapter] In: Levy , D.and Newell, P. (eds) (2005) (eds) *The business of global environmental governance*. Cambridge MA: MIT Press. **HC79.E5 B97**
- Finger, M. and James Kilcoyne, 1997. 'Why Transnational Corporations are Organizing to "Save the Global Environment"', *The Ecologist* (Vol. 27, No. 4, July/August), pp. 138-42. **QH540**
- Ford, Lucy H. [2005]. Challenging the global environmental governance of toxics: social movement agency and global civil society. [Chapter] In: Levy , D.and Newell, P. (eds) (2005) *The business of global environmental governance*. Cambridge MA: MIT Press. **HC79.E5 B97**
- Forsyth, T. 2005. 'Enhancing climate technology transfer through greater public-private cooperation: lessons from Thailand and the Philippines,' *Natural Resource Forum* 29: 165-176. (see public folder)
- Forsyth, T. 1999. *International Investment and Climate Change*. London: Earthscan. (especially chapters 2 and 3) **HD9502.A2 F74**
- Forsyth, T. 1998 (ed) Positive measures for technology transfer under the climate change convention
London : Royal Institute of International Affairs, Energy and Environmental Programme ;
Washington, D.C. : Distributed by the Brookings Institution, 1998. **HC79 .T4 P85 [NORM]**
- Le Menestrel, M. (et al) (2001) Processes and dilemmas in business ethical dilemmas: the oil industry and climate change, *Journal of Business Ethics* 41: 251-66. (See public folder)
- Levy , D.and Newell, P. (eds) (2005). *The business of global environmental governance*. Cambridge, Mass. : MIT Press. **HC79.E5 B97**
- Levy, D and Egan, D. 2003 neo-Gramscian approach to corporate political strategy: conflict and accommodation in the climate change negotiations. *Journal of Management Studies* 40:4 (see public folder)
- Porter, G. and Janet Welsh Brown, 1996. 'Corporations as Actors', *Global Environmental Politics*, Second Edition (Boulder, CO.), pp. 59-65. **cc HC79.E5 P84**
- Robbins, P. (1996) TNCs and global environmental change. A review of the UN Benchmark Corporate Environmental Survey, *Global Environmental Change Part A* 6 (3) pp. 235-244 (see public folders)
- Romm, J. 1999. Cool Companies: How the Best Businesses Boost Profits and Productivity by Cutting Greenhouse Gas Emissions. Earthscan. **HD56 R76** [shows how the smartest companies have been able to make money through the improvements that reduce their greenhouse gas emissions.]

16 MULTILATERAL DEVELOPMENT BANKS AND DEVELOPMENT ASSISTANCE

Development banks and aid agencies are further important actors in formulating and implementing global environmental policy. Do these organizations act independently of nation states? Or do they form another arena by which nation states can dominate policymaking? How can they be reformed? This lecture focuses particularly upon the World Bank, and with some reference to the Global Environment Facility.

- Questions: *What are the political debates about governing international organizations?
Has the World Bank become 'greener' in practice or in image only?
Do they respond to international reform, or external pressure?
And is that pressure 'local' or from international activists?*

Lecture (Set) Readings

- Gutner, Tamar. (2005), Explaining the Gaps between Mandate and Performance: Agency Theory and World Bank Environmental Reform. *Global Environmental Politics*, Vol. 5 Issue 2, p10-37 **GE170**
- Park, Susan. (2005), How Transnational Environmental Advocacy Networks Socialize International Financial Institutions: A Case Study of the International Finance Corporation. *Global Environmental Politics*, Vol. 5 Issue 4, p95-119 **GE170**

Class (Required) Readings

- Goldman, M. (2005) *Imperial nature : the World Bank and struggles for social justice in the age of globalization*. New Haven: Yale University Press. **HG3881.5.W57 G61** [good if you can read some of this, but it is a book and currently LSE only has one]
- Young, Z. (2002) *A new green order? : the World Bank and the politics of the Global Environment Facility*, London: Zed. **GE170 Y71** [ditto]

(or)

Nelson, P. 1996 'Internationalising Economic and Environmental Policy: Transnational NGO Networks and the World Bank's Expanding Influence', *Millennium: Journal of International Studies* (Vol. 25, No. 3, Winter), pp. 605-33. [mc JX1]

Wade, Robert [2003]. The World Bank and the environment. In: Morten Bøas and Desmond McNeill. (eds) *Global institutions and development: framing the world*. New York: Routledge. cc HG1975 G56

Other Readings

Daly, H. 1994 'Fostering Environmentally Sustainable Development: Four Parting Suggestions for the World Bank' *Ecological Economics* (Vol. 10, No. 3, August), pp. 183-87. [mc HC79.E5]

Daly H. 1994 Farewell Lecture To the World Bank. January 14. <http://www.dieoff.org/page64.htm>

El-Ashry, M. 1993 'The Road from Rio: Implications of the UN Conference on Environment and Development for the World Bank', *Journal of Environment and Development* (Vol. 2, No. 2, Summer), pp. 67-78. [mc HC79.E5]

Gerlak, Andrea K..(2004), One Basin at a Time: The Global Environment Facility and Governance of Transboundary Waters. *Global Environmental Politics*, Vol. 4 Issue 4, p108-141 **GE170**

George S. and Fabrizio Sabelli, 1994 *Faith and Credit: The World Bank's Secular Empire* (London: Penguin,). [mc HG3881.5.W57 G34]

Gupta, J. 1995 'The Global Environment Facility in its North-South Context', *Environmental Politics* (Vol. 4, No. 1, Spring), pp. 19-43. [offprint P9752 and mc HC79.E5]

Keohane R. and Marc A. Levy (eds), 1996 *Institutions for Environmental Aid* (London: The MIT Press,). [mc HD75.6 I51]

Mikesell, R. and Lawrence F. Williams, 1993 'The Evolution of Multilateral Banks and the Environment', Ch 2 in Raymond F. Mikesell and Lawrence F. Williams, *International Banks and the Environment: From Growth to Sustainability -- An Unfinished Agenda* (San Francisco, CA: Sierra Club Books,.) pp 9-35, [offprint p7262 and cc HG1976.D44 M63] !

O'Riordan, T. [1992]. The World Bank and the environment - first annual report 1990. *Environment and planning B*. 24(2) 314.

Randeria_S Glocalization of law: environmental justice, World Bank, NGOs and the cunning state in India *Current sociology*, May-Jul 2003, Vol.51, No.3-4, pp.305-328

Reed D. (ed.), 1996 *Structural Adjustment, the Environment, and Sustainable Development*. London: Earthscan,). [cc HD75.6 S92] [introduction and case studies as appropriate]

Piddington, K. 'The Role of the World Bank', in Andrew Hurrell and Benedict Kingsbury (eds.), *The International Politics of the Environment* (Oxford: Clarendon Press, 1992), pp. 212-27. [cc K3585.6 I61] [old view]

Rich, B. 1994 'The Cuckoo in the Nest: Fifty Years of Political Meddling by the World Bank', *The Ecologist* (Vol. 24, No. 1, January/February), pp. 8-13. main QH540

Rich, B. 1994 'The Castle of Contradictions', in Bruce Rich, *Mortgaging the Earth: The World Bank, Environmental Impoverishment and the Crisis of Development* (London: Earthscan,.) [offprint p8323 and mc HG3881.5.W57 R49]

Taylor, L. [1993]. The World Bank and the environment - the world development report 1992. *World development*. 21(5) 869

Wade, R. 1997. *Greening the Bank: the struggle over the Environment 1970-1995*. In Kapur, D, Lewis J, Webb R (eds.) *The World Bank; its first half century*, vol 2. Brookings Institution press. pp611-734 **HG3881.5 W57 K11**

Werksman J. (ed), 1996 *Greening International Institutions* (London: Earthscan,.) Part III. [mc K3566 G81]

Young Z and Boehmer-Christiansen S: 'The Global Environment Facility: An Institutional Innovation in Need of Guidance?'. *Environmental Politics*, Vol 6 No 1, Spring 1997, pp.193-202.

But also look at these!

<http://www.ifwatchnet.org> Up-to-date critical commentary and videos about IFIs

or this: <http://www.whirledbank.org>

The Bretton Woods monitoring project Aim: to monitor and reform the World Bank and IMF. <http://www.brettonwoodsproject.org/>

The Global Environmental Facility <http://www.gefweb.org/default.htm>

The World Bank <http://www.worldbank.org/>

17. TRADE, FREE TRADE AND GLOBALIZATION

After looking at business and the World Bank, we should now consider trade. Why does trade relate to environment? And how have international organizations, especially the World Trade Organization (WTO) responded?

Questions: *Define the debates concerning trade, product and process*
How have conflict resolution mechanisms changed since the days of GATT?
What is the basis of expertise in defining environmental risks from trade?
What is the basis of opposition to economic globalization and investment?

Lecture (Set) Reading

Eckersley, Robyn. (2004), The Big Chill: The WTO and Multilateral Environmental Agreements. *Global Environmental Politics*, Vol. 4 Issue 2, p24-50 **GE170**

Neumayer, Eric. (2004), The WTO and the Environment: Its Past Record is Better than Critics Believe, but the Future Outlook is Bleak. *Global Environmental Politics*, Vol. 4 Issue 3, p1-8 **GE170**

Class (Required) Reading

Young, Alasdair R. (2005), Picking the Wrong Fight: Why Attacks on the World Trade Organization Pose the Real Threat to National Environmental and Public Health Protection.. *Global Environmental Politics*, Vol. 5 Issue 4, p47-72 **GE170**

DeSombre, Elizabeth R.; Barkin, J. Samuel. (2002), Turtles and Trade: The WTO's Acceptance of Environmental Trade Restrictions. *Global Environmental Politics*, Vol. 2 Issue 1, p12-18 **GE170**

Readings on Biosafety (may be used in week on biodiversity and trade too)

Andrée, Peter (2005) The Cartagena Protocol on Biosafety and Shifts in the Discourse of Precaution, *Global Environmental Politics*, Vol. 5, No. 4, Pages 25-46 **GE170**

Bail, Christoph. (2002) *The Cartagena Protocol on Biosafety : reconciling trade in biotechnology with environment and development* **K3925.B56 C32** [use selectively]

Newell, Peter. (2003), Globalization and the Governance of Biotechnology. *Global Environmental Politics*, Vol. 3 Issue 2, p56-72 **GE170**

Oberthür, Sebastian and Gehring Thomas (2006) Institutional Interaction in Global Environmental Governance: The Case of the Cartagena Protocol and the World Trade Organization, *Global Environmental Politics*, 6:2 1-31 **GE170**

Rosendal, G. Kristin. (2005), Governing GMOs in the EU: A Deviant Case of Environmental Policy-making? *Global Environmental Politics*, Vol. 5 Issue 1, p82-104 **GE170**

Other Readings

Bhagwati, J 1993 The case for free trade, *Scientific American*, November 1993, pp 18-23 Q1.A3 high-use periodicals

Blowfield, M. 1999 Ethical Trade: A Review of Developments and Issues. *Third World Quarterly* (Vol. 20, No. 4, pp. 753-770).

Daly, H 1993 The perils of free trade, *Scientific American*, November 1993, pp 24-29 **Q1.A3**
Harvard Business Review Jan Feb 1997

McCormick, Rachel (2006) A Qualitative Analysis of the WTO's Role on Trade and Environment Issues, *Global Environmental Politics*, Vol. 6, No. 1, Pages 102-124 **GE170**

International Institute for Sustainable Development and United Nations Environment Programme. 2000.

"Environment and Trade: A Handbook," . DOWNLOAD from <http://iisd.ca/trade/handbook>

Robins, N. Sarah Roberts, Jo Abbot. 1999. *Who Benefits? A Social Assessment of Environmentally Driven Trade*. London: IIED **cCHF1413 R65**

Thomas, Urs P.(2004), Trade and the Environment: Stuck in a Political Impasse at the WTO after the Doha and Cancun Ministerial Conferences.. *Global Environmental Politics*, Vol. 4 Issue 3, p9-21 **GE170**

Internet

IIED Sustainable Markets website <http://www.iied.org/SM/index.html>

IISD Linkages - Trade And Sustainable Development <http://www.iisd.ca/linkages/trade/>

18 EXPERTISE, CIVIL SOCIETY AND NORTH–SOUTH CONFLICTS IN ENVIRONMENTAL REGIMES

This lecture now revisits some theoretical topics and updates some of the themes introduced at the start of the course. Much International Relations theory of environment is based on inter-state agreements and the clashes of pessimistic (realist) versus optimistic (liberal, neo-institutional) approaches to state cooperation. But increasingly theorists agree that the role of knowledge regimes and non-state actors are important both at the inter-state and sub-state levels. This lecture looks again at how these knowledge regimes are made. It looks critically at epistemic communities, and the role of formal and informal expertise in establishing and defining environmental problems and policy responses. This, in turn, means drawing on debates about scientific authority, social movements and policy networks. The lecture will look particularly at conflicts about environmental conservation, which will then prepare us to discuss biodiversity next week.

Questions: *What are the debates about epistemic communities as bases for global policy?*
 What is scientific or authoritative expertise? And who participates?
 When can social movements and NGOs claim expertise?
 What does this mean for formulating and implementing 'global' environmental policy?

Please note that some of the readings in Weeks 1 and 2 will also be relevant here, such as those introducing epistemic communities, and the discursive definition of regimes.

Lecture reading

Bäckstrand, Karin. (2003), Civic Science for Sustainability: Reframing the Role of Experts, Policy-Makers and Citizens in Environmental Governance. *Global Environmental Politics*, Vol. 3 Issue 4, p24-41 **GE170**

Ford, Lucy H. (2003), Challenging Global Environmental Governance: Social Movement Agency and Global Civil Society.. *Global Environmental Politics*, Vol. 3 Issue 2, p120-35 **GE170**

Class reading

Ignatow, Gabriel. (2005), From Science to Multiculturalism: Postmodern Trends in Environmental Organizations. *Global Environmental Politics*, Vol. 5 Issue 2, p88-113 **GE170**

Layzer, Judith A.. (2002), Science, Politics and International Environmental Policy. *Global Environmental Politics*, Vol. 2 Issue 3, p118-123 **GE170**

And it would be good if you can see this recent critique of environmental NGOs

Chapin, M. (2004) A challenge to conservationists, *WorldWatch Magazine* Dec 2004 (see public folder)

NB: the books by Dimitrov, Miller and Edwards, Jasanoff and Long-Martello below are especially recommended if you can browse these

Other reading

Bocking, S. (2004) *Nature's experts : science, politics, and the environment*. New Brunswick, N.J : Rutgers University Press.**GE170 B67**

Bramble, Barbara J.and Gareth Porter, 1992 'Non-Governmental Organizations and the Making of US International Environmental Policy', in Andrew Hurrell and Benedict Kingsbury (eds.), *The International Politics of the Environment* (Oxford: Clarendon Press.), pp. 313-53. [cc K3585.6 I61]

Bulkeley, Harriet [2000]. Discourse coalitions and the Australian climate change policy network. *Environment and planning C*. 18(6), 727-748.

Dimitrov, R. (2006) *Science and international environmental policy: regimes and nonregimes in global governance*. Lanham, MD : Rowman & Littlefield. **GE170 D58**

Forsyth, T. (2003) *Critical Political Ecology: the politics of environmental science*, Chapter 7. **cc and norm HC79.E5 F73**

Fisher, Dana R.; Green, Jessica F.. (2004), Understanding Disenfranchisement: Civil Society and Developing Countries' Influence and Participation in Global Governance for Sustainable Development. *Global Environmental Politics*, Vol. 4 Issue 3, p65-84 **GE170**

Goldman, M. (2005) *Imperial nature: the World Bank and struggles for social justice in the age of globalization*. New Haven: Yale University Press.**HG3881.5.W57 G61** [see sections on CBA and how decisions are

made]

- Haas, P et al (editors) 1993 *Institutions for the Earth: sources of effective international environmental protection*. Cambridge, Mass. and London: The MIT Press **cc TD170.2 I51**
- Jasanoff, S and Wynne, B 1998 'Science and decision-making', in, Rayner, S and Malone, E, editors, *Human Choice and Climate Change*, Volume 1, The Societal Framework, Chapter 1, pps 1-87 **QC981.8.C5 H91** (good overview for much of the politics of science)
- Jasanoff and Marybeth Long Martello (eds) (2004) *Earthly politics: local and global in environmental governance*, Cambridge, Mass: MIT Press. **cc GE300 E11**
- Kim, Seoyong [2003]. Irresolvable cultural conflicts and conservation/development arguments: analysis of Korea's Saemangeum project. *Policy sciences*. 36(2) 125-150. **H1**
- Martello, Marybeth Long.(2004),Expert Advice and Desertification Policy: Past Experience and Current Challenges. *Global Environmental Politics*, Vol. 4 Issue 3, p85-106 **GE170**
- Miller, C. and Edwards, P. (eds) (2001) *Changing the atmosphere: expert knowledge and environmental governance*. Cambridge, Mass.: MIT Press. **GE300 C45**
- Per Ove Eikeland, 1994 'US Environmental NGOs: New Strategies for New Environmental Problems?', *Journal of Social, Political and Economic Studies* (Vol. 19, No. 3, Fall). [**mc H1**]
- Ostergren, David; Jacques, Peter. (2002), A Political Economy of Russian Nature Conservation Policy: Why Scientists have Taken a Back Seat. *Global Environmental Politics*, Vol. 2 Issue 4, p102-124 **GE170**
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19. BIODIVERSITY, BIOSAFETY AND TRADE

Biodiversity is another big topic of this course. This first lecture review the problems of defining and valuing biodiversity across cultures and in dynamic physical environments. It then introduces policy approaches by looking at the regulation of international trade in endangered species (CITES); the Convention on Biological Diversity (CBD); the protection of seeds and intellectual property rights; and then a further look at biosafety.

- Questions: *Is biodiversity a systemic or cumulative global environmental problem?*
 What are the classic problems and standoffs in defining 'global' biodiversity?
 Is CITES fair and effective?
 How does the CBD differ as a regime from (say) the Montreal Protocol and UNFCCC?

Lecture reading:

- McGraw, D. (2002) The origins of the CBD' chapter 1 in Le Prestre, Philippe *Governing global biodiversity : the evolution and implementation of the convention on biological diversity* **QH75 G72** [**try and look at this if you can, but currently the LSE only has one copy. The rest of the book has many good chapters on CBD**]

Class reading:

- Cullet, Philippe; Raja, Jawahar. (2004), Intellectual Property Rights and Biodiversity Management: The Case of India. *Global Environmental Politics*, Vol. 4 Issue 1, p97-114 **GE170**
- Mushita, Andrew T.; Thompson, Carol B. (2002), Patenting Biodiversity? Rejecting WTO/TRIPS in Southern Africa.. *Global Environmental Politics*, Vol. 2 Issue 1, p65-82 **GE170**

Biosafety (mention in the lecture on trade too)

- Andrée, Peter (2005) The Cartagena Protocol on Biosafety and Shifts in the Discourse of Precaution, *Global Environmental Politics*, Vol. 5, No. 4, Pages 25-46 **GE170**
- Bail, Christoph. (2002) *The Cartagena Protocol on Biosafety : reconciling trade in biotechnology with environment and development* **K3925.B56 C32** [use selectively]
- Newell, Peter. (2003), Globalization and the Governance of Biotechnology. *Global Environmental Politics*, Vol. 3 Issue 2, p56-72 **GE170**
- Oberthür, Sebastian and Gehring Thomas (2006) Institutional Interaction in Global Environmental Governance: The Case of the Cartagena Protocol and the World Trade Organization, *Global Environmental Politics*,

Rosendal, G. Kristin. (2005), Governing GMOs in the EU: A Deviant Case of Environmental Policy-making? *Global Environmental Politics*, Vol. 5 Issue 1, p82-104 **GE170**

Other readings:

- Artuso_A Bioprospecting, benefit sharing, and biotechnological capacity building *World development*, Aug 2002, Vol.30, No.8, pp.1355-1368
- Barbier_EB Biodiversity, trade and international agreements *Journal of economic studies*, 2000, Vol.27, No.1-2, pp.55-74
- Brand_U, Görg_C The state and the regulation of biodiversity. International biopolitics and the case of Mexico *Geoforum*, May 2003, Vol.34, No.2, pp.221-233
- Coleman_WD, Gabler_M Agricultural biotechnology and regime formation: a constructivist assessment of the prospects *International studies quarterly*, Dec 2002, Vol.46, No.4, pp.481- 506
- Cullet_P Property-rights regimes over biological resources *Environment and planning C*, Oct 2001, Vol.19, No.5, pp.651-664
- Damodaran_A Conflict of trade-facilitating environmental regulations with biodiversity concerns: the case of coffee-farming units in India *World development*, Jul 2002, Vol.30, No.7, pp.1123-1136
- Delgado_GC Bioprospecting and intellectual property as the basis for biotechnological development: the case of Mexico *International journal of politics, culture and society*, Winter 2002, Vol.16, No.2, pp.297-318
- Droege_S, Soete_B Trade-related intellectual property rights, north-south trade, and biological diversity *Environmental & resource economics*, Jun 2001, Vol.19, No.2, pp.149-164
- Kontoleon_A, Swanson_T The willingness to pay for property rights for the Giant Panda: can a charismatic species be an instrument for nature conservation? *Land economics*, Nov 2003, Vol.79, No.4, pp.483-499
- Martens_P, Rotmans_J, deGroot_D Biodiversity: luxury or necessity? *Global environmental change*, Jul 2003, Vol.13, No.2, pp.75-82
- Myers_N, Pimm_S The last extinction? *Foreign policy*, Mar-Apr 2003, No.135, pp.28-29 **[crisis stuff]**
- Roe, Dilys (2002) *Making a killing or making a living? : wildlife trade, trade controls and rural livelihood* **SK355 M23**
- Sand, P. (1997) Commodity or taboo? International regulation and trade in endangered species, *Green Globe Yearbook 1997*, 19-36. **(see public folder) [excellent history of CITES]**

Websites

*Eldis website for biodiversity (good source of information and papers for CBD and trade too)
<http://www.eldis.org/biodiversity/> [this is very useful]

20. BIODIVERSITY, CONSERVATION AND FORESTS

Lastly, but very importantly, we consider forests. These may represent the most difficult arena of global environmental policy because deforestation and forest degradation are cumulative rather than systemic problems; questions of state sovereignty are important; and there is much concern worldwide at both projecting and resisting images about threatened forests and forest peoples. This lecture will review the environmental problems of rainforests in particular, and the various initiatives to achieve a global regime on forests.

Questions: *What are the practical political problems of protecting forests globally?*
 Who are the main actors for and against a global forest regime?
 How have the various trade and NGOs worked to achieve policy?
 How is policy now changing to reflect diverse perspectives at international, national, and local scales? (e.g. debates about Sustainable Forest Management and the 'Ecosystem Approach')

Lecture reading

- Gulbrandsen_LH The evolving forest regime and domestic actors: strategic or normative adaptation? *Environmental politics*, Summer 2003, Vol.12, No.2, pp.95-114
- Dimitrov, Radoslav S. (2005) Hostage to Norms: States, Institutions and Global Forest Politics, *Global Environmental Politics*, Vol. 5, No. 4, Pages 1-24 **GE170**

Class readings:

Gulbrandsen, Lars H..(2004),Overlapping Public and Private Governance: Can Forest Certification Fill the Gaps in the Global Forest Regime? *Global Environmental Politics*, Vol. 4 Issue 2, p75-99 **GE170**

Humphreys, David (2004),Redefining the Issues: NGO Influence on International Forest Negotiations.. *Global Environmental Politics*, Vol. 4 Issue 2, p51-74 **GE170**

Other readings:

Brechin, S. (2003) *Contested nature : promoting international biodiversity with social justice in the twenty-first century* **S944.5.P78 C76**

Campbell_LM (2002) Conservation narratives in Costa Rica: conflict and co-existence *Development and change*, Jan 2002, Vol.33, No.1, pp.29-56 **HD82**

Davenport, Deborah S. (2005), An Alternative Explanation for the Failure of the UNCED Forest Negotiations..

Dauvergne, Peter. (1997) *Shadows in the forest : Japan and the politics of timber in Southeast Asia* **SD387.E58 D24**

Global Environmental Politics, Vol. 5 Issue 1, p105-130 **GE170**

Duffy, R. 2002 Resisting environmentalism: global governance and local disgovernance (see public folder)

Espach, Ralph (2006) When is Sustainable Forestry Sustainable? The Forest Stewardship Council in Argentina and Brazil, *Global Environmental Politics*, Vol. 6, No. 2, Pages 55-84 **GE170**

Fairhead_J, Leach_M Practising 'biodiversity': the articulation of international, national and local science/policy in Guinea *IDS bulletin*, Jan 2002, Vol.33, No.1, pp.102-110

Forsyth, T. (1997) 'Environmental responsibility and business regulation: the case of sustainable tourism' *Geographical Journal* 163:3 270-280. **G7** (some background, plus a review of UK industry in sending people overseas)

Ghimire K. and Michel P. Pimbert.(1997) Social change and conservation : environmental politics and impacts of national **parks** and protected areas London : Earthscan, 1997. **HC79.E5 G41 [1-WK]**

Glastra, R. (1999) Cut and run : illegal *logging* and timber trade in the tropics Ottawa : International Development Research Centre, **SD538.3 C98**

Goodwin, H (et al) (1998) *Tourism, conservation, and sustainable development : case studies from Asia and Africa* London : International Institute for Environment and Development, [1998]. **G155 T72**

Humphreys, D. 1999 The evolving forests regime, *Global Environmental Change* 9: 251-54

Khor, P. (2002) *Intellectual property, biodiversity and sustainable development* : **K1401 K41**

Liang_L, Stocking_M, Brookfield_H, Jansky_L Biodiversity conservation through agrodiversity *Global environmental change*, Apr 2001, Vol.11, No.1, pp.97-101

Schmidt Soltau_K Conservation-related resettlement in Central Africa: environmental and social risks *Development and change*, Jun 2003, Vol.34, No.3, pp.525-551

Stevens S (2003) Tourism and deforestation in the Mt Everest region of Nepal *Geographical Journal*, 2003, Vol. 169, No. 3, pp. 255-277 **G7**

Alternatives to Slash and Burn Website

<http://www.asb.cgiar.org/>

CBD Ecosystem approach

<http://www.biodiv.org/default.aspx>

<http://www.biodiv.org/programmes/areas/marine/ecosystem.asp>

IDS information

http://www.id21.org/publications/Forestry_06.pdf

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