SP443: Social Policy of Climate Change

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This version: January 17, 2025

Description

Climate change is one of the world's most pressing problems with significant implications for human's welfare and wellbeing both now and in the future. Swift and significant policy action is therefore necessary to both adapt to and mitigate climate change.

This course examines the social and public policy of climate change, from both a domestic and international perspective, drawing on research from disciplines such as economics, political science, public policy, and social policy. In doing so, the course is divided in to three parts:

- First, the course documents the nature of the problem at hand by exploring the measurement of climate change and its possible human and societal impacts.
- Second, we focus on policy responses to climate change, examining how policy is formulated and implemented at both the domestic and international level.
- Finally, the course focuses on applying these insights and tools to issues such as economic development, migration, non-governmental organisations, and political violence.

In completing the course students will have a fuller understanding of the societal impacts of climate change and policy responses, with an eye to communicating scientific evidence to an audience of academics, policymakers, and stakeholders.

Learning Objectives

By the end of the course students will be able to

- Identify and appraise the key impacts of climate change and environmental degradation upon society.
- Evaluate the different types of policy solutions to climate change and environmental problems.
- Apply the logic and insights from these to a variety of topical issues within the field.

- Effectively create and communicate their analyses to academic, policymaker, and stakeholder audiences.
- Demonstrate knowledge of essential academic readings in the field, and the skills to critique their potential limitations.

Delivery

The weekly sessions will consist of a one hour lecture and an additional seminar both of which are essential for completing the module. The lecture provide an overview of the topic for a given week. The seminar will involve student presentations, discussion of the week's readings, instruction related to the assignments, and provide opportunities for discussing any outstanding questions.

Lecture: Tuesday, 15:00 - 16:30, CBG.2.06

Seminars: consult your own timetable

Expectations

There will be ten weekly sessions, consisting of a lecture and seminar. You will be expected to participate in these sessions, in whatever format they occur. You will be expected to be on time to our sessions, to silence your cell phones, to use your computers for only class-related purposes, and to be respectful of your fellow participants in the module.

You will be able to access each week's key readings via the reading list that you will find for every week on Moodle.

Course Literature

Readings will consist of academic articles and/or selected chapters from books outlined below. There is no one textbook for the course.

Assessment

The summative assessment for SP443 consists of one written assignment.

The summative assignment consists of a 3500-word academic review article on a topic of the student's choice. This format requires engaging in more depth with the academic literature, and should be pitched toward a more informed consumer of research such as practitioners and policy makers. The essay should provide a broad and systematic overview of research relating to the chosen topic. In doing so the essay should organize, evaluate, and synthesise the literature in order to identify patterns, trends, and gaps requiring further research. The assignment will be due in ST2.

A variety of review articles have been assigned as a part of the reading, and so serve as examples to potentially follow.

There will also be a formative coursework due in WT5. This consists of a 500 word outline of the student's planned scientific review (summative coursework). Students should outline their topic of interest and some examples of relevant scientific literature. From there, students will explain how they plan on conducting the full review and the type of questions/problems this review will be able to help answer.

Sessions

WT1 Introduction

Essential Readings:

- IPCC. *Global Warming of 1.5 °C. An IPCC Special Report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty*. 2018
- Ian Gough, James Meadowcroft, John Dryzek, Jürgen Gerhards, Holger Lengfeld, Anil Markandya, and Ramon Ortiz. Jesp symposium: Climate change and social policy. *Journal of European Social Policy*, 18(4):325–344, 2008. doi: 10.1177/0958928708094890. URL https://doi.org/10.1177/0958928708094890
- Thomas Bernauer. Climate change politics. *Annual Review of Political Science*, 16(1): 421–448, 2013. doi: 10.1146/annurev-polisci-062011-154926. URL https://doi.org/10.1146/annurev-polisci-062011-154926

WT2 Who is responsible for dealing with climate change?

Essential Readings:

- Edward A. Page. Distributing the burdens of climate change. *Environmental Politics*, 17(4):556–575, 2008. doi: 10.1080/09644010802193419. URL https://doi.org/10.1080/09644010802193419
- Melissa Lane. Political theory on climate change. *Annual Review of Political Science*, 19(1):107–123, 2016. doi: 10.1146/annurev-polisci-042114-015427. URL https://doi.org/10.1146/annurev-polisci-042114-015427

Recommended Readings:

- Lauren Hartzell-Nichols. Responsibility for meeting the costs of adaptation. *WIREs Climate Change*, 2(5):687–700, 2011. doi: 10.1002/wcc.132. URL https://onlinelibrary.wiley.com/doi/abs/10.1002/wcc.132
- Robert Huseby. Should the beneficiaries pay? *Politics, Philosophy & Economics*, 14 (2):209–225, 2015. doi: 10.1177/1470594X13506366. URL https://doi.org/10.1177/1470594X13506366
- Mathias Friman and Gustav Strandberg. Historical responsibility for climate change: science and the science–policy interface. *WIREs Climate Change*, 5(3):297–316, 2014. doi: 10.1002/wcc.270. URL https://onlinelibrary.wiley.com/doi/abs/10.1002/wcc.270
- Robert Gampfer. Do individuals care about fairness in burden sharing for climate change mitigation? evidence from a lab experiment. *Climatic Change*, 124(1-2):65–77, 2014. ISSN 0165-0009. doi: 10.1007/s10584-014-1091-6. URL http://dx.doi.org/10.1007/s10584-014-1091-6
- Marco Grasso and J. Timmons Roberts. A compromise to break the climate impasse. *Nature Climate Change*, 4(7):543–549, 2014. doi: 10.1038/nclimate2259. URL https://doi.org/10.1038/nclimate2259
- Stavros Afionis, Marco Sakai, Kate Scott, John Barrett, and Andy Gouldson. Consumption-based carbon accounting: does it have a future? *WIREs Climate Change*, 8(1):e438, 2017. doi: 10.1002/wcc.438. URL https://onlinelibrary.wiley.com/doi/abs/10.1002/wcc.438
- Lucas Chancel, Philipp Bothe, and Tancrède Voituriez. Climate inequality report 2023: Fair taxes for a sustainable future in the global south, 2023. URL https://wid.world/news-article/climate-inequality-report-2023-fair-taxes-for-a-sustainable-future-in-the-glob

WT3 International Climate Policy and the Paris Agreement

Essential Readings:

- Gabriel Chan, Robert Stavins, and Zou Ji. International climate change policy. *Annual Review of Resource Economics*, 10(1):335–360, 2018. doi: 10.1146/annurev-resource-100517-02332 URL https://doi.org/10.1146/annurev-resource-100517-023321
- Chukwumerije Okereke and Philip Coventry. Climate justice and the international regime: before, during, and after paris. *WIREs Climate Change*, 7(6):834–851, 2016. doi: 10.1002/wcc.419. URL https://onlinelibrary.wiley.com/doi/abs/10.1002/wcc.419

Recommended Readings:

- Jen Iris Allan, Charles B Roger, Thomas N Hale, Steven Bernstein, Yves Tiberghien, and Richard Balme. Making the paris agreement: Historical processes and the drivers of institutional design. *Political Studies*, 0(0):00323217211049294, 0. doi: 10.1177/00323217211049294. URL https://doi.org/10.1177/00323217211049294
- Ian Gough. Climate change, social policy, and global governance. *Journal of International and Comparative Social Policy*, 29(3):185–203, 2013. doi: 10.1080/21699763.2013.852128
- Jeff D. Colgan and Miriam Hinthorn. International energy politics in an age of climate change. *Annual Review of Political Science*, 26(1):null, 2023. doi: 10.1146/annurev-polisci-051421-124241. URL https://doi.org/10.1146/annurev-polisci-051421-124241
- David G. Victor, Marcel Lumkowsky, and Astrid Dannenberg. Determining the credibility of commitments in international climate policy. *Nature Climate Change*, 12 (9):793–800, 2022. doi: 10.1038/s41558-022-01454-x. URL https://doi.org/10.1038/s41558-022-01454-x
- Liam F. Beiser-McGrath and Thomas Bernauer. Commitment failures are unlikely to undermine public support for the paris agreement. *Nature Climate Change*, 9 (3):248–252, 2019. doi: 10.1038/s41558-019-0414-z. URL https://doi.org/10.1038/s41558-019-0414-z
- Ronald B. Mitchell, Liliana B. Andonova, Mark Axelrod, Jörg Balsiger, Thomas Bernauer, Jessica F. Green, James Hollway, Rakhyun E. Kim, and Jean-Frédéric Morin. What We Know (and Could Know) About International Environmental Agreements. *Global Environmental Politics*, 20(1):103–121, 02 2020. ISSN 1526-3800. doi: 10.1162/glep_a_00544. URL https://doi.org/10.1162/glep_a_00544
- Jon Hovi, Hugh Ward, and Frank Grundig. Hope or despair? formal models of climate cooperation. *Environmental and Resource Economics*, pages 1–24, 2014. ISSN 0924-6460. doi: 10.1007/s10640-014-9799-3. URL http://dx.doi.org/10.1007/s10640-014-9799-3
- William D. Nordhaus. Climate clubs: Overcoming free-riding in international climate policy. *American Economic Review*, 105:1339–70, 2015
- Detlef F. Sprinz, Håkon Sælen, Arild Underdal, and Jon Hovi. The effectiveness of

climate clubs under donald trump. *Climate Policy*, 18(7):828–838, 2018. doi: 10.1080/14693062.2017.1410090. URL https://doi.org/10.1080/14693062.2017.1410090

- Jen Iris Allan. Dangerous incrementalism of the paris agreement. *Global Environmental Politics*, 19(1):4–11, 2019. doi: 10.1162/glep_a_00488. URL https://doi.org/10.1162/glep_a_00488
- Sam S. Rowan. Pitfalls in comparing paris pledges. *Climatic Change*, 155(4):455–467, 2019. doi: 10.1007/s10584-019-02494-7. URL https://doi.org/10.1007/s10584-019-02494-7

WT4 Drivers of Domestic Policy

Essential Readings:

- Michaël Aklin and Matto Mildenberger. Prisoners of the wrong dilemma: Why distributive conflict, not collective action, characterizes the politics of climate change. *Global Environmental Politics*, 20(4):4–27, 2020
- Michèle B. Bättig and Thomas Bernauer. National institutions and global public goods: Are democracies more cooperative in climate change policy? *International Organization*, 63:281–308, 4 2009. ISSN 1531-5088. doi: 10.1017/S0020818309090092. URL http://journals.cambridge.org/article_S0020818309090092
- Elinor Ostrom. Coping with tragedies of the commons. *Annual Review of Political Science*, 2(1):493, 1999. ISSN 10942939. URL http://0-search.ebscohost.com.serlib0.essex.ac.uk/login.aspx?direct=true&db=bth&AN=5366745&site=ehost-live

Recommended Readings:

- Kenneth A. Oye and James H. Maxwell. Self-interest and environmental management. *Journal of Theoretical Politics*, 6(4):593–624, 1994. doi: 10.1177/0951692894006004008. URL https://doi.org/10.1177/0951692894006004008
- Ostrom, Elinor (1990) Governing the Commons: The evolution of institutions for collective action. Ch. 1 and 6. https://wtf.tw/ref/ostrom_1990.pdf
- Patrick Bayer and Johannes Urpelainen. It is all about political incentives: Democracy and the renewable feed-in tariff. *The Journal of Politics*, 78(2):603–619, 2016. doi: 10.1086/684791. URL https://doi.org/10.1086/684791
- Dustin Tingley and Michael Tomz. Conditional cooperation and climate change. *Comparative Political Studies*, 47(3):344–368, 2014. doi: 10.1177/0010414013509571. URL http://cps.sagepub.com/content/47/3/344.abstract
- Robert O. Keohane and David G. Victor. Cooperation and discord in global climate policy. *Nature Climate Change*, 6:570 EP –, 05 2016. URL http://dx.doi.org/10.1038/nclimate2937
- Marina Povitkina. The limits of democracy in tackling climate change. *Environmental Politics*, 27(3):411–432, 2018
- Federica Genovese. Sectors, Pollution, and Trade: How Industrial Interests Shape Domestic Positions on Global Climate Agreements. *International Studies Quarterly*, 63(4):819–836, 08 2019. ISSN 0020-8833. doi: 10.1093/isq/sqz062. URL https://doi.org/10.1093/isq/sqz062
- Amanda Kennard. The enemy of my enemy: When firms support climate change regulation. *International Organization*, 74(2):187–221, 2020. doi: 10.1017/S0020818320000107
- William Kakenmaster. The fossil-fueled roots of climate inaction in authoritarian regimes. *Perspectives on Politics*, pages 1–19, 2024. doi: 10.1017/S1537592724000793

Week 5: Growth, Consumption and Eco-Social Policies

Essential readings

Gough, Ian (2017) Chapter 7 'Decarbonising consumption' and Chapter 8 'Post-Growth, redistribution and well-being' in *Heat, Greed and Human Need: Climate Change, Capitalism and Sustainable Well-Being*, Cheltenham, UK: Edward Elgar (Online in LSE Library).

Dukelow, Fiona (2022) 'Building the Future from the Present: Imagining Post-Growth, Post-Productivist Ecosocial Policy' *Journal of Social Policy*, 51(3) 504-518. https://doi:10.1017/S0047279422000150

Sanya Carley and David M. Konisky. The justice and equity implications of the clean energy transition. Nature Energy, 2020. doi: 10.1038/s41560-020-0641-6. URL https://doi.org/10.1038/s41560-020-0641-6

Recommended readings

Klenert, David, Linus Mattauch, Emmanuel Combet et al (2018) 'Making carbon pricing work for citizens,' *Nature Climate Change*, 8: 669-677. https://doi-org.gate3.library.lse.ac.uk/10.1038/s41558-018-0201-2

Nerini, Francesco Fuso, Tina Fawcett, Yael Parag and Paul Ekins (2021) 'Personal carbon allowances revisited,' *Nature Sustainability*, 4: 1025-1031 https://doi.org/10.1038/s41893-021-00756-w

Hirvilammi, Tuuli, Liisa Häikiö, Håkan Johansson, Max Koch and Johanna Perkiö (2023) 'Social Policy in a Climate Emergency Context: Towards an Ecosocial Research Agenda,' *Journal of Social Policy*, 52: 1-23. https://doi.org/10.1017/S0047279423000053

Jackson, Tim (2017) *Prosperity Without Growth: Foundations for the Economy of Tomorrow*, Second Edition, London: Routledge.

Koch, Max (2022) 'Social Policy Without Growth: Moving Towards Sustainable Welfare States,' *Social Policy and Society*, 21(3): 447-459 https://doi.org/10.1017/S1474746421000361

Antal, Miklós, Barbara Plank, Judit Mokos and Dominik Wiedenhofer (2021) 'Is working less really good for the environment? A systematic review of the empirical evidence for resource use, greenhouse gas emissions and the ecological footprint,' *Environmental Research Letters*, 16(1) https://doi.org/10.1088/1748-9326/abceec

Raworth, Kate (2017) *Doughnut Economics: Seven Ways to Think Like a Twenty-First Century Economist*.

Uusitalo, C, A Huttunen, E Kareinen, T von Wright, M Valjakka, A Pitkänen and J Levänen (2022) 'Using personal carbon trading to reduce mobility emissions: A pilot in the Finnish city of Lahti,' *Transport Policy*, 126: 177-187. https://doi.org/10.1016/j.tranpol.2022.07.022

WT7 Climate Change and Development

Essential Readings:

- Seema Jayachandran. How economic development influences the environment. *Annual Review of Economics*, 14(1):229–252, 2022. doi: 10.1146/annurev-economics-082321-123803. URL https://doi.org/10.1146/annurev-economics-082321-123803
- Adelle Thomas, April Baptiste, Rosanne Martyr-Koller, Patrick Pringle, and Kevon Rhiney. Climate change and small island developing states. *Annual Review of Environment and Resources*, 45(1):null, 2020. doi: 10.1146/annurev-environ-012320-083355. URL https://doi.org/10.1146/annurev-environ-012320-083355

Recommended Readings:

- Seth Morgan, Alexander Pfaff, and Julien Wolfersberger. Environmental policies benefit economic development: Implications of economic geography. *Annual Review of Resource Economics*, 14(1):427–446, 2022. doi: 10.1146/annurev-resource-111920-022804. URL https://doi.org/10.1146/annurev-resource-111920-022804
- Roldan Muradian and Joan Martinez-Alier. Trade and the environment: from a 'southern' perspective. *Ecological Economics*, 36(2):281 – 297, 2001. ISSN 0921-8009. doi: https://doi.org/10.1016/S0921-8009(00)00229-9. URL http://www.sciencedirect.com/science/article/pii/S0921800900002299
- Soumyananda Dinda. Environmental kuznets curve hypothesis: A survey. *Ecological Economics*, 49(4):431 – 455, 2004. ISSN 0921-8009. doi: https://doi.org/10.1016/j.ecolecon.2004.02.011. URL http://www.sciencedirect.com/science/article/pii/S0921800904001570
- Paul F. Steinberg. Understanding policy change in developing countries: The spheres of influence framework. *Global Environmental Politics*, 3(1):11–32, 2003. doi: 10.1162/152638003763336365. URL https://doi.org/10.1162/152638003763336365
- Andrew Hurrell and Sandeep Sengupta. Emerging powers, north–south relations and global climate politics. *International Affairs*, 88(3):463–484, 2012. doi: 10.1111/j.1468-2346.2012.01084.x. URL https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1468-2346.2012.01084.x
- David Wheeler. Racing to the bottom? foreign investment and air pollution in developing countries. *The Journal of Environment & Development*, 10(3):225–245, 2001. doi: 10.1177/10704965-0101003-02. URL https://doi.org/10.1177/10704965-0101003-02
- Nicole Hassoun. Free trade, poverty, and the environment. *Public Affairs Quarterly*, 22(4):353–380, 2008. ISSN 08870373. URL http://www.jstor.org/stable/40441510
- Ahmet Atıl Aşıcı. Economic growth and its impact on environment: A panel data analysis. *Ecological Indicators*, 24:324 – 333, 2013. ISSN 1470-160X. doi: https://doi.org/10.1016/j.ecolind.2012.06.019. URL http://www.sciencedirect.com/science/article/pii/S1470160X12002506
- Cullen S. Hendrix. The streetlight effect in climate change research on africa. *Global*

Environmental Change, 43:137 – 147, 2017. ISSN 0959-3780. doi: https://doi.org/10.1016/j.gloenvcha.2017.01.009. URL http://www.sciencedirect.com/science/article/pii/S0959378016302412

- Amran Md. Rasli, Muhammad Imran Qureshi, Aliyu Isah-Chikaji, Khalid Zaman, and Mehboob Ahmad. New toxics, race to the bottom and revised environmental kuznets curve: The case of local and global pollutants. *Renewable and Sustainable Energy Reviews*, 81:3120 – 3130, 2018. ISSN 1364-0321. doi: https://doi.org/10.1016/j.rser.2017.08.092. URL http://www.sciencedirect.com/science/article/pii/S1364032117312364
- Allen Blackman, Zhengyan Li, and Antung A. Liu. Efficacy of command-and-control and market-based environmental regulation in developing countries. *Annual Review of Resource Economics*, 10(1):381–404, 2018. doi: 10.1146/annurev-resource-100517-02314 URL https://doi.org/10.1146/annurev-resource-100517-023144
- Komali Yenneti, Rosie Day, and Oleg Golubchikov. Spatial justice and the land politics of renewables: Dispossessing vulnerable communities through solar energy mega-projects. *Geoforum*, 76:90–99, 2016. ISSN 0016-7185. doi: https://doi.org/10.1016/j.geoforum.2016.09.004. URL https://www.sciencedirect.com/science/article/pii/S0016718515303249

WT8 Climate Change and Violence

Essential Readings:

- Vally Koubi. Climate change and conflict. *Annual Review of Political Science*, 22(1): 343–360, 2019. doi: 10.1146/annurev-polisci-050317-070830. URL https://doi.org/10.1146/annurev-polisci-050317-070830
- Halvard Buhaug and Nina von Uexkull. Vicious circles: Violence, vulnerability, and climate change. *Annual Review of Environment and Resources*, 46(1):545–568, 2021. doi: 10.1146/annurev-environ-012220-014708. URL https://doi.org/10.1146/annurev-environ-012220-014708

Recommended Readings:

- Courtland Adams, Tobias Ide, Jon Barnett, and Adrien Detges. Sampling bias in climate–conflict research. *Nature Climate Change*, 8(3):200–203, 2018. doi: 10.1038/s41558-018-0068-2. URL https://doi.org/10.1038/s41558-018-0068-2
- Clionadh Raleigh, Andrew Linke, and John O'Loughlin. Extreme temperatures and violence. *Nature Climate Change*, 4(2):76–77, 2014. doi: 10.1038/nclimate2101. URL https://doi.org/10.1038/nclimate2101
- Jon Barnett. The prize of peace (is eternal vigilance): a cautionary editorial essay on climate geopolitics. *Climatic Change*, 96(1):1–6, 2009. doi: 10.1007/s10584-009-9591-5. URL https://doi.org/10.1007/s10584-009-9591-5
- Marshall B. Burke, Edward Miguel, Shanker Satyanath, John A. Dykema, and David B. Lobell. Warming increases the risk of civil war in africa. *Proceedings of the National Academy of Sciences*, 106(49):20670–20674, 2009. ISSN 0027-8424. doi: 10.1073/pnas.0907998106. URL https://www.pnas.org/content/106/49/20670
- Alexandra E. Sutton, Justin Dohn, Kara Loyd, Andrew Tredennick, Gabriela Bucini, Alexandro Solórzano, Lara Prihodko, and Niall P. Hanan. Does warming increase the risk of civil war in africa? *Proceedings of the National Academy of Sciences*, 107 (25):E102–E102, 2010. ISSN 0027-8424. doi: 10.1073/pnas.1005278107. URL https://www.pnas.org/content/107/25/E102
- Halvard Buhaug. Climate not to blame for african civil wars. *Proceedings of the National Academy of Sciences*, 2010. ISSN 0027-8424. doi: 10.1073/pnas.1005739107. URL https://www.pnas.org/content/early/2010/08/30/1005739107
- Solomon M. Hsiang, Marshall Burke, and Edward Miguel. Quantifying the influence of climate on human conflict. *Science*, 341(6151), 2013. ISSN 0036-8075. doi: 10.1126/science.1235367. URL https://science.sciencemag.org/content/341/6151/1235367
- Cullen S Hendrix and Stephan Haggard. Global food prices, regime type, and urban unrest in the developing world. *Journal of Peace Research*, 52(2):143–157, 2015. doi: 10.1177/0022343314561599. URL https://doi.org/10.1177/0022343314561599

- Barry S. Levy, Victor W. Sidel, and Jonathan A. Patz. Climate change and collective violence. *Annual Review of Public Health*, 38(1):241–257, 2017. doi: 10.1146/annurev-publhealth-031816-044232. URL https://doi.org/10.1146/annurev-publhealth-031816-04 PMID: 28125385

WT9 Non-Governmental Organizations and Civil Society

Essential Readings:

- Michele M. Betsill and Elisabeth Corell. Ngo influence in international environmental negotiations: A framework for analysis. *Global Environmental Politics*, 1(4):65–85, 2001. doi: 10.1162/152638001317146372. URL https://doi.org/10.1162/152638001317146372
- Jonathan W. Kuyper, Björn-Ola Linnér, and Heike Schroeder. Non-state actors in hybrid global climate governance: justice, legitimacy, and effectiveness in a post-paris era. *WIREs Climate Change*, 9(1):e497, 2018. doi: 10.1002/wcc.497. URL https://onlinelibrary.wiley.com/doi/abs/10.1002/wcc.497

Recommended Readings:

- Jennifer Hadden and Sarah Sunn Bush. What's different about the environment? environmental ingos in comparative perspective. *Environmental Politics*, 30(1-2): 202–223, 2021. doi: 10.1080/09644016.2020.1799643. URL https://doi.org/10.1080/09644016.2020.1799643
- Jennifer Hadden and Lorien Jasny. The power of peers: How transnational advocacy networks shape ngo strategies on climate change. *British Journal of Political Science*, 49(2):637–659, 2019. doi: 10.1017/S0007123416000582
- Doug McAdam. Social movement theory and the prospects for climate change activism in the united states. *Annual Review of Political Science*, 20(1):189–208, 2017. doi: 10.1146/annurev-polisci-052615-025801. URL https://doi.org/10.1146/annurev-polisci-052615-02
- Kathryn Hochstetler. After the boomerang: Environmental movements and politics in the la plata river basin. *Global Environmental Politics*, 2(4):35–57, 2002. doi: 10.1162/152638002320980614. URL https://doi.org/10.1162/152638002320980614
- Karin Bäckstrand. Civic science for sustainability: Reframing the role of experts, policy-makers and citizens in environmental governance. *Global Environmental Politics*, 3(4):24–41, 2003. doi: 10.1162/152638003322757916. URL https://doi.org/10.1162/152638003322757916
- David Schlosberg and David Carruthers. Indigenous struggles, environmental justice, and community capabilities. *Global Environmental Politics*, 10(4):12–35, 2010. URL https://doi.org/10.1162/GLEP_a_00029
- Julie Koppel Maldonado, Christine Shearer, Robin Bronen, Kristina Peterson, and Heather Lazrus. The impact of climate change on tribal communities in the us: displacement, relocation, and human rights. *Climatic Change*, 120(3):601–614, 2013. doi: 10.1007/s10584-013-0746-z. URL https://doi.org/10.1007/s10584-013-0746-z
- Irja Vormedal. The influence of business and industry ngos in the negotiation of the kyoto mechanisms: the case of carbon capture and storage in the cdm. *Global Environmental Politics*, 8(4):36–65, 2008. doi: 10.1162/glep.2008.8.4.36. URL https://doi.org/10.1162/glep.2008.8.4.36

- Tobias Böhmelt, Vally Koubi, and Thomas Bernauer. Civil society participation in global governance: Insights from climate politics. *European Journal of Political Research*, 53(1):18–36, 2014. doi: 10.1111/1475-6765.12016. URL https://ejpr.onlinelibrary.wiley.com/doi/abs/10.1111/1475-6765.12016
- Cristina M. Balboa. How successful transnational non-governmental organizations set themselves up for failure on the ground. *World Development*, 54:273 – 287, 2014. ISSN 0305-750X. doi: https://doi.org/10.1016/j.worlddev.2013.09.001. URL http://www.sciencedirect.com/science/article/pii/S0305750X13002027
- Jen Iris Allan and Jennifer Hadden. Exploring the framing power of ngos in global climate politics. *Environmental Politics*, 26(4):600–620, 2017. doi: 10.1080/09644016.2017.1319017. URL https://doi.org/10.1080/09644016.2017.1319017

WT10 Climate Change and Migration

Essential Readings:

- Celia McMichael. Climatic and environmental change, migration, and health. *Annual Review of Public Health*, 44(1):null, 2023. doi: 10.1146/annurev-publhealth-071421-045148. URL https://doi.org/10.1146/annurev-publhealth-071421-045148. PMID: 36542773
- Katrin Millock. Migration and environment. *Annual Review of Resource Economics*, 7(1):35–60, 2015. doi: 10.1146/annurev-resource-100814-125031. URL https://doi.org/10.1146/annurev-resource-100814-125031
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WT11 Conclusion