

Detlef Sprinz, Ph.D.
Wirtschafts- und Sozialwissenschaftliche Fakultät
Universität Potsdam

Seminar "Advanced Topics in International Environmental Policy"
Hauptseminar "Ausgewählte Themen der Internationalen Umweltpolitik"
(Internationale Politik & Internationale Politikfeldforschung)
Winter Semester 1998/99

Goals

The purpose of the course is to provide participants with an overview of climate change policy in comparison to other regulatory domains of global environmental policy. In addition, students will be introduced to the economic literature on instruments of international environmental policy.

Logistics

Time: every Wednesday, 21 October - 16 December 1998, 14:00 h (c.t.) - 17:00 h; additional meetings will be scheduled for the presentation of the seminar papers.
Location: Room 4.17.201, location: Park Babelsberg.
Remark: All reading materials can be found in a Seminar folder at the University Library, location: Griebnitzsee (*in progress*).

Prerequisites

Students must have taken introductory courses on "Theories of International Relations" as well as an introductory course on "International Environmental Policy." In case students have not taken the latter course, they are required to familiarize themselves with the material covered in my course taught during the Summer Semester 1998, especially weeks 2-4. Students also must have active e-mail accounts, be able to use the World Wide Web (WWW), and have command of the English language (esp. reading).

Course Requirements

This course combines (i) intensive readings *in advance* of the weekly sessions (beginning with week 2), (ii) preparation of a three-page policy analysis of an important aspect of the 4th Conference of the Parties under the UN Framework Convention on Climate Change, (iii) a 2-page exposé of their term paper, (iv) oral presentation of their term paper, and (v) a 20-page term paper. In addition, oral participation will count towards the course grade.

Office Hours

After the seminar and by appointment.

Contact Address

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Note: I am out of town 31 October - 15 November 1998 and 04 - 08 January 1999.

Some Sources on the World Wide Web (WWW)

Consortium for International Earth Science Information Network (CIESIN) <http://www.ciesin.org>
Convention to Combat Desertification <http://www.unccd.ch>
Econet <http://www.igc.org/igc/econet/index.html>
Environmental Treaties and Resource Indicators (ENTRI) <http://sedac.ciesin.org/pidb/pidb-home.html>
Environmental Negotiations Bulletin (ENB) <http://www.iisd.ca/linkages/climate/climate.html>
European Environment Agency (EEA) <http://www.eea.dk>
International Studies Association (ISA), Environmental Studies Section (ESS)
<http://csf.colorado.edu/isa/sections/ess>
UN Environment Programme (UNEP) <http://www.unep.ch>
UN Framework Convention on Climate Change (Climate Change Secretariat) <http://www.unfccc.de>
UN Ozone Secretariat <http://www.unep.org/unep/secretar/ozone>
US Global Change Research Information Office (GCRI) <http://www.gcric.org>
US Global Change Research Program (USGCRP) <http://www.usgcrp.gov/usgcrp>
Wissenschaftlicher Beirat Globale Umweltveränderungen (WBGU) <http://www.awi-bremerhaven.de/WBGU>
World Bank/Environmentally and Socially Sustainable Development (ESD) <http://www-esd.worldbank.org>
World Resources Institute (WRI) <http://www.wri.org/wri>

For a broad range of WWW-based sources, see the Webpage by Ronald Mitchell:

<http://darkwing.uoregon.edu/~rmitchel/> http

Course Requirements

1. 3-page policy analysis The 3-page policy analysis paper will analyze one important issue (of the student's choice) under negotiation at the 4th Conference of the Parties of the UN Framework Convention on Climate Change (COP-4, 02 - 13 November 1998) (e.g., joint implementation, emissions trading, clean development mechanism, etc.).

For daily reporting, students are encouraged to look at the WWW site of the UN FCCC Secretariat as well as at the ENB site (see above). In addition, ENB offers a free subscription to its very useful CLIMATE-L moderated e-mail mailing list which includes, inter alia, a weekly summary of the media coverage of English-speaking media throughout the year.
- 1.1 Remark: The basic point of the paper is to concentrate on one important aspect of the negotiations and evaluate the relative *progress (which may be negative)* achieved at COP-4 from an International Relations perspective. For concepts, see my course on "Introduction to International Environmental Policy" (Summer Semester 1998).
- 1.2 Submission: Papers have to be submitted (i) via e-mail (on 16 November 1998, 18:00 h) and (ii) in print (at the beginning of the seminar session on 18 November 1998) in identical form. Send the paper as attachment, formatted as MS Word 6.0 or in Rich Text Format (RTF) to dsprinz@pik-potsdam.de
2. Exposé & Term Paper: The term paper will consist of a comparison of climate change policy with (at least) one other domain of global environmental policy (desertification, stratospheric ozone depletion, biodiversity).

- 2.1 Remark: Students will make original contributions by going beyond the material found in the readings and developing explanations of their own. The factual basis should be summarized in compact form. Crucial to the success of the paper is derivation of a phenomenon under investigation (dependent variable) and explanation of variation in the dependent variable by way of independent variables. In order to reduce complexity, please concentrate on a few variables and analyze their effects in depth.
- The term paper is preceded by a 2-page *exposé* which provides a table of contents and concise summary of how the student will approach the term paper. Students will receive comments on their *exposé* prior to their oral presentations. The revised *exposé* will also form the basis for the oral presentation of the term paper. The term paper consists of no more than 20 pages.
- 2.2 Submission: The *exposé* is due on 30 November 1998, noon, via e-mail. The term papers are due on 22 January 1999 via e-mail and, in printed form, via regular postal mail to my office address (see page 1). Send the *exposé* and term papers as attachment, formatted as MS Word 6.0 or in Rich Text Format (RTF) to dsprinz@pik-potsdam.de
3. Format of all Papers At minimum, leave one inch margins from all four edges of A-4 sheets. Footnotes are discouraged, esp. in the policy analysis paper and the *exposé*. All text is 1.5-spaced, 10-12 point font. *Exposés* and papers exceeding the format requirements and page limits will not be accepted.
4. Oral Participation The seminar sessions provide you with the opportunity to discuss the readings and relevant current developments.

Grading

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|-------------------------------------|------|
| 1. Policy Analysis Paper: | 20% |
| 2. <i>Exposé</i> of Term Paper: | 10% |
| 3. Oral Presentation of Term Paper: | 10% |
| 3. (Written) Term Paper: | 40% |
| 4. Oral Participation: | 20%. |

Week 1: 21 October 1998: Course Overview, Requirements, and Introductory Lecture

Overview of the Course & Requirements
Introductory Lecture on Climate Change Policy

Required Readings:

Sprinz, Detlef F. (1998): Internationale Klimapolitik [International Climate Policy], in: Die Friedens-Warte - Blätter für internationale Verständigung und zwischenstaatliche Organsiation, vol. 73 (1), 25-44.

Week 2: 28. Oktober 1998 An Overview of Global Climate Policy

Lecture
Colloquium

Required Readings:

Mackenzie, Fred T. (1998): Our Changing Planet - An Introduction to Earth System Science and Global Environmental Change, Upper Saddle River, N.J.: Prentice Hall, ch. 11, 351-418.

- Bodansky, Daniel (1998): The History of the Global Climate Change Regime, Seattle, WA: The University of Washington, mimeo.
- Kawashima, Yasuko (1997): A Comparative Analysis of the Decision-Making Process of Developed Countries Toward CO₂ Emissions Reduction Targets, in: International Environmental Affairs, vol. 9 (2), 95-126.
- Bodansky, Daniel (1998): International Law and the Design of a Climate Change Regime, Seattle, WA: The University of Washington, mimeo.
- Raustiala, Kal (1998): Non-State Actors and the International Climate Change Regime, Cambridge, MA: Harvard Law School, mimeo.
- Mitchell, Ronald B. (1998): Institutional Aspects of Implementation, Compliance, and Effectiveness, Eugene, OR: The University of Oregon, mimeo.
- Rowlands, Ian (1998): Classical Theories of International Relations, Waterloo, Ontario: University of Waterloo, mimeo.
- Ott, Hermann E. (1998): The Kyoto Protocol - Unfinished Business, in: Environment, vol 40 (6), 17-20, 41-45; a previous version under similar title is available at http://www.wupperinst.org/Seiten/Publikationen/Kyoto_Protokoll.html; also
- Underdal, Arild (1998): Modelling International Negotiations: the Case of Global Climate Change, Paper presented at the Third Pan-European International Relations Conference and Joint Meeting of the European Standing Group for International Relations (ECPR) with the International Studies Association (ISA), 16 - 19 September 1998, Economics University of Vienna (WUW), Vienna, Austria, mimeo.

Additional Readings:

- Brauch, Hans Günter (ed., 1996): Klimapolitik - Naturwissenschaftliche Grundlagen, internationale Regimebildung und Konflikte, ökonomische Analysen sowie nationale Problemerkennung und Politikumsetzung [Climate Policy], Berlin: Springer.
- O'Riordan, Timothy et al. (1998): Institutional Frameworks for Political Action, in: Rayner, Steve and Elizabeth L. Malone (eds.): Human Choice and Climate Change, vol. 1: The Societal Framework, Columbus, OH: Battelle Press, 345-439.
- Paterson, Matthew (1996): Global Warming and Global Politics, London: Routledge.
- Rowlands, Ian H. (1995): The Politics of Global Atmospheric Change, Manchester: Manchester University Press.
- Sprinz, Detlef and Urs Luterbacher (Hrsg., 1996): International Relations and Global Climate Change, PIK-Report No. 21, 2. Auflage, Potsdam Institut für Klimafolgenforschung e.V. (http://www.pik-potsdam.de/dept/soc/e/reports/pr21_1.htm).

Weeks 3 & 4: 04 & 11 November 1998: Fourth Conference of the Parties of the UN Framework Convention on Climate Change

No Classes

- Observation of the Negotiations via WWW and Other Media
 Preparation of Policy Analysis Paper; due on 16 November 1998 (see above)
 Review of Concepts of "Introduction to International Environmental Policy" (for students who have not taken this or a similar course)

Week 5: 18 November 1998 Observations from the Fourth Conference of the Parties of the UN Framework Convention on Climate Change

- Policy Analysis Paper Due (16 November 1998, via e-mail; 18 November 1998, in printed form)
 The Buenos Aires Lecture
 Colloquium & Discussion of Policy Analysis Papers

Weeks 6 & 7: 25 November & 02 December 1998 **Comparing the Regulation of Global Climate Change to Stratospheric Ozone Depletion, Biodiversity, and Desertification**

Lecture
Colloquium
Exposé of Term Paper Due on 30 November 1998

Required Readings:

- Breitmeier, Helmut (1997): Entstehung und Wandel des globalen Regimes zum Schutz der Ozonschicht [Creation and Change of the Global Regimes to Protect the Stratospheric Ozone Layer], in: Gehring, Thomas and Sebastian Oberthür (1997, eds.): Internationale Umweltregime: Umweltschutz durch Verhandlungen und Verträge [International Environmental Regimes: Environmental Protection by Way of Bargaining and Law], Opladen: Leske+Budrich, 27-44 (Location at the University of Potsdam, Reading Room: MK 8900 INT).
- Henne, Gudrun (1997): Das Regime über die biologische Vielfalt von 1992 [The Regime on Biological Biodiversity of 1992], in: Gehring, Thomas and Sebastian Oberthür (1997, eds.): Internationale Umweltregime: Umweltschutz durch Verhandlungen und Verträge [International Environmental Regimes: Environmental Protection Resulting from Bargaining and Agreements], Opladen: Leske+Budrich, 185-200 (Location at the University of Potsdam, Reading Room: MK 8900 INT).
- Chasek, Pamela S. (1997): The Convention to Combat Desertification: Lessons Learned for Sustainable Development, in: The Journal of Environment & Development, vol. 6 (2), 147-169.
- Wissenschaftlicher Beirat Globale Umweltveränderungen (1995): Welt im Wandel: Wege zur Lösung globaler Umweltprobleme (WBGU-Jahresgutachten 1995), Berlin: Springer (http://www.awi-bremerhaven.de/WBGU/wbgu_jg1995.html). chs. C1-C2 & C4-C5, 99-135, 157-177; *also available in English.*

Additional Readings:

- Benedick, Richard E. (1998): Ozone Diplomacy - New Directions in Safeguarding the Planet, Cambridge, MA: Harvard University Press.
- Oberthür, Sebastian (1997): Umweltschutz durch internationale Regime - Interessen, Verhandlungsprozesse, Wirkungen [Environmental Protection Resulting from International Regimes: Interests, Negotiation Processes, Impacts], Opladen: Leske + Budrich, ch. 3, 73-141.
- Parson, Edward A. (1993): Protecting the Ozone Layer, in: Haas, Peter M. et al. (ed.): Institutions for the Earth - Sources of Effective International Environmental Protection, Cambridge, MA: MIT Press, 27-73.
- Soroos, Marvin S. (1997): The Endangered Atmosphere - Preserving a Global Commons, Columbia, S.C.: University of South Carolina Press, ch 6: "The Ozone Layer Regime," 147-175.
- Sprinz, Detlef and Tapani Vaahoranta (1994): The Interest-Based Explanation of International Environmental Policy, in: International Organization, vol. 48 (1), 77-105.
- Steinberg, Paul F. (1998): Defining the Global Biodiversity Mandate - Implications for International Policy, in: International Environmental Affairs, vol. 10 (2), 112-130.
- Szell, Patrick (1993): Negotiations on the Ozone Layer, in: Sjøstedt, Gunnar (ed.): International Environmental Negotiation, Newbury Park: Sage Publications, 31-47.

Week 8: 09 December 1998 **The Economics of International Environmental Policy (Part 1): Efficiency, Allocation, and Taxes**

Lecture
Colloquium

Required Readings:

Tietenberg, Tom (1992): Environmental and Natural Resource Economics, third edition, New York, N.Y.: Harper Collins, chs. 2-4 &6, 18-99, 125-152.

Krumm, Raimund (1995): Internationale Umweltpolitik - Eine Analyse aus umweltökonomischer Sicht [International Environmental Policy - An Environmental Economics Perspective], Berlin: Springer, chs. 2-4, 10-102.

Hamwey, Robert M. (1998): A Sustainable Framework for Joint Implementation, in: International Environmental Affairs, vol. 10 (2), 79-97.

Week 9: 16 December 1998 **The Economics of International Environmental Policy (Part 2): Unilateralism and Coalitions**

Lecture

Colloquium

Required Readings:

Krumm, Raimund (1995): Internationale Umweltpolitik - Eine Analyse aus umweltökonomischer Sicht [International Environmental Policy - An Environmental Economics Perspective], Berlin: Springer, chs. 5-8, 103-201.

Term Paper Due on 22 January 1999