

Fall Semester 2020 – These are extraordinary times, which may necessitate frequent shifts in the syllabus. I will provide as much advance warning as possible when changes are necessary, and will be flexible as needed with your response to these changes.

MC 492 (Section 002)

Senior Seminar: Governance, Rights, and Resources

Tuesdays/Thursdays 10:20am-12:10pm (*though parts of some sessions may be replaced by asynchronous content*), online via zoom ([here](#))

Professor: Mark Axelrod (email: axelrod3@msu.edu or phone: 517-258-0248)

Office Hours (via zoom or phone, and occasionally outdoors on campus – with face coverings and physical distancing – if preferred): (Tentatively) Tuesdays 1-3pm; more will be added – please sign up at <https://jmc.msu.edu/zoom/>

I set aside these times for student meetings, and it is helpful for me if you can meet during those hours. However, I understand that these slots will not fit everyone's schedule. If these times do not work for you, please email to arrange a different time.

Course Description

Why do people gain more equal access to clean environments in some communities than others? Why do global markets constrain or enable community access to natural resources? Why do democracies produce different environmental performance than dictatorships or colonial rulers?

These questions are among those that will guide our discussions and scholarly research throughout the semester. In this course, we will examine how governing institutions allocate rights and responsibility for managing human relationships with the natural environment. We will consider how such resource governance frameworks affect human rights to natural resource benefits and human behavior towards their natural surroundings. This course explores recent scholarship from many disciplinary approaches, unpacking and comparing the institutional machinery of democracies and other governance structures.

We begin by discussing alternatives for measuring environmental outcomes, including resource health, human access to natural resources, and resource-based livelihoods. Next we consider three important influences on human behavior and government policies towards the environment: resource demand for consumption and production (economics of scarcity), science, and culture. In the second part of the course, we examine how those three pressures are channeled through different varieties of political control, from colonial domination to democracy.

The senior seminar is a capstone experience, drawing on concepts you have confronted throughout your time in James Madison College. It also provides an opportunity for you to produce a substantial piece of original scholarship, building on the research, writing, and presentation skills you have developed here.

Learning Objectives

By the end of this course, you will be prepared to:

- Compare different political systems' approaches to natural resource management;
- Consider how various governance frameworks impact different people's access to quality natural resources;
- Engage in scholarly discussions about these topics, using dialogue to gain diverse perspectives on resource governance and environmental justice
- Conduct and communicate in-depth original research on these topics
- Practice and participate in community building through discussion of complex public affairs issues

Course Meetings

We will meet twice every week via zoom, *though some sessions may be replaced by asynchronous activities*. Class will focus on discussion of the readings for that week, and their application to current events. This class is designed to enhance your verbal, as well as written, communication skills. It is essential that all class members contribute to the conversation so that we can learn from different points

[Grading information follows on the next page.]

of view. **You are expected to prepare, be “present”, and participate every time we meet. Please contact me in advance if you are unable to join a particular session.**

We will have animated discussions about many controversial topics. You should be prepared to support your position *with evidence*, and are encouraged to disagree with me and with each other, but **you must pay attention to, and be respectful towards, each other’s experiences and reasoned views**. The College Statement of Values (below) provides a useful model for engaging in respectful discourse, and we will develop additional group expectations (including for use of video during our sessions) together for the online environment.

Finally, although you will of course need to be online in order to participate in class sessions, electronic devices can also provide a major distraction. Please make sure you are “present” to the extent possible and focused on the content of our class meetings. In addition, recent research shows that handwritten class notes may be more effective (see “Take Notes by Hand for Better Long-Term Comprehension,” <http://www.psychologicalscience.org/news/releases/take-notes-by-hand-for-better-long-term-comprehension.html>), so I recommend keeping a pen and paper with you during our zoom discussions.

College Statement of Values

“As Madisonians, we affirm the necessity of compassion, conscientiousness, and curiosity in our community. We acknowledge our academic and moral responsibility to always seek to learn from one another, approaching our scholarly endeavors with respect and humility. We understand that this process can be uncomfortable, and that it often requires challenging closely held beliefs. Nevertheless, we strive to always participate in discussions in good faith, and to build a community conducive to the intellectual growth of all.”

Grading and Assignments

Summary of Assignments (**further details will be provided separately**)

Assignment	Due Date	Percentage of Overall Grade
Attendance and Quality Participation	Every class period	15%, though I may reduce this component, or calculate in multiple ways, due to our unique circumstances
Leadership of 2 class discussions, including advance materials for the class	Sign-up sheet will be on D2L during the second week of class	20% (10% each)
Group Policy Brief/Presentation on Air Quality	October 22 (subject to change)	10%
Preliminary Research Question, Literature Review, and Hypotheses	September 29, beginning of class	5%
First Draft of Research Paper	October 29, beginning of class	10%
Final Research Paper	Friday, December 14, 10:00am	20%
Research Presentation	Sign-up sheet will be circulated in early November	10%
Commentary on a Classmate’s First Draft	Sign-up sheet will be circulated in early November	10%

You are strongly encouraged to discuss all projects with Professor Axelrod during office hours.

For all assignments, late papers (unless accompanied by doctor’s note or other verified excuse) will receive a reduction of one grade point for every two days after the deadline (i.e., 1 minute to 48 hours late reduces grade by 1.0; 48-96 hours late reduces grade by 2.0). I do recognize that difficulties arise outside of the course, and I will therefore allow a single “life happened” extension on one written assignment (one stage of the research paper assignment or the policy brief/presentation; but not the presentation assignments since the schedule is dependent on your preparedness). If something happens and you need an extension, you may use this option for a three-day extension, no questions asked. Please email me before the deadline so I know you are using the extension. However, you can only use this option once during the semester, so plan accordingly. The “life happened” extension may not be used to reschedule presentations, but you may try to trade times well in advance of your assigned slot. Given our unique circumstances this semester, I only ask that you let me know in advance of class sessions you will miss, if possible. I will not penalize anyone for missed sessions, however, unless it becomes disruptive to the learning process.

PLEASE NOTE THAT THIS COURSE WILL BE CONDUCTED IN LINE WITH MADISON COLLEGE AND MSU POLICIES ON ACADEMIC DISHONESTY. Among other requirements, that means that you must cite the source of any and all facts or ideas in your written assignments.

The Student Handbook states:

“Academic Honesty: [Article 2.III.B.2](#) of the Academic Freedom Report states: “The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards.” In addition, James Madison College adheres to the policies on academic honesty specified in General Student Regulation 1.0, [Protection of Scholarship and Grades](#); the all-University Policy on [Integrity of Scholarship and Grades](#); and [Ordinance 17.00](#), Examinations. Therefore, unless authorized by your instructor, you are expected to complete all course assignments, including homework, lab work, quizzes, tests and exams, without assistance from any source. You are expected to develop original work for this course; therefore, you may not submit course work you completed for another course to satisfy the requirements for this course. Also, you are not authorized to use the [www.allmsu.com](#) Web site to complete any course work in this course unless explicitly authorized by the professor. Students who violate MSU regulations on Protection of Scholarship and Grades may receive a failing grade in the course or on the assignment and be reported for academic integrity violations.”

Please also remember that the internet is a powerful source of information. While it may ease your research efforts, it can also lead you to non-reputable resources and help to identify your use of other people’s work.

Violations of academic dishonesty principles will result in punishments up to and including a 0.0 grade for the course. Under MSU guidelines, I must report all such incidents to the University.

IF IN DOUBT, I WILL BE HAPPY TO DISCUSS THE PROPER COURSE OF ACTION. Past experience has shown that most errors are easily avoidable with a short discussion.

Needed Accommodations for Course Activities and Assignments

Requests for accommodations may be made by contacting the Resource Center for Persons with Disabilities (RCPD) at 517-884-RPCD or on the web at [rcpd.msu.edu](#). Once your eligibility for an accommodation has been determined, you will be issued a Verified Individual Services Accommodation (VISA) form. Please present this form to me as soon as possible so that we can develop a plan that works best for your learning opportunities. The remote environment may result in challenges you have not encountered previously in face-to-face settings, so I encourage you to consult with RCPD if you experience new challenges in this context.

MSU Limits to Confidentiality [statement by Dr. Paulette Granberry Russell (2015)]

“[All] materials submitted for this class are generally considered confidential pursuant to the University’s student record policies. However, students should be aware that University employees, including

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instructors, may not be able to maintain confidentiality when it conflicts with their responsibility to report certain issues based on external legal obligations or that relate to the health and safety of MSU community members and others. As the instructor, I must report the following information to other University offices if you share it with me:

- Suspected child abuse/neglect, even if this maltreatment happened when you were a child,
- Allegations of sexual assault or sexual harassment when they involve MSU students, faculty, or staff [even if they happened outside the MSU context], and
- Credible threats of harm to oneself or to others.

These reports may trigger contact from a campus official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like to talk about these events in a more confidential setting you are encouraged to make an appointment with the MSU Counseling Center.”

Please note: I understand that gender-based violence and the other experiences listed above can undermine students’ academic success and I am committed to supporting survivors. In addition to the Counseling Center, additional confidential resources now exist, and I am happy to help you connect.

Course Readings

Please remember that you should not accept all course readings at face value. I have not chosen them because I agree with everything written, nor do I expect that you agree with their claims or conclusions. You should know the authors' arguments, but you are expected to read critically. I think these materials represent good entry points into the topics that we will study, and they generally do a good job of identifying the interesting issues related to those topics. However, ***you should approach readings (and statements in class) with a healthy degree of skepticism. Indeed, many of the authors reach opposing conclusions, indicating that their findings cannot simultaneously be accurate. When you confront an argument, I hope you will start by asking what evidence is being used to support that argument, whether it is sufficient, and what additional evidence would be necessary to support the author's argument.*** Following an analytical approach will help you gain a better understanding of the subject, and will make you a better student and scholar as well. Your own research paper will require the same attention to real-world evidence, and should build on (and respond to) existing literature in the field.

You are expected to read all assigned materials before the session noted in this syllabus. As in all Madison College courses, I realize that there is a significant amount of reading assigned. This load is necessary to grasp broad theories of resource politics and governance, while also applying them to real life situations. Class discussion will center around the assigned reading materials, assessing the authors' arguments and supporting evidence. As a result, you will need to be familiar with these concepts and findings before coming to class, and you are also strongly encouraged to bring all materials with you for reference. Assigned discussion leaders and I will often email reading questions in advance to help guide your preparation for class.

No textbooks are required for this course. Instead, I have assigned a range of shorter pieces from academic and popular sources. This choice was intended to achieve two goals: 1) By reading more (shorter) items, we get the chance to see more views on each topic. The tradeoff, of course, is that we lose some of the depth that emerges from book-length studies; 2) All readings will be available electronically through D2L, hyperlinks within the syllabus, or resources for which the MSU Library has access. In other words, this approach should save you money on class materials, as well as limiting the need for physical resources in our current disconnected state of being. Again, there is of course a tradeoff in that you will need to spend a bit more time locating the assigned materials, but that is hopefully mitigated by the research experience of increased comfort in finding them. Articles and book chapters listed as "reserve" or "D2L" will be posted on our class D2L page. Academic journal articles are available through the MSU library website (<https://lib.msu.edu/>), where you can enter the article title in the main search box. If you have any difficulty finding assigned materials, please contact me ASAP so I can make sure everyone has access to readings.

In addition to assigned readings, you are expected to keep track of news related to environmental governance around the world. Depending on the geographic region that interests you most, you may want to follow a reputable news source from that area. For reporting on US nationwide environmental topics, *The New York Times* (available online at a discounted rate, or in Case Hall) and *Los Angeles Times* have excellent reporting. *The Guardian* is known for its coverage of economic development and environmental politics from a European perspective. One particularly good English-language source for a developing country perspective on environmental governance is *The Hindu* (www.thehindu.com), published in Southern India.

Finally, I will of course be happy to recommend supplementary readings on topics that interest you, or on which you are writing a paper. And I am always happy to help you work through ways to search for relevant existing scholarship as you prepare your literature review.

Schedule and Assigned Readings [subject to change with reasonable notice]

Thursday, Sept 3 (Intro & Comparative Air Pollution Case Study) (mostly short news articles):

There is a lot of reading for the first day, though it is almost all short pieces from news reporting or article excerpts. Please read as much of this material as you can in preparation for our discussion. We will be comparing US, India, and China case studies through the questions on the last page of this document.

If you cannot open some of the New York Times articles easily, please note that you should be able to access them by signing up for an account through the ASMSU Readership Program

(<https://asmsu.msu.edu/home/services/717-2/>).

Challies, Edward, and Jens Newig. 2019. *What is 'environmental governance'? A working definition* 14 June 2019 [cited 19 June 2019]. <https://sustainability-governance.net/2019/06/14/what-is-environmental-governance-a-working-definition/>

Lemos, Maria Carmen, and Arun Agrawal. 2006. Environmental Governance. *Annual Review of Environment and Resources* 31(1): 297-325. [READ ONLY sections: "Defining Environmental Governance" (pages 298-299) and "The Terrain of Environmental Governance" (309-312)]. <http://www-personal.umich.edu/~arunagra/papers/publications/2006.%20Maria%20Carmen%20Lemos%20and%20Arun%20Agrawal.%20%20Environmental%20Governance.pdf>

Concerns about air pollution (threats to human security)

Somini Sengupta, "Air Pollution Is Shortening Your Life. Here's How Much," *New York Times*, August 22, 2018. <https://www.nytimes.com/2018/08/22/climate/air-pollution-deaths.html>

Malavika Vyawahare, "Air Pollution In India Led To Over 1 Lakh Child Deaths In 2016: WHO," *Huffington Post*, 29 Oct 2018. https://www.huffingtonpost.in/2018/10/29/air-pollution-in-india-led-to-over-1-lakh-child-deaths-in-2016-who_a_23574608/

Dan Levin, "Study Links Polluted Air in China to 1.6 Million Deaths a Year," *New York Times*, August 13, 2015. <http://www.nytimes.com/2015/08/14/world/asia/study-links-polluted-air-in-china-to-1-6-million-deaths-a-year.html>

Gardiner Harris, "Delhi Wakes Up to an Air Pollution Problem It Cannot Ignore," *New York Times*, February 14, 2015. <http://www.nytimes.com/2015/02/15/world/asia/delhi-wakes-up-to-an-air-pollution-problem-it-cannot-ignore.html>

Didi Kirsten Tatlow, "China Air Quality Study Has Good News and Bad News," *New York Times*, March 30, 2016. <https://www.nytimes.com/2016/03/31/world/asia/china-air-pollution-beijing-shanghai-guangzhou.html>

(Photos) Alan Taylor, "China's Toxic Sky," *The Atlantic*, January 30, 2013. <http://www.theatlantic.com/infocus/2013/01/chinas-toxic-sky/100449/3>

Nadja Popovich, "America's Skies Have Gotten Clearer, but Millions Still Breathe Unhealthy Air," *New York Times*, June 19, 2019. <https://www.nytimes.com/interactive/2019/06/19/climate/us-air-pollution-trump.html>

Hiroko Tabuchi, "In the Shadows of America's Smokestacks, Virus Is One More Deadly Risk," *New York Times*, May 17, 2020 (updated May 19). <https://www.nytimes.com/2020/05/17/climate/pollution-poverty-coronavirus.html>

Jonathan Kaiman, "China faces \$176bn bill to clean up air pollution," *The Guardian*, 20 December 2013. <http://www.theguardian.com/environment/2013/dec/20/china-bill-clean-air-pollution>

Jonathan Watts, "Air pollution inequality widens between rich and poor nations," *The Guardian*, 1 May 2018. <https://www.theguardian.com/environment/2018/may/01/air-pollution-inequality-widens-between-rich-and-poor-nations> [original study, maps, and data (NOT REQUIRED READING) available at <https://www.who.int/airpollution/data/en/>]

Edward Wong, "As Beijing Shuts Down Over Smog Alert, Worse-Off Neighbors Carry On," *New York Times*, December 9, 2015. <https://www.nytimes.com/2015/12/10/world/asia/beijing-air-pollution-red-alert.html>

Coral Davenport, "Pandemic's Cleaner Air Could Reshape What We Know About the Atmosphere," *New York Times*, June 25, 2020. <https://www.nytimes.com/2020/06/25/climate/coronavirus-clean-air.html>

Damian Carrington, "'Compelling' evidence air pollution worsens coronavirus – study," *The Guardian*, 13 July 2020. <https://www.theguardian.com/world/2020/jul/13/compelling-evidence-air-pollution-worsens-coronavirus-study>

Causes of Problematic Urban Air Quality

Edward Wong, "Coal Burning Causes the Most Air Pollution Deaths in China, Study Finds," *New York Times*, August 17, 2016. <https://www.nytimes.com/2016/08/18/world/asia/china-coal-health-smog-pollution.html>

Geeta Anand, "Farmers' Unchecked Crop Burning Fuels India's Air Pollution," *New York Times*, November 2, 2016. <https://www.nytimes.com/2016/11/03/world/asia/farmers-unchecked-crop-burning-fuels-indias-air-pollution.html>

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Jonathan Lambert, “Study Finds Racial Gap Between Who Causes Air Pollution And Who Breathes It,” National Public Radio, March 11, 2019. <https://www.npr.org/sections/health-shots/2019/03/11/702348935/study-finds-racial-gap-between-who-causes-air-pollution-and-who-breathes-it> [full study, not required reading: <https://www.pnas.org/content/116/13/6001>]

Private/Citizen Responses to Air Pollution

Anthony Kuhn, “For Some In China’s Middle Class, Pollution Is Spurring Action,” *NPR Morning Edition*, March 2, 2017. <http://www.npr.org/sections/parallels/2017/03/02/518173670/for-some-in-chinas-middle-class-pollution-is-spurring-action>

Lauren Frayer, “What Will Persuade Rice Farmers In Punjab To Stop Setting Fires In Their Fields?” *NPR Morning Edition*, November 21, 2018. <https://www.npr.org/669227134>

(addresses climate change rather than air quality itself) Hiroko Tabuchi and Lisa Friedman, “U.S. Cities, States and Businesses Pledge to Measure Emissions,” *New York Times*, July 11, 2017. <https://www.nytimes.com/2017/07/11/climate/cities-states-businesses-emissions-climate-pact.html>

(long article, but please at least skim or listen to the embedded audio version) Linda Villarosa, “Pollution Is Killing Black Americans. This Community Fought Back,” *New York Times Magazine* July 28, 2020. <https://www.nytimes.com/2020/07/28/magazine/pollution-philadelphia-black-americans.html>

Institutional Responses to Air Pollution

David Eimer, “Beijing Olympics: China to celebrate week of 'fresh air',” *The Telegraph*, August 2, 2008. <http://www.telegraph.co.uk/sport/olympics/2489141/Beijing-Olympics-China-to-celebrate-weekof-fresh-air.html>

Edward Wong, “China to Reward Cities and Regions Making Progress on Air Pollution,” *New York Times*, February 13, 2014. <http://www.nytimes.com/2014/02/14/world/asia/china-to-reward-localities-for-improving-air-quality.html>

Jennifer Duggan, “China deploys drones to spy on polluting industries,” *The Guardian*, 19 March 2014. <http://www.theguardian.com/environment/2014/mar/19/china-drones-pollution-smog-beijing>

Edward Wong, “Beijing Issues Red Alert Over Air Pollution for the First Time,” *New York Times*, December 7, 2015. <https://www.nytimes.com/2015/12/08/world/asia/beijing-pollution-red-alert.html>

Edward Wong, “Statistics from China Say Coal Consumption Continues to Drop,” *New York Times*, March 2, 2016. <https://www.nytimes.com/2016/03/03/world/asia/china-coal-consumption-down.html>

Edward Wong, “Nearly 14,000 Companies in China Violate Pollution Rules,” *New York Times*, June 13, 2017. <https://www.nytimes.com/2017/06/13/world/asia/china-companies-air-pollution-paris-agreement.html>

Chris Buckley and Keith Bradsher, “China Unveils Superagencies to Fight Pollution and Other Threats to Party Rule,” *New York Times*, March 13, 2018. <https://www.nytimes.com/2018/03/13/world/asia/china-xi-jinping-congress-pollution-corruption.html>

Nida Najar, “Despite Pollution, Coal Plant Is Cleared to Reopen in New Delhi,” *New York Times*, March 18, 2017. <https://mobile.nytimes.com/2017/03/18/world/asia/new-delhi-coal-plant-pollution.html>

Hiroko Tabuchi, Jack Ewing, and Matt Apuzzo, “6 Volkswagen Executives Charged as Company Pleads Guilty in Emissions Case,” *New York Times* Jan. 11, 2017. <https://www.nytimes.com/2017/01/11/business/volkswagen-diesel-vw-settlement-charges-criminal.html>

Coral Davenport, “Eastern States Press Midwest to Improve Air,” *New York Times*, December 9, 2013. <http://www.nytimes.com/2013/12/09/us/politics/eastern-states-press-midwest-to-improve-air.html>

Lisa Friedman, “Cost of New E.P.A. Coal Rules: Up to 1,400 More Deaths a Year,” *New York Times*, Aug. 21, 2018. <https://www.nytimes.com/2018/08/21/climate/epa-coal-pollution-deaths.html>

Coral Davenport and Lisa Friedman, “Trump, Citing Pandemic, Moves to Weaken Two Key Environmental Protections,” *New York Times*, June 4, 2020. <https://www.nytimes.com/2020/06/04/climate/trump-environment-coronavirus.html>

(outside of the case study areas, but recommended – not required – reading) Emily Kwong, “Mongolia’s Capital Banned Coal To Fix Its Pollution Problem. Will It Work?” *NPR Morning Edition*, July 30, 2019. <https://www.npr.org/727688757>

(addresses climate change rather than air quality itself) Adam Liptak and Coral Davenport, “[Supreme Court Deals Blow to Obama’s Efforts to Regulate Coal Emissions](#),” *New York Times*, February 9, 2016.

RECOMMENDED (not required):

Rohini Chatterji, “[Delhi’s Air Pollution Levels Are Making People Really, Really Sick](#),” *Huffington Post*, 4 Nov 2019.

Nives Dolsak and Aseem Prakash, “[Saving Delhi From The Toxic Smog: Regulations Have Failed But Financial Incentives Could Work](#),” *Forbes*, Nov. 2, 2019.

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- Huffington Post Newsroom, “[Odd-Even Begins In Delhi: Vehicle Numbers Ending With Even Digit Allowed On Roads Today](#),” *Huffington Post*, 4 Nov 2019.
- Narain, Urvashi and Ruth Greenspan Bell, “Who Changed Delhi’s Air? The Roles of the Court and the Executive in Environmental Policymaking,” *Resources for the Future Discussion Paper*, RFF DP 05-48 (December 2005). <http://www.rff.org/documents/RFF-DP-05-48.pdf>
- Raik, Daniela B., Arthur L. Wilson, and Daniel J. Decker. 2008. Power in Natural Resources Management: An Application of Theory. *Society & Natural Resources* 21(8): 729-39.
- Meryl Sebastian, “[‘Stop Blaming Farmers’: MS Swaminathan To Delhi, Punjab Govts On Crop Burning](#),” *Huffington Post*, 4 Nov 2019.
- Young, Oran R. et al.. 2015. Institutionalized Governance Processes: Comparing Environmental Problem Solving in China and the United States. *Global Environmental Change* 31: 163-73.

Tuesday, Sept 8 – Defining/measuring environmental success & human/environmental security

GUEST SPEAKERS, 2nd half of session: [Dr Jennifer Hodbod](#), MSU Dept. of Community Sustainability and [Dr Helen Adams](#), King’s College London Dept. of Geography (co-authors of the Adger et al reading) [Please send questions for them in advance]

- Selections from Wendling, Z. A., Emerson, J. W., de Sherbinin, A., Esty, D. C., et al. (2020). *2020 Environmental Performance Index*. New Haven, CT: Yale Center for Environmental Law & Policy. <https://epi.yale.edu> [PLEASE READ [Policy Makers’ Summary](#) and SELECT [one country and one category](#) to explore further]
- Adger, W.N., J.M. Pulhin, J. Barnett, G.D. Dabelko, G.K. Hovelsrud, M. Levy, Ú. Oswald Spring, and C.H. Vogel. 2014. Human Security. In *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, edited by C.B. Field, V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea and L.L. White, 755-91. Cambridge, UK and New York, NY: Cambridge University Press. https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap12_FINAL.pdf [**READ ONLY pp. 755-771**, and save remainder of chapter for Sept 22]
- Somini Sengupta, “Climate Change Is Driving People From Home. So Why Don’t They Count as Refugees?,” *New York Times*, Dec. 21, 2017. <https://www.nytimes.com/2017/12/21/climate/climate-refugees.html>

Recommended for Sept 8:

- King, Keohane, and Verba. 1994, chapter 2 on descriptive research (skip formal models)
- Gerring, John. 2012. Mere Description. *British Journal of Political Science* 42(04): 721-46.
- Engle, Nathan L. 2011. Adaptive Capacity and Its Assessment. *Global Environmental Change* 21(2): 647-56.
- Allison, Edward H., Allison L. Perry, Marie-Caroline Badjeck, W. Neil Adger, Katrina Brown, Declan Conway, Ashley S. Halls, Graham M. Pilling, John D. Reynolds, Neil L. Andrew, and Nicholas K. Dulvy. 2009. Vulnerability of National Economies to the Impacts of Climate Change on Fisheries. *Fish and Fisheries* 10: 173-96.
- Nelson, Donald R., W. Neil Adger, and Katrina Brown. 2007. Adaptation to Environmental Change: Contributions of a Resilience Framework. *Annual Review of Environment and Resources* 32(1): 395-419.
- Parris, Thomas M. and Kates, Robert W. 2003. “Characterizing and measuring sustainable development”. *Annual Review of Environment and Resources* 28: 559-586.
- Leite, M., H. Ross, and F. Berkes. 2019. “Interactions between individual, household, and fishing community resilience in southeast Brazil.” *Ecology and Society* 24(3):2. <https://www.ecologyandsociety.org/vol24/iss3/art2/>

Thurs, Sept 10 - People and the Environment (1) – Human Security, Consumption & Production/Livelihoods

- Abby Goodnough, “Their Soil Toxic, 1,100 Indiana Residents Scramble to Find New Homes,” *New York Times*, Aug. 30, 2016. <https://www.nytimes.com/2016/08/31/us/lead-contamination-public-housing-east-chicago-indiana.html>
- Serena Solomon, “On a Fijian Island, Hunters Become Conservators of Endangered Turtles,” *New York Times*, January 2, 2017. <https://www.nytimes.com/2017/01/02/world/asia/on-a-fijian-island-hunters-become-conservators-of-endangered-turtles.html>

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- Jack Losh, "Conservation in crisis: why Covid-19 could push mountain gorillas back to the brink," *The Guardian*, 5 May 2020. <https://www.theguardian.com/environment/2020/may/05/conservation-in-crisis-covid-19-could-push-mountain-gorillas-back-to-the-brink-aoe>
- Ari Shapiro, "India's Big Battle: Development Vs. Pollution," *NPR All Things Considered*, May 13, 2016. <http://www.npr.org/2016/05/13/477930821/indias-big-battle-development-vs-pollution>
- Brashares, Justin S., Christopher D. Golden, Karen Z. Weinbaum, Christopher B. Barrett, and Grace V. Okello. 2011. Economic and Geographic Drivers of Wildlife Consumption in Rural Africa. *Proceedings of the National Academy of Sciences* 108(34): 13931-36.
- Lemos, Maria Carmen, and Arun Agrawal. 2006. Environmental Governance. *Annual Review Environment and Resources* 31(1): 297-325. [**READ ONLY** "Market- and Agent-Focused Instruments" and "Cross-Scale Environmental Governance" (**pages 305-309**)]

Recommended:

- Michael Slezak, "Climate change predicted to halve coffee-growing area that supports 120m people," *The Guardian*, 29 Aug 2016. <https://www.theguardian.com/environment/2016/aug/29/climate-change-predicted-to-halve-coffee-growing-area-that-supports-120m-people>
- Madhav Gadgil and Ramachandra Guha, 1992. *This Fissured Land: An Ecological History of India*. Delhi: Oxford University Press. Prologue and Chapter 1 (PAGES 1-53 and Tables/Appendix on 60-68)
- The Guardian. 2015. "Episode 5: Economics," *The Biggest Story in the World Podcast*. <http://www.theguardian.com/environment/ng-interactive/2015/mar/16/the-biggest-story-in-the-world>
- Fairbrother, Malcolm. 2019. "When Will People Pay to Pollute? Environmental Taxes, Political Trust and Experimental Evidence from Britain." *British Journal of Political Science* 49 (2):661-82.
- Christopher W. Tessum, et al. 2019. Inequity in consumption of goods and services adds to racial–ethnic disparities in air pollution exposure. *Proceedings of the National Academy of Sciences* 116(13): 6001-6006
- Barrett, Christopher B., Alexander J. Travis, and Partha Dasgupta. 2011. On Biodiversity Conservation and Poverty Traps. *Proceedings of the National Academy of Sciences* 108(34): 13907-12.
- Dasgupta, Susmita, Benoit Laplante, Hua Wang, and David Wheeler. 2002. Confronting the Environmental Kuznets Curve. *The Journal of Economic Perspectives* 16(1): 147-68.
- Klein, Carissa, Madeleine C. McKinnon, Becky Twohey Wright, Hugh P. Possingham, and Benjamin S. Halpern. 2015. Social Equity and the Probability of Success of Biodiversity Conservation. *Global Environmental Change* 35: 299-306.
- Bozigar, Matthew, Clark L. Gray, and Richard E. Bilsborrow. 2016. Oil Extraction and Indigenous Livelihoods in the Northern Ecuadorian Amazon. *World Development* 78: 125-35.

Tues, Sept 15 - Resource Contestation and Conflict (1) – scarcity, abundance, insecurity

- Ostrom, Elinor. 1990. *Governing the Commons: The Evolution of Institutions for Collective Action*. Cambridge, England: Cambridge University Press. [reserve] [READ ONLY pp. 1-7]
- Klaus, Kathleen, and Matthew I Mitchell. 2015. Land Grievances and the Mobilization of Electoral Violence. *Journal of Peace Research* 52(5): 622-35.
- Ide, Tobias. 2015. Why Do Conflicts over Scarce Renewable Resources Turn Violent? A Qualitative Comparative Analysis. *Global Environmental Change* 33: 61-70.
- Jeffrey Gettleman, "Loss of Fertile Land Fuels 'Looming Crisis' Across Africa," *New York Times*, July 29, 2017. <https://mobile.nytimes.com/2017/07/29/world/africa/africa-climate-change-kenya-land-disputes.html>

Recommended:

- Garrett Hardin, "The Tragedy of the Commons," *Science* 162(3859): 1243-1248 (1968). [though note the concept has been corrupted for racist aims, including by Hardin himself]
- Asal, Victor, Michael Findley, James A. Piazza, and James Igoe Walsh. 2016. Political Exclusion, Oil, and Ethnic Armed Conflict. *Journal of Conflict Resolution* 60(8): 1343-67.
- Khagram, Sanjeev, and Saleem Ali. 2006. Environment and Security. *Annual Review of Environment and Resources* 31(1): 395-411. [Focus on pages 14.1-14.7 & 14.11-14.13] <http://www.uvm.edu/~shali/KhagramAli.pdf>
- Ross, Michael L. 2004. How Do Natural Resources Influence Civil War? Evidence from Thirteen Cases. *International Organization* 58(01): 35-67.
- Urdal, Henrik. 2008. "Population, Resources, and Political Violence." *Journal of Conflict Resolution* 52 (4):590-617.

Thurs, Sept 17 - Resource Contestation and Conflict (2) – Transboundary Resource Competition and Conflict

- Koubi, Vally, Gabriele Spilker, Tobias Böhmelt, and Thomas Bernauer. 2014. "Do Natural Resources Matter for Interstate and Intrastate Armed Conflict?" *Journal of Peace Research* 51(2): 227-43.
- Findley, Michael G., and Josiah F. Marineau. 2015. Lootable Resources and Third-Party Intervention into Civil Wars. *Conflict Management and Peace Science* 32(5): 465-86.

Recommended:

- Brochmann, Marit, and Nils Petter Gleditsch. 2012. Shared Rivers and Conflict – a Reconsideration. *Political Geography* 31(8): 519-27.
- Colgan, Jeff D. 2010. Oil and Revolutionary Governments: Fuel for International Conflict. *International Organization* 64(4): 661-94.
- Homer-Dixon, Thomas F.; Boutwell, Jeffrey H.; Rathjens, George W. 1993. Environmental Change and Violent Conflict: Growing Scarcities of Renewable Resources Can Contribute to Social Instability and Civil Strife. *Scientific American* 268(2): 38-45.
- Axelrod, Mark, Houston Smith, Julia Novak Colwell, and Mykala Ford, "Transboundary Resource Conflict Intensification and Deescalation: Maritime Violence between India and Sri Lanka," (unpublished manuscript)

Tues, Sept 22 - Resource Contestation and Conflict (3) – Climate Change & Violent Conflict

- Adger, W.N., J.M. Pulhin, J. Barnett, G.D. Dabelko, G.K. Hovelsrud, M. Levy, Ú. Oswald Spring, and C.H. Vogel. 2014. Human Security. In *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, edited by C.B. Field, V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea and L.L. White, 755-91. Cambridge, UK and New York, NY: Cambridge University Press. https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap12_FINAL.pdf **READ ONLY PAGES 771-791**

- Ide, Tobias, Michael Brzoska, Jonathan F. Donges, and Carl-Friedrich Schleussner. 2020. "Multi-method evidence for when and how climate-related disasters contribute to armed conflict risk." *Global Environmental Change* 62:

- Ide, Tobias. 2018. "Climate War in the Middle East? Drought, the Syrian Civil War and the State of Climate-Conflict Research." *Current Climate Change Reports* 4 (4): 347-354.

Recommended:

- Ash, Konstantin, and Nick Obradovich. 2020. "Climatic Stress, Internal Migration, and Syrian Civil War Onset." *Journal of Conflict Resolution* 64 (1): 3-31.
- De Juan, Alexander, and Tim Wegenast. 2019. "Temperatures, food riots, and adaptation: A long-term historical analysis of England." *Journal of Peace Research*, in press.
- Detges, Adrien. 2016. Local Conditions of Drought-Related Violence in Sub-Saharan Africa. *Journal of Peace Research* 53(5): 696-710.
- Hsiang, Solomon M., Marshall Burke, and Edward Miguel. 2013. Quantifying the Influence of Climate on Human Conflict. *Science* 341(6151).
- Ide, Tobias, Miguel Rodriguez Lopez, Christiane Fröhlich, and Jürgen Scheffran. "Pathways to water conflict during drought in the MENA region." *Journal of Peace Research*, in press.
- van Weezel, Stijn. 2019. "On climate and conflict: Precipitation decline and communal conflict in Ethiopia and Kenya." *Journal of Peace Research* 56 (4):514-28.
- von Uexkull, Nina, Marco d'Errico, and Julius Jackson. "Drought, Resilience, and Support for Violence: Household Survey Evidence from DR Congo." *Journal of Conflict Resolution*, in press.
- Yin, Weiwen. 2020. "Climate Shocks, Political Institutions, and Nomadic Invasions in Early Modern East Asia." *Journal of Conflict Resolution* 64 (6): 1043-1069.

Thurs, Sept 24 - People and the Environment (2) – Scientific Inputs

Benjamin, Ruha. 2019. "Assessing risk, automating racism." *Science* 366 (6464): 421-422.

Daw, Tim and Tim Gray, "Fisheries science and sustainability in international policy: a study of failure in the European Union's Common Fisheries Policy." *Marine Policy* 29 (3):189-97 (2005).

Halpern, Scott D., Robert D. Truog, and Franklin G. Miller. 2020. "Cognitive Bias and Public Health Policy During the COVID-19 Pandemic." *JAMA* 324 (4): 337-338.

Leiserowitz, Anthony A., Edward W. Maibach, Connie Roser-Renouf, Nicholas Smith, and Erica Dawson. 2013. Climategate, Public Opinion, and the Loss of Trust. *American Behavioral Scientist* 57(6): 818-37.

Leo Hickman, "Climate change study forces sceptical scientists to change minds," *The Guardian*, July 29, 2012. <http://www.theguardian.com/science/2012/jul/29/climate-change-sceptics-change-mind>

Recommended:

- Overland, Indra, and Benjamin K. Sovacool. 2020. "The misallocation of climate research funding." *Energy Research & Social Science* 62: 101349.
- Perlman, Rebecca L. 2020. "For Safety or Profit? How Science Serves the Strategic Interests of Private Actors." *American Journal of Political Science* 64 (2): 293-308.

Tues, Sept 29 - People and the Environment (3) – Cultural Inputs

[Preliminary Research Question, Literature Review, and Hypotheses due at beginning of class]

Lynn White, Jr., "Historical Roots of Our Ecological Crisis," *Science* 155(3767):1203-1207 (1967).

Azcona, Ivett, Erin Estrad Lugo, Ana Arce Ibarra, and Eduardo Baltazar. 2020. "Meanings of Conservation in Zapotec Communities of Oaxaca, Mexico." *Conservation and Society* 18 (2): 172-182.

Coulthard, Sarah. 2008. Adapting to Environmental Change in Artisanal Fisheries—Insights from a South Indian Lagoon. *Global Environmental Change* 18(3): 479-89.

Justin Gillis, "For Faithful, Social Justice Goals Demand Action on Environment," *New York Times*, June 20, 2015. <https://www.nytimes.com/2015/06/21/science/earth/for-faithful-social-justice-goals-demand-action-on-environment.html>

Stephanie Kirchgaessner, "Pope's climate change encyclical tells rich nations: pay your debt to the poor," *The Guardian*, 18 June 2015. <http://gu.com/p/49qmh/sbl>

[full text of the encyclical (NOT REQUIRED READING):

http://w2.vatican.va/content/francesco/en/encyclicals/documents/papa-francesco_20150524_enciclica-laudato-si.html]

Recommended:

- The Guardian. 2015. "Episode 8: The US" and "Episode 9: Religion". *The Biggest Story in the World Podcast*. <http://www.theguardian.com/environment/ng-interactive/2015/mar/16/the-biggest-story-in-the-world>
- Gadgil and Guha, *This Fissured Land*, chapters 2 and 3
- Konisky, David M. "The Greening of Christianity? A Study of Environmental Attitudes over Time." *Environmental Politics* 27(2): 267-91.
- Aboul-Enein, Basil H. "'The Earth Is Your Mosque': Narrative Perspectives of Environmental Health and Education in the Holy Quran." *Journal of Environmental Studies and Sciences* 8, no. 1 (2018): 22-31.
- O. P. Dwivedi, and B.N. Tiwari, "Environmental Protection in the Hindu Religion," in George A. James, ed., *Ethical Perspectives on Environmental Issues in India* (New Delhi: A.P.H. Publishing, 1999).
- Conrad L. Kanagy, and Hart M. Nelsen, "Religion and Environmental Concern: Challenging the Dominant Assumptions," *Review of Religious Research*, 37(1): 33-45 (1995).
- Johan Colding and Carl Folke, "The Taboo System: Lessons about Informal Institutions for Nature Management," *Georgetown Int'l Environmental Law Review* 12:413 (2000).

Thurs, Oct 1 - Government Motivations for Policy Development, Change, & Implementation

Stokes, Leah Cardamore. 2020. *Short circuiting policy: interest groups and the battle over clean energy and climate policy in the American states*. New York, NY: Oxford University Press, CHAPTER 1 [available as e-book through [MSU Library](#)]

MC492 Syllabus (Fall 2020 – Governance, Rights, and Resources)

Ashwini Chhatre and Vasant Saberwal, "Political Incentives for Biodiversity Conservation," *Conservation Biology* 19 (2): 310-317 (2005).

Akshay Deshmane, "[Exclusive: Documents Show How Javadekar And Harsh Vardhan Diluted India's Green Law](#)," *Huffington Post*, 3 July 2020

Lisa Friedman and Katie Glueck, "With Dueling Environmental Events, Trump and Biden Define the Race," *New York Times*, July 15, 2020. <https://www.nytimes.com/2020/07/15/climate/trump-biden-environment.html>

Recommended:

- Dipoppa, Gemma, and Guy Grossman. 2020. "The Effect of Election Proximity on Government Responsiveness and Citizens' Participation: Evidence From English Local Elections." *Comparative Political Studies* 53 (14): 2183-2212.

Tues, Oct 6 - Governance structures to address resource contestation

Ostrom, Elinor, Joanna Burger, Christopher B. Field, Richard B. Norgaard, and David Policansky. 1999. "Revisiting the Commons: Local Lessons, Global Challenges." *Science* 284 (5412):278-82.

Linke, Andrew M., John O'Loughlin, J. Terrence McCabe, Jaroslav Tir, and Frank D. W. Witmer. 2015. Rainfall Variability and Violence in Rural Kenya: Investigating the Effects of Drought and the Role of Local Institutions with Survey Data. *Global Environmental Change* 34: 35-47.

Recommended:

- Ostrom, Elinor. 1990. *Governing the Commons: The Evolution of Institutions for Collective Action*. Cambridge, England: Cambridge University Press. [reserve] [chapter 3, PAGES 58-101]
- Kashwan, Prakash. 2017. *Democracy in the Woods: Environmental Conservation and Social Justice in India, Tanzania, and Mexico*. New York: Oxford University Press (especially Chapter 1)
- Bromley, Daniel W., and David Feeny. 1992. *Making the commons work: theory, practice, and policy*. San Francisco, Calif.: ICS Press.
- McKean, Margaret A. 1992. Success on the Commons: A Comparative Examination of Institutions for Common Property Resource Management *Journal of Theoretical Politics* 4(3): 247-81.
- Weinthal, Erika, Jessica Troell, and Mikiyasu Nakayama. 2011. Water and Post-Conflict Peacebuilding: Introduction. *Water International* 36(2): 143-53.

Thurs, Oct 8 – panel session on how government actors use inputs to their decision processes (10:30-11:30) – including State Rep. Julie Brixie and officials from the Michigan Department of Environment, Great Lakes and Energy (EGLE)

Reading materials will be included with assignment for policy brief/presentation

Tues, Oct 13 – Governance Capacity

Eric Lipton and Danielle Ivory, "Under Trump, E.P.A. Has Slowed Actions Against Polluters, and Put Limits on Enforcement Officers," *New York Times* Dec. 10, 2017.

<https://www.nytimes.com/2017/12/10/us/politics/pollution-epa-regulations.html>

Ernesto Londoño, Manuela Andreoni and Letícia Casado, "Amazon Deforestation Soars as Pandemic Hobbles Enforcement," *New York Times*, June 6, 2020.

<https://www.nytimes.com/2020/06/06/world/americas/amazon-deforestation-brazil.html>

Bennett, Nathan J., Antonio Di Franco, Antonio Caldò, Elizabeth Nethery, Federico Niccolini, Marco Milazzo, and Paolo Guidetti. 2019. "Local support for conservation is associated with perceptions of good governance, social impacts, and ecological effectiveness." *Conservation Letters* 12 (4): e12640.

Johnson, McKenzie F. 2019. "Who governs here? Informal resource extraction, state enforcement, and conflict in Ghana." *Global Environmental Change* 58:101959.

Recommended:

- Martin Janicke, "Political System's Capacity for Environmental Policy: The Framework for Comparison." in *Capacity Building in National Environmental Policy: A Comparative Study of 17 Countries*, ed. H. Weidner and M. Janicke (2002).

MC492 Syllabus (Fall 2020 – Governance, Rights, and Resources)

- Gillard, Ross, Andrew Gouldson, Jouni Paavola, and James Van Alstine. 2017. "Can National Policy Blockages Accelerate the Development of Polycentric Governance? Evidence from Climate Change Policy in the United Kingdom." *Global Environmental Change* 45: 174-82.
- Rana, Pushpendra, and Ashwini Chhatre. 2016. Rules and Exceptions: Regulatory Challenges to Private Tree Felling in Northern India. *World Development* 77: 143-53.
- Jonathan Schwartz, "The Impact of State Capacity on Enforcement of Environmental Policies: The Case of China," *The Journal of Environment and Development* 12(1): 50-81 (2003).

Part II: Who Governs?

Thurs, Oct 15 - Political Systems and Governing Institutions – Explaining Policy

Outcomes?

Kashwan, Prakash. 2017. Inequality, Democracy, and the Environment: A Cross-National Analysis. *Ecological Economics* 131: 139-51.

Young, Oran R. et al.. 2015. Institutionalized Governance Processes: Comparing Environmental Problem Solving in China and the United States. *Global Environmental Change* 31: 163-73.

Jennifer Duggan, "Is China really a climate change leader?" *The Guardian*, May 2, 2013.

<http://www.theguardian.com/environment/chinas-choice/2013/may/02/china-climate-change-leader>

Recommended:

- Bruun, Ole. 2020. "Environmental Protection in the Hands of the State: Authoritarian Environmentalism and Popular Perceptions in Vietnam." *The Journal of Environment & Development* 29 (2): 171-195.
- Korppoo, Anna. 2016. Who Is Driving Russian Climate Policy? Applying and Adjusting Veto Players Theory to a Non-Democracy. *International Environmental Agreements: Politics, Law and Economics* 16(5): 639-53.
- Aklin, Michaël, and Johannes Urpelainen. 2013. Political Competition, Path Dependence, and the Strategy of Sustainable Energy Transitions. *American Journal of Political Science* 57(3): 643-58.
- Kashwan, Prakash. 2017. *Democracy in the Woods: Environmental Conservation and Social Justice in India, Tanzania, and Mexico*. New York, NY: Oxford University Press, chapter 4.
- De Soysa, Indra, Jennifer Bailey, and Eric Neumayer, "Free to Squander? Democracy and Sustainable Development, 1975-2000." In *Global environmental change and human security*, eds. R. A. Matthew, J. Barnett, et al. Cambridge, Mass.: MIT Press (2010). [e-book from MSU library]
- Buitenzorgy, Meilanie, and Arthur P. J. Mol. 2011. "Does Democracy Lead to a Better Environment? Deforestation and the Democratic Transition Peak." *Environmental and Resource Economics* 48 (1):59-70.
- Neumayer, Eric. 2002. "Do democracies exhibit stronger international environmental commitment?" *Journal of Peace Research* 39 (2):139-64.
- Shapiro, Judith. 2001. *Mao's War against Nature: Politics and the Environment in Revolutionary China*, *Studies in Environment and History*. Cambridge; New York: Cambridge University Press.

Highly Recommended for research design:

- Vanhala, Lisa. 2017. "Process Tracing in the Study of Environmental Politics." *Global Environmental Politics* 17 (4): 88-105.
- King, Gary, Robert O. Keohane, and Sidney Verba. 1994. *Designing social inquiry: scientific inference in qualitative research*. Princeton, NJ: Princeton University Press.
- Beach, Derek, and Rasmus Brun Pedersen. 2013. *Process-Tracing Methods: Foundations and Guidelines*. Ann Arbor: University of Michigan Press.

Tues, Oct 20 - External Influences: Colonial Rulers and Territorial Control

Gadgil, Madhav and Guha, Ramachandra. 1992. *This Fissured Land*. Delhi: Oxford University Press, chapter 4 [reserve].

Gretchen Whitmer. 2019. [Executive Directive on State-Tribal Relations \(2019-17\)](#), October 31, State of Michigan.

Mark Landler and James Risen, "Trump Finds Reason for the U.S. to Remain in Afghanistan: Minerals," *New York Times*, July 25, 2017. <https://www.nytimes.com/2017/07/25/world/asia/afghanistan-trump-mineral-deposits.html>

Harriet Sherwood, "Israel accused of pillaging Dead Sea resources in occupied territory," *The Guardian*, September 2, 2012. <http://www.theguardian.com/world/2012/sep/03/israel-accused-dead-sea-occupied>

Thurs, Oct 22 – External Influences: “Neocolonialism” (1) – International Institutions

Buntaine, Mark T., Bradley C. Parks, and Benjamin P. Buch. "Aiming at the Wrong Targets: The Domestic Consequences of International Efforts to Build Institutions." *International Studies Quarterly* 61, no. 2 (2017): 471-88.

Winanti, Poppy Sulistyanning, and Hasrul Hanif. "When global norms meet local politics: Localising transparency in extractive industries governance." *Environmental Policy and Governance*, in press.

Johnson, McKenzie F. 2017. Institutional Change in a Conflict Setting: Afghanistan’s Environment Law. *European Journal of International Relations* 23(1): 168-91.

Recommended:

- Kaczynski, Vlad M., and David L. Fluharty. 2002. "European policies in West Africa: who benefits from fisheries agreements?" *Marine Policy* 26 (2):75-93.
- Kolk, Ans. 1998. "From conflict to cooperation: International policies to protect the Brazilian Amazon." *World Development* 26 (8):1481-93.
- Kashwan, Prakash. 2015. Forest Policy, Institutions, and Redd+ in India, Tanzania, and Mexico. *Global Environmental Politics* 15(3): 95-117.

Tues, Oct 27 – External Influences: “Neocolonialism” (2) – Global Markets

Lemos, Maria Carmen, and Arun Agrawal. 2006. Environmental Governance. *Annual Review of Environment and Resources* 31(1): 297-325. [READ ONLY “Globalization and Environmental Governance” (299-302)]

Mike Ives, “Laos Dam Failure Exposes Cracks in a Secretive Government’s Agenda,” *New York Times*, July 29, 2018. <https://www.nytimes.com/2018/07/29/world/asia/laos-dam-response-government.html>

Clifford Krauss and Keith Bradsher, “China’s Global Ambitions, With Loans and Strings Attached,” *New York Times*, July 24, 2015. <http://www.nytimes.com/2015/07/26/business/international/chinas-global-ambitions-with-loans-and-strings-attached.html> [and see investment data: <http://www.nytimes.com/interactive/2015/07/24/business/international/the-world-according-to-china-investment-maps.html>]

Julie Turkewitz and Manuela Andreoni, “The Amazon, Giver of Life, Unleashes the Pandemic,” *New York Times*, July 25, 2020. <https://www.nytimes.com/interactive/2020/07/25/world/americas/coronavirus-brazil-amazon.html>

Manuela Andreoni, “Brazil Angrily Rejects Millions in Amazon Aid Pledged at G7, Then Accepts British Aid,” *New York Times*, Aug. 27, 2019. <https://www.nytimes.com/2019/08/27/world/americas/brazil-amazon-aid.html>

Ernesto Londoño and Leticia Casado, “Under Pressure, Brazil’s Bolsonaro Forced to Fight Deforestation,” *New York Times*, Aug. 1, 2020. <https://www.nytimes.com/2020/08/01/world/americas/Brazil-amazon-deforestation-bolsonaro.html>

Johnson, McKenzie F. 2019. "Strong (green) institutions in weak states: Environmental governance and human (in)security in the Global South." *World Development* 122:433-45.

Garcia-Johnson, Ronie. 2000. *Exporting environmentalism: U.S. multinational chemical corporations in Brazil and Mexico*. Cambridge, MA: MIT Press, pages 85-109. [reserve]

Recommended:

- Steinberg, Jessica. 2019. *Mines, Communities, and States: The Local Politics of Natural Resource Extraction in Africa*. Cambridge: Cambridge University Press.
- Prakash, Aseem, and Matthew Potoski. 2006. Racing to the Bottom?: Trade, Environmental Governance, and ISO 14001. *American Journal of Political Science* 50(2): 350-64.
- Erica Goode, “Cuba’s Environmental Concerns Grow with Prospect of U.S. Presence,” *New York Times*, July 1, 2015. <http://www.nytimes.com/2015/07/02/science/earth/cubas-environmental-concerns-grow-with-prospect-of-us-presence.html>

Thurs, Oct 29 - Environmental Justice (1)

[First draft of research paper due at beginning of class]

Hamilton, James T. 1995. Testing for Environmental Racism: Prejudice, Profits, Political Power? *Journal of Policy Analysis and Management* 14(1): 107-32.

MC492 Syllabus (Fall 2020 – Governance, Rights, and Resources)

Brad Plumer and Nadja Popovich, “How Decades of Racist Housing Policy Left Neighborhoods Sweltering,” *New York Times*, Aug. 24, 2020.

<https://www.nytimes.com/interactive/2020/08/24/climate/racism-redlining-cities-global-warming.html>

Katherine Bagley, “Connecting the Dots Between Environmental Injustice and the Coronavirus,” *Yale Environment 360*, May 7, 2020. <https://e360.yale.edu/features/connecting-the-dots-between-environmental-injustice-and-the-coronavirus>

Roy, Arundhati. 1999. *The greater common good*. available from <http://www.narmada.org/gcg/gcg.html>

Recommended:

- Hanna-Attisha, Mona, Jenny LaChance, Richard Casey Sadler, and Allison Champney Schnepf. 2016. Elevated Blood Lead Levels in Children Associated with the Flint Drinking Water Crisis: A Spatial Analysis of Risk and Public Health Response. *American Journal of Public Health* 106(2): 283-90.
- Saha, Robin and Paul Mohai. 2005. “Historical Context and Hazardous Waste Facility Siting: Understanding Temporal Patterns in Michigan,” *Social Problems*, 52(4): 618-648.

Tues, Nov 3 – Election Day

[Observe how environment topics have been addressed in local, state, and national election coverage]

Thurs, Nov 5 - Environmental Justice (2)

Anna Maria Barry-Jester, “What Went Wrong In Flint,” *FiveThirtyEight*, Jan. 26, 2016.

<https://fivethirtyeight.com/features/what-went-wrong-in-flint-water-crisis-michigan/> (includes podcast – not required – at the bottom of the page)

Sadler, Richard Casey, and Andrew R. Highsmith. "Rethinking Tiebout: The Contribution of Political Fragmentation and Racial/Economic Segregation to the Flint Water Crisis." *Environmental Justice* 9, no. 5 (2016): 143-51.

Brosemer, Kathleen, Chelsea Schelly, Valoree Gagnon, Kristin L. Arola, Joshua M. Pearce, Douglas Bessette, and Laura Schmitt Olabisi. 2020. "The energy crises revealed by COVID: Intersections of Indigeneity, inequity, and health." *Energy Research & Social Science* 68: 101661

Eastin, Joshua. "Climate Change and Gender Equality in Developing States." *World Development* 107 (2018/07/01/ 2018): 289-305.

Recommended:

- Arora-Jonsson, Seema. 2011. Virtue and Vulnerability: Discourses on Women, Gender and Climate Change. *Global Environmental Change* 21(2): 744-51.
- Allison, Edward H., Blake D. Ratner, Björn Åsgård, Rolf Willmann, Robert Pomeroy, and John Kurien. 2012. Rights-Based Fisheries Governance: From Fishing Rights to Human Rights. *Fish and Fisheries* 13(1): 14-29.
- Novak Colwell, Julia M., Mark Axelrod, Shyam S. Salim, and S. Velvizhi. 2017. A Gendered Analysis of Fisherfolk’s Livelihood Adaptation and Coping Responses in the Face of a Seasonal Fishing Ban in Tamil Nadu & Puducherry, India. *World Development* 98: 325-37.

Tues, Nov 10 - Decentralization and Federalism

Camila Domonoske, “Carmakers To White House: Work With California On Rules For Greenhouse Gases,” *NPR All Things Considered*, June 6, 2019. <https://www.npr.org/2019/06/06/730485234/carmakers-to-white-house-work-with-california-on-rules-for-greenhouse-gases>

Lemos, Maria Carmen, and Arun Agrawal. 2006. Environmental Governance. *Annual Review of Environment and Resources* 31(1): 297-325. [READ ONLY “Decentralized Environmental Governance” (302-305)]

Monogan, James E., David M. Konisky, and Neal D. Woods. 2017. Gone with the Wind: Federalism and the Strategic Location of Air Polluters. *American Journal of Political Science* 61(2): 257-70.

Scholtens, Joeri, and Maarten Bavinck. 2013. South Indian Trawl Fisheries – Assessing Their Governability. In *Governability of Fisheries and Aquaculture*, edited by Maarten Bavinck, Ratana Chuenpagdee, Svein Jentoft and Jan Kooiman, 177-99: Springer Netherlands.

http://link.springer.com/chapter/10.1007%2F978-94-007-6107-0_10#

Recommended:

MC492 Syllabus (Fall 2020 – Governance, Rights, and Resources)

- Russell, Aaron and Tracy Dobson. 2011. "Chiefs as Critical Partners for Decentralized Governance of Fisheries: An Analysis of Co-Management Case Studies in Malawi." *Society and Natural Resources* 24 (7):734-50.
- *Evans, Laura E., Nives Dolšak, Megan T. Plog, and Aseem Prakash. 2020. "Native American tribal governments, cross-sectoral climate policy, and the role of intertribal networks." *Climatic Change* 160 (1): 35-43.
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Thurs, Nov 12 - Civil Society and Interest Groups

Revisit Leah Stokes' work from earlier in the semester

Linda Villarosa, "Pollution Is Killing Black Americans. This Community Fought Back," *New York Times Magazine* July 28, 2020. <https://www.nytimes.com/2020/07/28/magazine/pollution-philadelphia-black-americans.html>

Tania Branigan, "Anti-pollution protesters halt construction of copper plant in China," *The Guardian*, July 3, 2012. <http://www.theguardian.com/world/2012/jul/03/china-anti-pollution-protest-copper>

Denis D. Gray, "Killings of environmentalists appear to be on rise," *Associated Press*, June 20, 2012. <http://bigstory.ap.org/article/killings-environmentalists-appear-be-rise>

Hiroko Tabuchi, "How the Koch Brothers Are Killing Public Transit Projects Around the Country," *New York Times*, June 19, 2018. <https://www.nytimes.com/2018/06/19/climate/koch-brothers-public-transit.html>

Hadden, Jennifer, and Lorien Jasny. 2019. "The Power of Peers: How Transnational Advocacy Networks Shape NGO Strategies on Climate Change." *British Journal of Political Science* 49 (2):637-59.

Cook, Jeffrey J. "Framing the Debate: How Interest Groups Influence Draft Rules at the United States Environmental Protection Agency." *Environmental Policy & Governance*, 28: 3 (2018): 183-91.

Recommended:

- Böhmelt, Tobias. 2014. Political Opportunity Structures in Dictatorships? Explaining ENGO Existence in Autocratic Regimes. *The Journal of Environment & Development* 23(4): 446-71.
- Lowe, Philip, and Katy Wilkinson. 2009. "How do environmental actors make governance systems more sustainable? The role of politics and ideas in policy change." In *Governing sustainability*, ed. W. N. Adger and A. Jordan. Cambridge, UK; New York: Cambridge University Press. [reserve]
- Kitschelt, Herbert P. 1986. Political Opportunity Structures and Political Protest: Anti-Nuclear Movements in Four Democracies. *British Journal of Political Science* 16(01): 57-85.
- Keck, Margaret E., and Kathryn Sikkink. 1998. *Activists beyond borders: advocacy networks in international politics*. Ithaca: Cornell University Press, chapter 4.
- Giugni, Marco, and Maria T. Grasso. 2015. Environmental Movements in Advanced Industrial Democracies: Heterogeneity, Transformation, and Institutionalization. *Annual Review of Environment and Resources* 40(1): 337-61.

November 17/19 and December 1/3/8 – Student Presentations

November 24 – NO CLASS DUE TO THANKSGIVING PROXIMITY (replaced by session in December)

Thurs, Dec 10 – Additional Governance Institutions and Course Conclusion

Kashwan, Prakash. 2017. *Democracy in the Woods: Environmental Conservation and Social Justice in India, Tanzania, and Mexico*. New York, NY: Oxford University Press, [chapter 8](#). [reserve]

Kramarz, Teresa, David Cosolo, and Alejandro Rossi. 2017. Judicialization of Environmental Policy and the Crisis of Democratic Accountability. *Review of Policy Research* 34(1): 31-49.

MC492 Syllabus (Fall 2020 – Governance, Rights, and Resources)

Cao, Xun, Helen V. Milner, Aseem Prakash, and Hugh Ward. 2014. Research Frontiers in Comparative and International Environmental Politics. *Comparative Political Studies* 47(3): 291-308.

Kate Sheppard, “The heat is on as the New York Times closes its environment desk,” *The Guardian*, January 14, 2013. <http://www.theguardian.com/commentisfree/2013/jan/14/new-york-times-environment-climate-change>

REVISIT [NO NEED TO RE-READ THE FULL THING] Lemos, Maria Carmen, and Arun Agrawal. 2006. Environmental Governance. *Annual Review of Environment and Resources* 31(1): 297-325.

Recommended:

- R. J. Smith, R. D. J. Muir, M. J. Walpole, A. Balmford, and N. Leader-Williams, “Governance and the loss of biodiversity,” *Nature* 426(6962): 67-70 (2003).
- Gill, Gitanjali Nain. 2015. Environmental Justice in India: The National Green Tribunal and Expert Members. *Transnational Environmental Law* 5(1): 175-205.
- The Guardian. 2015. “Episode 2: An Angle” and “Episode 12: Impact,” *The Biggest Story in the World Podcast*. <http://www.theguardian.com/environment/ng-interactive/2015/mar/16/the-biggest-story-in-the-world>

FINAL EXAM PERIOD (Final Paper Due): Friday, December 14, 10:00am