

Seminar "Climate Policy: National, European, Global"
(Hauptseminar "Klimapolitik: national, europäisch, global")
(*Internationale Politik*)
Summer Term 2001

Goals

The purpose of this course on climate policy is to provide students with an overview of climate change policy at three levels of analysis and to introduce them to policy-relevant modeling. These include the national, European, and global levels of analysis and permit students to explore the multi-level aspects of governance by way of the example of global climate change. The course combines lectures by the instructor, guest lectures, and workshop-style meetings with classical (individual) student review papers as well as with group simulation exercises.

Logistics

Time: Wednesdays, 18 April – 29 June 2001, 14:15 h – 16:00 h *plus* additional classes (see weekly schedule for details)
Location: Room 3.01.1.14 (Building 1), location: Griebnitzsee (see weekly schedule for exceptions).
Remark: All reading materials can be found in a Seminar folder at the University Library ("Handapparat"), location: Griebnitzsee.

Prerequisites

Students must have taken introductory courses in international relations and social science methodology (e.g., an introductory statistics course) and have passed the "Vordiplom," "Zwischenprüfung," or equivalent level examinations (e.g., B.A.). Students also must have reliable and active e-mail accounts, be able to use the World Wide Web (WWW), have command of the English language, and follow current events on climate change policy. Students are *not* expected to have taken prior courses in international environmental policy or simulation techniques.

Course Requirements

This course combines

- (i) intensive readings *in advance* of the weekly sessions (beginning with week 2),
- (ii) a series of short papers and simulation exercises (see weekly listings for details), and
- (iii) oral participation.

Please advise the instructor if you do not need the standard course certificate ("Leistungsschein").

Office Hours

After the seminar and by appointment.

Contact Address

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Course Webpage: <http://www.sprinz.org> or <http://www.uni-potsdam.de/u/sprinz>.

In case of problems with the webpage or course materials, please contact my assistants Martin Weiss for the webpage (mweiss@rz.uni-potsdam.de) or Marco Overhaus for course materials (overhaus@rz.uni-potsdam.de).

Overview

Part	Week	Topic	Assignment
1. Introduction	1	Course Overview & Historical Overview of Climate Change Policy	
	2	Natural Science Foundations of Global Climate Change (guest lecture)	
	3	Central Dimensions of Climate Change Policy	
	4	Introduction to Policy Forecaster Simulation Tool	
2. German Climate Policy	5	German Climate Change Policy (guest lecture)	actor paper
	6	Simulation: German Climate Change Policy	simulation paper
(ad. 4.)	7	US Climate Change Policy (guest lecture)	
3. European Climate Change Policy	8	European Climate Change Policy (guest lecture)	actor paper
	9	Simulation: European Climate Change Policy	simulation paper
4. Global Climate Change Policy	10	Global Climate Change Policy (guest lecture)	actor paper
	11A	Simulation: Global Climate Change Policy	simulation paper
5. Review	11B	Review: What Have We Learnt?	course evaluation

Course Requirements

1. Six short papers

The papers will be written according to the weekly schedule. Papers may be written in German or English. Following the introduction to the simulation software in Week 4, we will normally alternate between a paper providing the factual basis on one aspect of climate change policy ("background papers") to be followed by a paper which summarizes the group simulations of one aspect of climate change during the following week ("simulation papers"). Background papers will be written by each student and graded individually; they will be made available to all students either by e-mail or via the webpage to assist their preparation of their group simulation papers. Simulation papers are written by small groups of students.

1.1 Remarks:

It is crucial to check the input format for the simulation software (see week 4) before writing the background paper or starting the simulation exercises. The *background* papers will be actor-centered (e.g., the Federal Ministry of the Environment) and research their respective policy positions; students will be pre-assigned to actors by the instructor on a random basis. The *simulation* papers will use all of the background papers to model policy outcomes along a variety of dimensions; the instructor will pre-assign students to specific simulation groups on a random basis. The composition of simulation groups varies by assignment. The required and additional readings, the list of [weblinks](#) on my webpage, as well as the shared background papers (for the simulation papers only) provide points of departure for successfully completing the simulation paper assignments.

Background papers will be no longer than two pages (plus sources), simulation papers will not exceed three pages (plus supporting simulation output). Note: It is harder to write a convincing two- or three-page paper than a long term-paper!

- 1.2 Format: At minimum, leave one inch margins from all four edges of A-4 sheets. Footnotes are discouraged. All text is 1.5-spaced, 10-12 point font. Papers exceeding the format requirements will not be accepted. Papers should start with the first and last name of the author(s), student identification number(s), week (see this syllabus), and topic. See the [course webpage](#) for a downloadable, preformatted file.
- 1.3 Submission: Papers have to be submitted no later than the due date listed in the weekly schedule. Send the paper as attachment, formatted as Rich Text Format (RTF), to dsprinz@rz.uni-potsdam.de. Deadline is the Tuesday preceding the seminar session, 15:30 h (see weekly schedule for details). Students are responsible for checking their submissions for virus problems (incl. macro viruses), e.g. the [virus software](#) supplied by the University of Potsdam. Timely submission will be rewarded by a bonus (see below).
- 1.4 Late Submission: Students have to submit potentially missing papers no later than 20 July 2001 (end of lecture period) via e-mail *and* by regular mail (see addresses on page 1). Submissions following this deadline will not be accepted.
2. Oral Participation The colloquium style of the course provides you with the opportunity to discuss the readings and relevant current developments as relevant to the topics covered in this course.

Grading

1. Short Papers: *Five* best (out of six) short papers, each weighting 15%. Total=75%.
2. Oral Participation: 25%.

Note: Papers submitted by the due date will be given a *bonus* of one third of a grade point. Verification is by the timestamp embossed in the e-mail by the University of Potsdam Server. Even if you submit late, you will be able to get the maximum grade, however, having a bonus enhances the likelihood of receiving a good course grade. In enforcing this submission policy, this instructor accepts delays caused by the University of Potsdam internet facilities. All students are entitled to free [Internet technology facilities](#) by the University of Potsdam as well as relevant training in how to use them. Problems caused by outside internet technology providers are at the risk of the student (e.g., server is down, problems with file attachments, etc.).

Staying Up-To-Date on Climate Change Policy

In order to keep up with current climate change policy, I recommend that students consult daily national and international newspapers, TV, radio, use search engines on the WWW, and take advantage of specialized services. On the "Links" section of my [webpage](#), you will find a rich array of relevant sources. In addition, I recommend to subscribe to the moderated climate change e-mail list ([climate-1](#)) of the International Institute for Sustainable Development, free of charge, at [IISD mailing lists](#).

Week 1: 18 April 2001

**Course Overview & Historical Overview of
Climate Change Policy**

Overview of the Course & Requirements
Introductory Lecture: Historical Overview of Climate Change Policy

Week 2: 25 April 2001

**Natural Science Foundations of Global Climate
Change**

*Guest Lecture by
Galina Churkina, Ph.D.*

([Max-Planck-Institute for Biogeochemistry, Jena, Germany](#))

Guest Lecture
Colloquium

Required Readings:

Mackenzie, Fred T. (1998): Our Changing Planet - An Introduction to Earth System Science and Global Environmental Change, second edition, Upper Saddle River, N.J.: Prentice Hall, 351-402, 437-438.

IPCC (2001): Third Assessment Report: Contributions of IPCC Working Groups, [Summaries for policymakers, WG I "Climate Change 2001: The Scientific Basis" and WG II "Climate Change 2001: Impacts, Adaptation and Vulnerability"](#).

Week 3: 02 May 2001:

Central Dimensions of Climate Change Policy

Introductory Lecture
Colloquium
Sign-Up Sheet for Background Papers

Required Readings:

Sprinz, Detlef F. (1998): Internationale Klimapolitik, in: Die Friedens-Warte - Blätter für internationale Verständigung und zwischenstaatliche Organisation, vol. 73 (1), 25-44.

Luterbacher, Urs and Detlef Sprinz (eds., 2001): International Relations and Global Climate Change, Cambridge, MA: The MIT Press, chs. 2 - 5, 10 - 11 (galley proofs).

The Economist (2001): [Oh no, Kyoto](#), 05 Apr. 2001.

Additional Readings:

IPCC (2001): Third Assessment Report: Contributions of IPCC Working Groups, [Summaries for policymakers, WG III "Climate Change 2001: Mitigation"](#)

Luterbacher, Urs and Detlef Sprinz (eds., 2001): International Relations and Global Climate Change, Cambridge, MA: The MIT Press (galley proofs).

Soroos, Marvin S. (1997): The Endangered Atmosphere - Preserving a Global Commons, Columbia, S.C.: University of South Carolina Press, ch. 7, 176-207.

Week 4: 09 May 2001:

**Introduction to Policy Forecaster Simulation
Tool**

Introductory Lecture (Detlef Sprinz), 14-16 h.

Introductory Practice Session (Martin Weiss), 18-20 h, 3.01.165a, (Schulungspool Zeik III).

Questions & Answers (Detlef Sprinz & Martin Weiss), 18-20 h.

Allocation to Simulation Groups by the Course Instructor, 18-20 h.

Note: Students shall participate in both parts of the introduction to simulation as they are indispensable for writing the background and simulation papers. Students will be assigned to groups for the first simulation (week 6) after the questions & answers period (18-20 h) .

Required Readings:

Bueno de Mesquita, Bruce (2000): Principles of International Politics, Washington, D.C.: CQ Press, 501-535; also consult the website <http://bdm.cqpress.com>.

Frei, Daniel and Dieter Ruloff (1989): Handbook of Foreign Policy Analysis: Methods for Practical Application in Foreign Policy Planning, Strategic Planning and Business Risk Assessment, Dordrecht: Martinus Nijhoff Publishers, 218-223. [UB: 3000 = MK 1300 FRE]

Additional Readings:

Bueno de Mesquita, Bruce et al. (1985): Forecasting Political Events - The Future of Hong Kong, New Haven: Yale University Press.

Bueno de Mesquita, Bruce and Frans N. Stokman (eds., 1994): European Community Decision-Making: Models, Applications, and Comparisons, New Haven: Yale University Press [UB: MK 5100; MD 7300].

Luterbacher, Urs and Detlef Sprinz (eds., 2001): International Relations and Global Climate Change, Cambridge, MA: The MIT Press, chs. 8 - 9 (galley proofs).

Week 5: 16 May 2001:

German Climate Change Policy

*Guest Lecture by
Kai Schlegelmilch,*

*([Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit,
Berlin, Germany](#))*

First Actor Paper Due on Tuesday, 15 May 2001, at 15:30 h.

Guest Lecture

Colloquium

Required Readings:

Böckem, Alexandra (2000): [Klimapolitik in Deutschland: Eine Problemanalyse aus Expertensicht](#). Hamburg: HWWA.

Hasselmeier, Gesine and Jørgen Wettstad (2000): Climate Policy Ambitiousness: Just a Side-Effect of Reunification? FNI-Report 2/2000, Lysaker: Fridtjof Nansens Institute.

Huber, Michael (1997): Leadership and Unification: Climate Change Policies in Germany, in: Collier, Ute and Ragnar E. Löfstedt (eds.): Cases in Climate Change Policy: Political Reality in the European Union, London: Earthscan, 65-86.

Additional Readings:

- Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit. [Klimaschutz](#) (webpage).
- Böckem, Alexandra (1999): [Umsetzungsprobleme in der deutschen Klimapolitik: Eine empirische Überprüfung polit-ökonomischer Erklärungsansätze](#). Hamburg: HWWA.
- Ganseforth, Monika (1996): Politische Umsetzung der Empfehlungen der beiden Klima-Enquête-Kommissionen (1987-1994) – Eine Bewertung, in: Brauch, Hans Günter (ed.): Klimapolitik, Berlin: Springer, 215-224.
- Kords, Udo (1996): Tätigkeit und Handlungsempfehlungen der beiden Klima-Enquête-Kommissionen des Deutschen Bundestages (1987-1994), in: Brauch, Hans Günter (ed.): Klimapolitik, Berlin: Springer, 203-214.
- Loske, Reinhard. MdB. [Seminare zum Klimaschutz](#) (webpage).
- WBGU (1997): [Ziele für den Klimaschutz 1997: Stellungnahme zur dritten Vertragsstaatenkonferenz der Klimarahmenkonvention in Kyoto](#), Bremerhaven: WBGU.

Actor Assignment:

Please research and code one actor's position, resource and salience (see week 4) for each of the following issues:

1. German national reduction goal for CO₂ until 2005 (ca. 1990).
2. Additional German policies discussed beginning 1997 for the achievement of the goal set in 1.
3. German position on emission reductions in early 1997 prior to COP-3.

Actors: Federal Ministry of Environment, German Industry Association, Enquete Commissions of the German Parliament, Forum Environment & Development, Greenpeace Germany, and WWF Germany.

Week 6: 23 May 2001:

Simulation: German Climate Change Policy

First Simulation Paper Due on Tuesday, 22 May 2001, at 15:30 h.
Presentation and Discussion of Simulations

Simulation Assignment:

Following allocation to one simulation group by the instructor, please simulate the outcomes of national political negotiations for one of the assignments for week 5.

Note: Please check the required and additional readings for week 5 as points of departure in preparing the simulation. The instructor will ask one member of the various simulation teams (based on random choice) to present the data inputs, simulation results, and evaluation of the simulation results.

Week 7: 28 or 29 May 2001

US Climate Change Policy

place and time to be announced.

Guest Lecture by

[Prof. Marvin Soroos](#)

*(Department of Political Science & Public Administration,
North Carolina State University, Raleigh, N.C., USA)*

Note: *This lecture serves, inter alia, as an indispensable part of preparing for weeks 10 & 11A (global climate change policy).*

Required Readings:

- Skolnikoff, Eugene B. (1997): Same Science, Differing Policies: The Saga of Global Climate Change, MIT Joint Program on the Science and Policy of Global Change, Report #22, Cambridge, MA: MIT.
- Soroos, Marvin S. (2001): Global Climate Change and the Futility of the Kyoto Process, unpublished manuscript, Department of Political Science & Public Administration, Raleigh, N.C.: North Carolina State University.
- Soroos, Marvin S. (2000): Political Science and Global Climate Change, unpublished manuscript, Department of Political Science & Public Administration, Raleigh, N.C.: North Carolina State University.
- Time Magazine (2001): A Climate of Despair, 02 April 2001.

Additional Readings:

- Agrawala, Shardul and Steinar Andresen (1999): Evolution of the Negotiating Positions of the United States in the Global Climate Change Regime, FNI-Report 14/1999, Lysaker: Fritjof Nansens Institute.
- Harris, Paul G. (ed. 2000): Climate Change and American Foreign Policy. New York: St. Martin's Press.
- Müller, Benito (2000): The Kyoto Protocol: Does US Ratification Really Matter?, Oxford Institute for Energy Studies (OIES), Monthly Comment, February 2000.
- Yahoo, Global Warming & Climate Change (webpage).

Week 8: 06 June 2001

European Climate Change Policy

Guest Lecture by

Martin Weiss

[\(Potsdam Institute for Climate Impact Research, Potsdam, Germany\)](#)

Second Actor Paper Due on Tuesday, 05 June 2001, at 15:30 h.

Guest Lecture
Colloquium

Required Readings:

- Böckem, Alexandra (1998): Die Bedeutung der EU-Institutionen in der Klimapolitik. Hamburg: HWWA.
- Ringius, Lasse (1997): Differentiation, Leaders and Fairness. Negotiating Climate Commitments in the European Community, CICERO-Report 8/1997, Oslo, CICERO.
- Wagner, Jay P. (1997): The Climate Change Policy of the European Union, in: Fermann, Gunnar (ed.). International Politics of Climate Change, Oslo: Scandinavian University Press, 297-340.

Additional Readings:

- Ringius, Lasse (1999): [The European Community and Climate Protection](#), CICERO-Report 8/1999, Oslo: CICERO.
- Barnes, Pamela M. und Ian G. Barnes (eds., 1999): [Environmental Policy in the European Union](#). Cheltenham, UK: Edward Elgar.
- Holzinger, Katharina und Peter Knoepfel (eds., 2000): [Environmental Policy in a European Union of Variable Geometry? The Challenge of the Next Enlargement](#). Basel: Helbing & Lichtenhahn.
- Knill, Christoph and Andrea Lenschow (eds., 2000): [Implementing EU Environmental Policy: New Directions and Old Problems](#), Manchester: Manchester University Press.
- Liberatore, Angela (1997): [The European Union: Bridging Domestic and International Environmental Policy-Making](#), in: Schreurs, Miranda A. and Elizabeth Economy (eds.): [The Internationalization of Environmental Protection](#), Cambridge: Cambridge University Press.
- Weiß, Martin (2001): [Die Klimaschutzpolitik der Europäischen Union und ihrer Mitgliedstaaten](#). Diplomarbeit an der Wirtschafts- und Sozialwissenschaftlichen Fakultät der Universität Potsdam, Potsdam: Universität Potsdam.

Actor Assignment:

Please research and code one actor's position, resource and salience (see week 4) for each of the following issues:

1. EU position on its combined emission reductions in spring 1997 (internal EU agreement).
2. EU position on the extent of use of the flexible or Kyoto mechanisms (late 2000/early 2001).
3. EU position on the degree of the inclusion of sinks (late 2000/early 2001).
4. EU position on the ratification of the Kyoto Protocol in view of the reluctance of the USA (spring 2001).

Actors: European Commission, European Presidency, Denmark, France, Germany, Spain, U.K., European Environmental Bureau, Climate Network Europe, UNICE.

Week 9: 13 June 2001

Simulation: European Climate Change Policy

Second Simulation Paper Due on Tuesday, 12 June 2001, at 15:30 h.
Presentation and Discussion of Simulations

Simulation Assignment:

Following allocation to one simulation group by the instructor, please simulate the outcomes of European political negotiations for one of the assignments for week 8.

Note: Please check the required and additional readings for week 8 as points of departure in preparing the simulation. The instructor will ask one member of the various simulation teams (based on random choice) to present the data inputs, simulation results, and evaluation of the simulation results.

Week 10: 20 June 2001

Global Climate Change Policy

*Guest Lecture by
Dr. Herrmann Ott
([German Foreign Office, Berlin, Germany](#))*

Third Actor Paper Due on Tuesday, 19 June 2001, at 15:30 h.
Guest Lecture
Colloquium

Required Readings:

Oberthür, Sebastian and Hermann E. Ott (1999): The Kyoto Protocol, Berlin: Springer, chs. 2, 6, 7 & 25.

Additional Readings:

Agrawala, Shardul and Steinar Andresen (1999): Evolution of the Negotiating Positions of the United States in the Global Climate Change Regime, FNI-Report 14/1999, Lysaker: Fritjof Nansens Institute.

Gupta, Joyeeta and Nicolien van der Grijp (1999): European Union Leadership on Climate Change: Perceptions, Strengths and Weaknesses and Scenarios. Research Report E-99/04. Amsterdam: Institute for Environmental Studies, chs. 1 & 3.

Müller, Benito (2000): The Kyoto Protocol: Does US Ratification Really Matter?, Oxford Institute for Energy Studies (OIES), Monthly Comment, February 2000.

Oberthür, Sebastian and Hermann E. Ott (1999): The Kyoto Protocol, Berlin: Springer.

Quennet-Thielen, Cornelia (1996): Stand der internationalen Klimaverhandlungen nach dem Klimagipfel in Berlin, in: Brauch, Hans Günter (ed.): Klimapolitik, Berlin: Springer, 75-86.

Zhang, Zhong Xiang (2000): Can China Afford to Commit itself an Emissions Cap? An Economic and Political Analysis, in: Energy Economics, vol 22 (6), 587-614.

Actor Assignment:

Please research and code one actor's position, resource and salience (see week 4) for each of the following issues:

1. Position on emission reductions in spring 1997 (prior to COP-3).
2. Position on the extent of use of the flexible or Kyoto mechanisms (late 2000/early 2001).
3. Position on the degree of the inclusion of sinks (late 2000/early 2001).
4. Position on the ratification of the Kyoto Protocol in view of the reluctance of the USA (spring 2001).

Actors: Alliance of Small Island States, Brazil, India, Japan, Russia, USA, IPCC, Global Climate Coalition, Greenpeace International, Climate Action Network.

Week 11A: 27 June 2001:

Simulation: Global Climate Change Policy

Third Simulation Paper Due on Tuesday, 26 June 2001, at 15:30 h.
Presentation and Discussion of Simulations

Simulation Assignment:

Following allocation to one simulation group by the instructor, please simulate the outcomes of global political negotiations for one of the assignments for week 10.

Note: Please check the required and additional readings for week 7 and 10 as points of departure in preparing the simulation. The instructor will ask one member of the various simulation teams (based on random choice) to present the data inputs, simulation results, and evaluation of the simulation results.

Week 11B: 29 June 2001

Review: What Have We Learnt?

Note: This session will take place on 29 June 2001, *beginning 18 h.* Place to be determined.

Required Readings:

Luterbacher, Urs and Detlef Sprinz (eds., 2001): International Relations and Global Climate Change, Cambridge, MA: The MIT Press, chs. 12 & 14 (galley proofs).