

Political Science 688

International Environmental Policy

Winter 2007

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Seminar: Wednesdays, 2 – 4 h
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Course website: <http://ctools.umich.edu>

Office Hours: Monday 3:15-4:45 h & by appointment

Purpose and Contents

The purpose of this course is to provide an overview to international environmental policy. The course comprises three parts, namely select empirical domains of international environmental policy, overarching conceptual frames that can be applied to many empirical domains, and a specific section on perhaps the academically and politically most pressing challenges, namely managing long-term environmental policy problems. As a result of this course, you should be able to pick a generic international environmental problem, analyze specific conceptual components, and suggest policy options given your knowledge of the case and the conceptual lenses employed.

Course Requirements and Grading

This course combines a structured workshop style setting with a range of paper assignments. I expect students to have read and be able to summarize the readings, but not the recommended readings. You are expected to send me an e-mail by 11 am on the day of the meeting with 3-5 concise suggestions (e.g., self-explanatory bullet points) for discussions. The papers are due as indicated on the next page (format: 1.5- or double-spaced, 11-12 pt. font) and submitted via CTools to your drop box by 6 pm the night before the respective meeting (Papers 1 + 2). The third paper is due by 22 April, following its presentation on 11 April.

Your grade comprises the following components:

- Oral Participation (throughout the course): 25%;
- Paper 1 (Critique of a part of the IR & GCC manuscript, 5 pages): 15%;
- Paper 2 (New solution to the tragedy of the commons dilemma or New Proposal for measuring the effect of international regimes, 5 pages): 25%;
- Paper 3 (Proposal to solve a long-term environmental problem, 15-20 pages): 35%.

Overview

Date	Week	Topic	Assignment
10 Jan.	1	Course Overview	
17 Jan.	2	No Class (see double session on 07 Feb.)	
24 Jan.	3	Overview of International Environmental Policy	
31 Jan.	4	Controversy: The Lomborg Debate	
07 Feb.	5	Climate Change (double session)	Paper 1
14 Feb.	6	No Class	
21 Feb.	7	Biodiversity	
25 Feb – 4 March		Spring Vacation	
07 March	8	Tragedy of the Commons?	Paper 2 (option 1)
14 March	9	Negotiations, Implementation, Compliance	
21 March	10	Regime Effectiveness	Paper 2 (option 2)
28 March	11	Long-Term Environmental Policy (1)	
04 April	12	Long-Term Environmental Policy (2)	
11 April	13	Long-Term Environmental Policy - Presentations	Paper 3 Presentation (Paper due on 22 April)

Schedule and Readings

Week 1 – 10 January: Course Overview

Week 2 – 17 January: No Class (see double session on 07 Feb.)

Week 3 – 24 January: Overview of International Environmental Policy

Betsill, Michele Merrill, Kathryn Hochstetler, and Dimitris Stevis. 2006. *Palgrave Advances in International Environmental Politics*, Basingstoke: Palgrave Macmillan, 13-109. [Reserve]

Mitchell, Ronald B. 2002. International Environment. In *Handbook of International Relations*, edited by T. Risse, B. Simmons and W. Carlsnaes. London: Sage Publications, 500-516, <http://www.uoregon.edu/~rmitchel/resume/2002-HandbookofIR.pdf#search=%22ronald%20mitchell%20%22international%20environment%22%22> (uncorrected proofs).

Sprinz, Detlef F., and Yael Wolinsky-Nahmias, eds. 2004. *Models, Numbers, and Cases: Methods for Studying International Relations*. Ann Arbor, MI: University of Michigan Press, 81-106, 177-192, 317-343. [Reserve + CTools]

Week 4 – 31 January: Controversy: The Lomborg Debate

Lomborg, Bjørn. 2001. *The Skeptical Environmentalist: Measuring the Real State of the World*. Cambridge, MA: Cambridge University Press. [Reserve]

Scientific American. 2002. Misleading Math About the Earth - Science Defends Itself Against The Skeptical Environmentalist. *Scientific American* (January 2002), <http://www.sciam.com/article.cfm?articleID=000F3D47-C6D2-1CEB-93F6809EC5880000&ref=sciame>.

Lomborg, B. 2002. *Bjorn Lomborg's Comments to the 11-Page Critique in January 2002 Scientific American*, <http://www.lomborg.com/files/SABLnoInf2.pdf>.

The Danish Committees on Scientific Dishonesty. 2006. Guilty or Not Guilty? – That is the Question. In *2005 Annual Report*. Copenhagen: Danish Agency for Science, Technology and Innovation, 27, <http://fist.dk/site/english/publications/2006/annual-report-2005-the-danish-committees-on-scientific-disho/annual-report-2005-the-danish-committees-on-scientific-d.pdf>.

See also:

- <http://www.lomborg.com>
- <http://www.anti-lomborg.com>

Recommended Readings

The Economist. 2001. Doomsday Postponed, *The Economist*, 6 September 2001, http://www.economist.com/PrinterFriendly.cfm?Story_ID=770765.

The Economist. 2001. The Truth About the Environment, *The Economist*, 2 August 2001, http://www.economist.com/PrinterFriendly.cfm?Story_ID=718860.

The Economist. 2002. Defending Science, *The Economist*, 31 January 2002, http://www.economist.com/displayStory.cfm?Story_ID=965718.

The Economist. 2002. The Litany and the Heretic, *The Economist*, 31 January 2002, http://www.economist.com/displayStory.cfm?Story_ID=965520.

Week 5 – 07 February: Climate Change (double session)

We will read and critique the revised chapters for a second edition of

Luterbacher, Urs, and Detlef F. Sprinz, eds. 2001. *International Relations and Global Climate Change*. Cambridge, MA: The MIT Press. [Reserve]

The manuscript will be made available around 25 January 2007.

Recommended Readings

Sprinz, D. 2001. Climate Change after Marrakech: The Role of Europe in the Global Arena. *German Foreign Policy in Dialogue - A German E-Newsletter on German Foreign Policy* 2 (6), available on: <http://www.uni-potsdam.de/u/sprinz/pub.html>.

- Victor, David G. 2001. *The Collapse of the Kyoto Protocol and the Struggle to Slow Global Warming*. Princeton, N.J.: Princeton University Press.
- Victor, David G. 2004. *Climate Change: Debating America's Policy Options*. New York, NY: Council on Foreign Relations,
http://www.cfr.org/content/publications/attachments/climate_change.pdf .
- NOAA Paleoclimatology Program: Climate TimeLine Information Pool:
<http://www.ngdc.noaa.gov/paleo/ctl>.

Week 6 – 14 February: No Class

Week 7 – 21 February: Biodiversity

- Le Prestre, Philippe G. 2002. *Governing Global Biodiversity: The Evolution and Implementation of the Convention on Biological Diversity*. Aldershot, Hampshire, England: Ashgate, 1-90, 145-157. [Reserve]
- German Advisory Council on Global Change. 2001. *Conservation and Sustainable Use of the Biosphere*. Sterling, VA: Earthscan, 301-307,
http://www.wbgu.de/wbgu_jg1999_engl.pdf.

25 February – 4 March: Spring Vacation

Week 8 – 07 March: Tragedy of the Commons?

- Hardin, Garrett .1968. The Tragedy of the Commons. *Science* 162:1243-1248,
<http://links.jstor.org/sici?sici=0036-8075%2819681213%293%3A162%3A3859%3C1243%3ATTOTC%3E2.0.CO%3B2-N>.
- Hardin, Garrett. 1998. Extensions of "The Tragedy of the Commons". *Science* 280 (5364):682-683, <http://links.jstor.org/sici?sici=0036-8075%2819980501%293%3A280%3A5364%3C682%3AEO%22TOT%3E2.0.CO%3B2-I>.
- Buck Cox, Susan J. 1985. No Tragedy on the Commons. *Environmental Ethics* 7:49-61, http://dlc.dlib.indiana.edu/archive/00001319/01/buck_NoTragedy.pdf
- Hovi, Jon, and Detlef F. Sprinz. 2006. The Limits of the Law of the Least Ambitious Program. *Global Environmental Politics* 6 (3):28-42,
http://muse.jhu.edu/journals/global_environmental_politics/v006/6.3hovi.pdf.
- Ostrom, Elinor, Joanna Burger, Christopher B. Field, Richard B. Norgaard, and David Policansky. 1999. Revisiting the Commons: Local Lessons, Global Challenges. *Science* 284 (5412):278-282, <http://www.sciencemag.org/cgi/reprint/284/5412/278.pdf>.
- Ostrom, Elinor. 1999. Coping With Tragedies of the Commons. *Annual Review of Political Science* 2:493-535,
<http://arjournals.annualreviews.org/doi/pdf/10.1146/annurev.polisci.2.1.493>.

Recommended Readings

Ostrom, Elinor. 1990. *Governing the Commons. The Evolution of Institutions for Collective Action*. Cambridge: Cambridge University Press, 29-57, 182-216.

Week 9 – 14 March: Negotiations, Implementation, Compliance

Brown Weiss, Edith, and Harold K. Jacobson, eds. 1998. *Engaging Countries - Strengthening Compliance with International Environmental Accords*. Cambridge, MA: MIT Press, 1-18 & 511-554. [Reserve]

Mitchell, Ronald B. 1994. Regime Design Matters: International Oil Pollution and Treaty Compliance. *International Organization* 48 (3):425-458,
<http://links.jstor.org/sici?sici=0020-8183%28199422%2948%3A3%3C425%3ARDMIOP%3E2.0.CO%3B2-9>.

Sprinz, Detlef, and Tapani Vaahtoranta. 1994. The Interest-Based Explanation of International Environmental Policy. *International Organization* 48 (1):77-105,
<http://links.jstor.org/sici?sici=0020-8183%28199424%2948%3A1%3C77%3ATIEOIE%3E2.0.CO%3B2-M>.

Mitchell, Ronald B. 2007. Compliance Theory: Compliance, Effectiveness, and Behavior Change in International Environmental Law. In *Oxford Handbook of International Environmental Law*, edited by J. Brunee, D. Bodansky and E. Hey. Oxford: Oxford University Press, 893-921. [CTools]

Recommended Readings

Dai, Xinyuan. 2005. Why Comply? The Domestic Constituency Mechanism. *International Organization* 59 (2):363-398.

Downs, George W., David M. Roake, and Peter N. Barsoom. 1996. Is the Good News About Compliance Good News About Cooperation? *International Organization* 50 (3):379-406.

Simmons, Beth A. 2000. International Law and State Behavior: Commitment and Compliance in International Monetary Affairs. *The American Political Science Review* 94 (4):819-835.

Von Stein, Jana. 2005. Do Treaties Constrain or Screen? Selection Bias and Treaty Compliance. *American Political Science Review* 99 (04):611-622.

Simmons, Beth A., and Daniel J. Hopkins. 2005. The Constraining Power of International Treaties: Theory and Methods. *American Political Science Review* 99 (4):623-631.

Week 10 – 21 March: Regime Effectiveness

Underdal, Arild. 1992. The Concept of Regime 'Effectiveness'. *Cooperation and Conflict* 27 (3):227-240. [Reserve + CTools]

Helm, Carsten, and Detlef F. Sprinz. 2000. Measuring the Effectiveness of International Environmental Regimes. *Journal of Conflict Resolution* 45 (5):630-652 <http://links.jstor.org/sici?sici=0022-0027%28200010%2944%3A5%3C630%3AMTEOIE%3E2.0.CO%3B2-A>.

- Young, Oran R. 2001. Inferences and Indices: Evaluating the Effectiveness of International Environmental Regimes. *Global Environmental Politics* 1 (1):99-121. [CTools]
- Hovi, Jon, Detlef F. Sprinz, and Arild Underdal. 2003. The Oslo-Potsdam Solution to Measuring Regime Effectiveness: Critique, Response, And Extensions. *Global Environmental Politics* 3 (3):74-96,
http://muse.jhu.edu/journals/global_environmental_politics/v003/3.3hovi01.pdf.
- Young, Oran R. 2003. Determining Regime Effectiveness: A Commentary on the Oslo-Potsdam Solution. *Global Environmental Politics* 3 (3):97-104,
http://muse.jhu.edu/journals/global_environmental_politics/v003/3.3young02.pdf .
- Hovi, Jon, Detlef F. Sprinz, and Arild Underdal. 2003. Regime Effectiveness and the Oslo-Potsdam Solution: A Rejoinder to Oran Young. *Global Environmental Politics* 3 (3):105-107,
http://muse.jhu.edu/journals/global_environmental_politics/v003/3.3hovi02.pdf .

Recommended Readings

- Bernauer, Thomas. 1995. The Effect of International Environmental Institutions: How We Might Learn More. *International Organization* 49 (2):351-77.
- Downs, George W. 2000. Constructing Effective Environmental Regimes. *Annual Review of Political Science* 3 (1):25-42.
- Koremenos, Barbara, Charles Lipson, and Duncan Snidal. 2001. The Rational Design of International Institutions. *International Organization* 55 (4):761-799.
- Koremenos, Barbara, Charles Lipson, and Duncan Snidal. 2001. Rational Design: Looking Back to Move Forward. *International Organization* 55 (4):1051-1082.
- Miles, Edward L., Arild Underdal, Steinar Andresen , Jørgen Wetttestad , Jon Birger Skjærseth, and Elaine M. Carlin 2002. *Environmental Regime Effectiveness: Confronting Theory with Evidence*. Cambridge, MA: The MIT Press.
- Wetttestad, Jørgen. 2001. *Designing Effective Environmental Regimes: The Conditional Keys*. *Global Governance* 7:317-341.
- Sprinz, Detlef F., and Carsten Helm. 1999. The Effect of Global Environmental Regimes: A Measurement Concept. *International Political Science Review* 20 (4):359-369.
- Ringquist, Evan J., and Tatiana Kostadinova. 2005. Assessing the Effectiveness of International Environmental Agreements: The Case of the 1985 Helsinki Protocol. *Am J Political Science* 49 (1):86-102.

Week 11 – 28 March: Long-Term Environmental Policy (1)

- Sprinz, Detlef F. (2006): Long-Term Policy Problems: Definition, Origin, and Responses, prepared for inclusion in *Illuminating the Shadow of the Future: Scientific Prediction and the Human Condition*, edited by Frank Wayman et al., Ann Arbor, MI: The University of Michigan Press, <http://www.uni-potsdam.de/u/sprinz/doc/Sprinz.LoPo.Overview.pdf>
- Stiglitz, Joseph (2006): A New Agenda for Global Warming. *The Economists' Voice* 3 (7), <http://www.bepress.com/cgi/viewcontent.cgi?article=1210&context=ev>.

European Environment Agency (2005): *Climate Change and A European Low-Carbon Energy System*. Copenhagen: European Environment Agency, 9-57,
http://reports.eea.europa.eu/eea_report_2005_1/en/Climate_change-FINAL-web.pdf.

Week 12 – 04 April: Long-Term Environmental Policy (2)

t.b.d.

Week 13 – 11 April: Presentations on Long-Term Environmental Policy