

Global Climate Governance

PLSC 142 01 (12629)/PLSC 676 01 (14081)/EVST 143 01 (12630)

Fall 2017

Professor Detlef F. Sprinz, Ph.D.

Purpose and Contents

This seminar provides an overview of global climate governance, incl. overarching conceptual frameworks, a variety of empirical subdomains, interlinkages with other policy fields, and central challenges encountered in global climate governance. Using a portfolio approach to examinations, students will prepare a range of individual and group assignments throughout the semester.

Logistics

Time & Location: Tuesdays, 9:25-11:15 am, Rosenkranz 102 (for exceptions and changes: →Course Overview & announcements on →Canvas)

Prerequisites: M.A. or Ph.D. student status in Political Science or related discipline; undergraduates: preference given to students with relevant prior courses in international relations, comparative politics, environmental policy, and/or environmental economics

Course Registration: Student Information Systems →<http://sfas.yale.edu/sis>

Deadline for Dropping the Course: → <http://catalog.yale.edu/ycps/calendar> (for undergraduates: 11-13 Sept. 2017, depending on student status)

Capacity: 18 students (permission of instructor required).

Credit Points: 3

Course website: Canvas →<https://canvas.yale.edu>

Contact Details:

detlef.sprinz@yale.edu (include “GCG Fall 2017” in the subject line)

www.sprinz.org

Office Hours: Tuesdays: 11:30am-12:15 pm

Wednesdays: 1:45-2:30 pm

Rosenkranz Hall, room 334

Please book via →Canvas→Calendar→Scheduler

Administrative Assistant: Ms. Sophie Gottfried (sophie.gottfried@yale.edu)

Learning Goals

Knowledge

Students will:

- gain an overview of theoretical concepts and empirical domains of global climate governance and
- understand the strategic challenges in managing long-term climate policy challenges.

Skills

Students will undertake a range of assignments, both individually and in small groups. In particular, they will broaden their skills basis by

- introducing the class to two mandatory readings,
- defending or rejecting a central tenet of global climate governance, and
- responding to a central and hitherto unsolved global climate policy challenge.

Competences

Students will:

- apply a range of concepts and methods to generic global climate governance challenges,
- diagnose as well as propose remedies for long-term environmental climate challenges, and
- work individually as well as in groups on a diverse set of assignments.

Code of Conduct

All students are assumed to be familiar with and will abide by the rules of proper academic conduct as specified by Yale University and its academic programs and schools (→<http://catalog.yale.edu/undergraduate-regulations/policies/definitions-plagiarism-cheating>). You are expected to undertake all your *individual* assignments independently. For *group* assignments, resulting products shall be authored exclusively by all group members (with individual components clearly marked).

Select students appear to have fallen in love with around-the-clock connectivity and social media. During our seminar sessions, I expect you to concentrate on this course.

All personal information that you encounter in conjunction with this course or on Canvas shall be exclusively used for course-related purposes.

If you have registered with the Resource Office on Disabilities (→<http://rod.yale.edu/student-information>), please inform the instructor, via email, no later than the last day for adding courses.

In case observation of religious obligations interferes with academic deadlines, please notify the instructor well ahead of the deadline.

Course Requirements and Grading

Students are expected to attend all classes and read the required readings before class so as to allow for informed discussions.

This course comprises a portfolio of assignments.

<i>Requirements</i>	<i>Weight</i>
Oral Participation throughout the course	20%
Assignment #1: Memo & oral presentation of one journal article, paper, or chapter	12.5%
Assignment #2: Memo & oral presentation of one journal article, paper, or chapter	12.5%
Assignment #3: Parliamentary debate (individual)	15%
Assignment #4: Solutions to a Specific Global Climate Policy Challenge (individual or group assignment - depending on student status; video, Q&A, and paper)	40%

Course Overview

Module	Date	Time	Topic	Assignment or Remarks
1	05 Sep. 2017	9:25-11:15 am	Course Overview (instructor) & The Science of Climate Change	Guest Lecture: Dr. Galina Churkina (Yale School of Forestry & Environmental Studies): Natural Science Foundations of Climate Change
2	12 Sep. 2017	9:25-11:15 am	Climate Change as a Long-Term Policy Challenge	Students will play a long-term policy game, Assignment #1
3	19 Sep. 2017	9:25-11:15 am	Global Climate Negotiations: History	Assignment #1
4	26 Sep. 2017	9:25-11:15 am	Actors I: Countries	Assignment #1
5	03 Oct. 2017	9:25-11:15 am	Actors II: Non-State Actors	Assignment #1
6	10 Oct. 2017	8:30-10:20 am	Compliance & Implementation	Assignment #2
	24 Oct. 2017	9:25-11:15 am	no class	
7	31 Oct. 2017	9:25-11:15 am	Effective Climate Governance?	Assignment #2
8	07 Nov. 2017	9:25-11:15 am	Compensation/Loss & Damage	Assignment #2 Assignment #3: Assignment to pro vs. con groups
9	14 Nov. 2017	9:25-11:15 am	Modeling Global Climate Negotiations, incl. Climate Clubs	Assignment #2 Assignment #4: Suggested Topics will be announced
10	29 Nov. 2017	5:10-7:00pm, Rosenkranz 06	Parliamentary Debate: "Do global climate negotiations 'prevent dangerous anthropogenic interference with the climate	Assignment #3: Parliamentary Debate

			system'?"	
11	28 Nov. 2017	9:25-11:15 am	Climate Policy and Trade Guest Lecture: Prof. Michaël Aklın (University of Pittsburgh, via video)	Assignment #2
12	05 Dec. 2017	9:25-11:15 am	Solutions to Specific Climate Policy Challenge	Assignment #4: Overarching Global Environmental Politics Challenge #4: Video due on 03 Dec. 2017; Q&A on 05 Dec. 2017 #4: Paper due on 17 Dec. 2017, 6pm
	12 Dec. 2017	9:25-11:15 am	Backup Session: t.b.d.	

Textbook & Readings:

Sprinz, Detlef F., and Urs Luterbacher. forthcoming. *Global Climate Change in an International Context*. Cambridge, MA: The MIT Press (*electronic, unedited manuscript*) →*Canvas*.

All readings can be found on →*Canvas*, incl. the →*Course Reserves*.

Assignments

All Assignments

Assignments will be posted to →*Canvas* well ahead of the deadline. Submission deadlines are indicated on the →*Course Overview*.

When composing your individual or group papers, your emphasis is *not* on reviewing the material covered in the required readings; it is assumed that you have read it. Read the instructions carefully (!), build on the required readings, and innovate in a way not found in the required readings. Leave the reader with the impression that *your* ideas (either individual or as a group) have been carefully chosen and could be expanded upon in a longer research paper. Please note that keeping it short is the art of structuring one’s mind and concentrating on the main points rather than on peripheral considerations. It is more difficult to write a convincing short paper than a long paper!

All papers include your student ID number(s), assignment number (see overview), and word count on the first page. At a minimum, leave one inch margins from all four edges of letter-sized sheets. Footnotes shall be kept to a minimum. All text is 1.5-spaced, 11-12 point font. Paper length will be strictly enforced (the word count includes literally everything). Papers shall be submitted – in PDF format – via →*Canvas* by the due date and time (→*Assignment*). Extensions will be granted only under extraordinary circumstances, following written petition to the instructor (graduate students) or college dean (undergraduate students).

For proper citation, please consult <http://ctl.yale.edu/writing/using-sources>.

In case of group assignments, all author ID numbers have to be listed, including a short description who contributed what.

In case you cannot submit assignments due to medical reasons, you must submit an medical doctor's certificate to the instructor (graduate students) or college dean (undergraduate students).

The allocation of individual students into groups is at the discretion of the instructor.

Individual Assignments will be posted to →*Canvas* and are outlined below.

Assignments #1 & #2: Introducing the Readings

Sign up for a specific reading via →*Canvas*. Please compose a max. 500 word paper reflecting on the central arguments of the reading, a critique thereof, and conclude with a lead question for the class. Submit the short paper no later than the Sunday preceding its presentation to →*Canvas*. In class, please introduce your short paper in a couple of minutes and conclude with the lead question to start the group discussion.

Assignment #3: Parliamentary Debate

Follow the UNFCCC negotiations and related side events at Bonn, 6-17 Nov. 2017 (e.g., remotely). Prepare a short memo to yourself for a frontbench Parliamentary discussion (Canadian style) on the merits on “Do global climate negotiations - such as those at Bonn, 6-17 Nov. 2017 - “prevent dangerous anthropogenic interference with the climate system”?”

The discussion will be fact-based and be backed up by relevant academic knowledge. The Speaker (instructor) will maintain the peace of the House, enforce academic standards and procedural rules, and evaluates your scholastic contribution. Every student will prepare a 500 word memo of his or her position and submit it to the instructor and share it with her or his side of the front bench. Each student is entitled to a 3 minute statement alternating across the pro and the con front benches, plus rebuttals by the opposite side of the bench.

Assignment to the two groups taking the pro and the con position is at the discretion of the instructor.

Assignments #4: Solutions for Long-Term Climate Policy Challenges: Video, Q&A, Paper

A range of indicative enduring challenges will be made available no later than 07 Nov. 2017, yet you will be free to propose any comparable long-term climate policy challenge you wish to pursue. Please submit a (max.) one page proposal (ungraded) by 13 Nov. 2017 and book (as a group) a slot for consultation on 14-15 Nov. 2017, time t.b.d. Please produce a ca. 5-10 minute group video, which presents your solutions. The Q&A session on your solutions will provide feedback on 05 Dec. 2017. The final paper is due on 17 Dec. 2017.

Modules

Module 1: Course Overview (instructor) & The Science of Climate Change

Course Overview

Intergovernmental Panel on Climate Change. 2014. *Climate Change 2014 - Synthesis Report - Approved Summary for Policymaker*. IPCC website.

Guest Lecture: **Dr. Galina Churkina (Yale School of Forestry & Environmental Studies):
Natural Science Foundations of Climate Change**

Module 2: Climate Change as a Long-Term Policy Challenge

Sprinz, Detlef F. 2009. Long-Term Environmental Policy: Definition, Knowledge, Future Research. *Global Environmental Politics* 9 (3):1-8.

Levin, Kelly, Benjamin Cashore, Steven Bernstein, and Graeme Auld. 2012. Overcoming the Tragedy of Super Wicked Problems: Constraining Our Future Selves to Ameliorate Global Climate Change. *Policy Sciences*: 45 (2), 123-152, doi:10.1007/s11077-012-9151-0.

Ostrom, Elinor. 2009. *A Polycentric Approach for Coping With Climate Change*, World Bank Policy Research Working Paper 5095; Washington, D.C. The World Bank.

Stone, Randall W. 2009. Risk in International Politics. *Global Environmental Politics* 9 (3):40-60, doi:10.1162/glep.2009.9.3.40.

Module 3: Global Climate Negotiations: History

Luterbacher, Urs. forthcoming. Chapter 1: Introduction. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.

Bodansky, Daniel, and Lavanya Rajamani. forthcoming. Chapter 2: The Evolution and Governance Architecture of the United Nations Climate Change Regime. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.

Brun, Aslak. 2016. Conference Diplomacy: The Making of the Paris Agreement. *Politics and Governance* 4 (3):115-123, <http://dx.doi.org/10.17645/pag.v4i3.649>.

Dimitrov, Radoslav S. 2016. The Paris Agreement on Climate Change: Behind Closed Doors. *Global Environmental Politics* 16 (3):1-11, doi:10.1162/GLEP_a_00361.

Watch the videos:

The Paris Climate Deal: An Inside Account of How it Happened,

<http://livestream.com/accounts/3723851/events/4783560> ,

Obama on 'Terrifying' Threat of Climate Change,

<https://www.nytimes.com/video/us/politics/100000004632792/obama-on-terrifying-threat-of-climate-change.html> .

Module 4: Actors I: Countries

- Bodansky, Daniel. 2010. *The Art and Craft of International Environmental Law*. Cambridge, MA: Harvard University Press, ch. 8 →*Course Reserves*.
- Sprinz, Detlef F., Guri Bang, Lars Brückner, and Yasuko Kameyama. forthcoming. Chapter 7: Major Countries. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.
- Michaelowa, Katharina, and Axel Michaelowa. forthcoming. Chapter 10: Equity and Development - Developing Countries in the International Climate Negotiations. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.
- Schreurs, Miranda A. 2016. The Paris Climate Agreement and the Three Largest Emitters: China, the United States, and the European Union. *Politics and Governance* 4(3): 219-223, doi:10.17645/pag.v4i3.666.

Module 5: Actors II: Non-State Actors

- Skodvin, Tora. forthcoming. Chapter 8: Non-State Actors in International Policy-Making: The Kyoto Protocol and Beyond. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.
- Paterson, Matthew. forthcoming. Chapter 9: Business. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.
- Bansard, Jennifer S., Philipp H. Pattberg, and Oscar Widerberg. 2017. Cities to the Rescue? Assessing the Performance of Transnational Municipal Networks in Global Climate Governance. *International Environmental Agreements: Politics, Law and Economics* 17 (2): 229–246, doi:10.1007/s10784-016-9318-9.
- Aklin, Michaël. forthcoming. Chapter 3: International Relations Theories and Climate Change Politics. *Global Climate Change in an International Context*. U. Luterbacher and D. F. Sprinz. Cambridge, MA, The MIT Press.

Module 6: Compliance & Implementation

- Bodansky, Daniel. 2010. *The Art and Craft of International Environmental Law*. Cambridge, MA: Harvard University Press, ch. 11, →*Course Reserves*.
- Dai, Xinyuan. 2005. Why Comply? The Domestic Constituency Mechanism. *International Organization* 59(2): 363-398.
- Hovi, Jon, Detlef F. Sprinz, and Arild Underdal. 2009. Implementing Long-Term Climate Policy: Time Inconsistency, Domestic Politics, International Anarchy. *Global Environmental Politics* 9 (3):20-39.
- Harris, Paul G., and Taedong Lee. 2017. Compliance With Climate Change Agreements: The Constraints of Consumption. *International Environmental Agreements: Politics, Law and Economics*: 1-16 (available first online), doi:10.1007/s10784-017-9365-x.
- Hovi, Jon, Mads Greger, Cathrine Hagem, and Bjart Holtsmark. 2012. A Credible Compliance Enforcement System for the Climate Regime. *Climate Policy* 12 (6):741-754, <http://dx.doi.org/10.1080/14693062.2012.692206>.

Check www.unfccc.int (more specifically under the rubric of the Kyoto Protocol) for compliance issues.

Module 7: Effective Climate Governance?

- Helm, Carsten, and Detlef F. Sprinz. 2000. Measuring the Effectiveness of International Environmental Regimes. *Journal of Conflict Resolution* 45 (5):630-652.
- Young, Oran R. 2001. Inferences and Indices: Evaluating the Effectiveness of International Environmental Regimes. *Global Environmental Politics* 1 (1):99-121.
- Bang, Guri, Jon Hovi, and Tora Skodvin. 2016. The Paris Agreement: Short-Term and Long-Term Effectiveness. *Politics and Governance* 4 (3):209-218, doi:10.17645/pag.v4i3.64.
- Hovi, Jon, and Arild Underdal. forthcoming. Chapter 11: Implementation, Compliance, and Effectiveness of Policies and Institutions. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.

Module 8: Compensation/Loss & Damage

- Tol, Richard S. J., and Roda Verheyen. 2004. State Responsibility and Compensation for Climate Change Damages - A Legal and Economic Assessment. *Energy Policy* 32:1109-1130.
- Sprinz, Detlef F., and Steffen von Bünau. 2013. The Compensation Fund for Climate Impacts. *Weather, Climate, and Society* 5 (3):210-20.
- Munich RE. 2016. NatCatSERVICE: Loss Events Worldwide 1980-2015, Munich: Munich RE.
- Swiss Re. 2014. sigma Natural Catastrophes And Man-Made Disasters in 2013: Large Losses From Floods and Hail; Haiyan Hits the Philippines, Zurich: Swiss Re, esp. 15-27.
- Sprinz, Detlef F., Rebekka Popp, Jennifer Bansard, and Peter Hefele. 2017. *Compensating for Climate Change Impacts? Priorities for Research and Public Policy*. Brief. Hong Kong & Potsdam: RECAP – Konrad Adenauer Foundation & Potsdam Institute for Climate Impact Research (PIK).
- Munich Climate Insurance Initiative. 2017. ACRI+ Video “The Silver Linings of Natural Disasters,” <https://youtu.be/IRUNWlofPTY> .
- Economist. 2017. Islands at Risk - How the Caribbean Should Cope With Hurricane Irma. *The Economist*, 14 Sep. 2017.
- Economist. 2017. Paradise Lost -How Hurricane Irma Will Change the Caribbean. *The Economist*, 14 Sep. 2017.
- Economist. 2017. Hurricane Irma - The Caribbean’s Pioneering Form of Disaster Insurance. *The Economist*, 14 Sep. 2017.

Module 9: Modeling Global Climate Negotiations, incl. Climate Clubs

- Sprinz, Detlef F., Bruce Bueno de Mesquita, Steffen Kallbekken, Frans Stokman, Håkon Sælen, and Robert Thomson. 2016. Predicting Paris: Multi-Method Approaches to Forecast the Outcomes of Global Climate Negotiations. *Politics and Governance* 4 (3):172-187, doi:10.17645/pag.v4i3.654.

- Nordhaus, William. 2015. Climate Clubs: Overcoming Free-Riding in International Climate Policy. *American Economic Review* 105(4): 1339-1370.
- Hovi, Jon, Detlef F. Sprinz, Håkon Sælen, and Arild Underdal. forthcoming. The Club Approach: A Gateway to Effective Climate Cooperation? *British Journal of Political Science*, available online first.
- Sprinz, Detlef. F., Håkon Sælen, Arild Underdal, and Jon Hovi. forthcoming. The Effectiveness of Climate Clubs under Donald Trump. *Climate Policy*.
- Statement by President Trump on the Paris Climate Accord, 01 June 2017
<https://www.whitehouse.gov/the-press-office/2017/06/01/statement-president-trump-paris-climate-accord>,
<https://youtu.be/z99y6bUgJqI> .

Module 10: “Parliamentary Debate”

Assignment #3: Parliamentary Debate in Class

- Hovi, Jon, Tora Skodvin, and Stine Aakre. 2013. Can Climate Change Negotiations Succeed? *Politics and Governance*, 1 (2): 138-150, <http://dx.doi.org/10.17645/pag.v1i2.96>.
- Keohane, Robert O., and David G. Victor. 2016. Cooperation and Discord in Global Climate Policy. *Nature Climate Change* 6:570-575, doi:10.1038/nclimate2937.

Module 11: Climate Policy and Trade

Guest Lecture: Prof. Michaël Aklin (University of Pittsburgh, by video)

- Luterbacher, Urs, Carla Norrlof, and Jorge E. Viñuales. forthcoming. Chapter 6: Environmental Protection, Differentiated Responsibility and World Trade: Making Room for Climate Action. *Global Climate Change in an International Context*. D. F. Sprinz and U. Luterbacher. Cambridge, MA, The MIT Press.
- Aklin, Michaël. 2016. Re-Exploring the Trade and Environment Nexus Through the Diffusion of Pollution. *Environmental and Resource Economics* 64(4): 663-682, <http://dx.doi.org/10.1007/s10640-015-9893-1> .
- Barrett, Scott. 2003. Trade Leakage and Trade Linkage. *Environment and Statecraft - The Strategy of Environmental Treaty-Making*. ch. 12. Oxford, Oxford University Press, →*Course Reserves*.
- Aklin, Michaël and Johannes Urpelainen. 2013. Political Competition, Path Dependence, and the Strategy of Sustainable Energy Transitions. *American Journal of Political Science* 57(3): 643-658, <http://dx.doi.org/10.1111/ajps.12002> .

Module 12: Solutions for Long-Term Climate Policy Challenges

Assignment #4 Videos (due 03 Dec. 2017), Q&A on 05 Dec. 2017.

Assignment #4: Paper (due 17 Dec. 2017, 6pm).