

Spring Semester 2021 – 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.

FW/MC 450: International Environmental Law and Policy

Tuesday/Thursday, 3:00-4:20pm (*though parts of some sessions may be replaced by asynchronous content*), online via [Zoom](#) and optionally in room C213 Wonders Hall

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

Office Hours (via [Zoom](#) and potentially outdoors at some point): Monday 4:30-5:30pm & Wednesday 10:30am-12:30pm. **PLEASE SIGN UP FOR REMOTE OFFICE HOURS SLOTS AT**

<https://jmc.msu.edu/fastpass> and please email if you prefer a mode of communication other than

Zoom. I have 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 do not fit everyone's schedule. If these times do not work for you, please email to arrange a different time.

Introduction

News reports are crowded with predictions of environmental doom, from resource depletion to polluted landscapes. While these concerns were typically addressed by national and local governments, solutions for shared resources (such as oceans) and mobile resources (such as wildlife) require coordination between countries. Contemporary environmental regulation therefore involves both global participants and global impacts. However, this arrangement is challenged by the principle of sovereignty, which allows governments to operate unconstrained within their own borders. This course addresses conditions under which states have and have not constrained their citizens' environmental behavior in order to achieve global environmental goals. We also address how costs and benefits of environmental protection and degradation are distributed among countries and individuals. In addition to discussing the current state of international environmental law, we also focus on how that state of affairs came to be, what stakeholders are involved, and what other policy options exist for handling these concerns.

The semester begins with an introduction to collective action problems and the environmental policy process. We then continue by exploring how international environmental law is formed and implemented. Building on this background, we analyze international laws and policies surrounding various environmental issues. Finally, we conclude the semester by addressing international relations in other fields that impact the environment, as well as new directions for global environmental governance.

Learning Objectives

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

- Locate, read, and analyze legal documents, particularly international treaties
- Understand the process by which international environmental law is negotiated and implemented
- Be aware of relevant stakeholders, their preferences, and the path by which they (or you) can influence international environmental law
- Identify the varied impacts of resource degradation and environmental policies on different individuals, groups, and countries
- Recognize situations in which international law may be useful for resource managers or environmental lawyers

Course Meetings – In-person attendance is strictly optional and never mandatory

We will meet twice every week via zoom (with some optional in-person activities that will be available via zoom as well). Class will focus on discussion of assigned readings, 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 of view. **You are expected to prepare, be “present”, and participate every time we meet. I recognize, however, that our current circumstances may present substantial challenges for attendance (whether remote or in-person). If possible, please contact me in advance if you are unable to join a particular session.**

THE FOLLOWING UNIVERSITY REQUIREMENTS RELATE TO ANY IN-PERSON ACTIVITIES IN WHICH YOU MAY PARTICIPATE IN THIS COURSE

Michigan State University established the Community Compact (<https://msu.edu/together-we-will/msu-community-compact/>) based on health and safety recommendations by campus, local, state, and national public health experts in response to COVID-19.

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To protect the health and safety of the MSU community, the University requires Spartans to follow the Community Compact based upon their status in the community (<https://msu.edu/together-we-will/msu-community-compact/>), which includes but is not limited to—wearing a mask properly (i.e., covering mouth and nose), physically distancing when possible, staying home while ill or after having exposure to COVID-19.

Students living in campus housing and undergraduate students learning and/or working in-person on campus must take additional steps to ensure the health and safety of our community. These measures include:

1. Registering with the Spartan Health Check system and participating in weekly Early Detection (Spartan Spit) testing (<https://earlydetection.msu.edu/>);
2. Completing an online health screening form for each day you are physically on campus; and
3. Downloading and using the MI COVID App on smartphones and participating in the appropriate Spartan Health Check testing protocols, most importantly MSU's COVID-19 Early Detection Program (<https://earlydetection.msu.edu/about>).

To maintain the health and safety of the classroom or other MSU environments, your instructor asks all students to follow these policies, as well as any additional health and safety regulations associated with your physical space and activity. Please monitor your status on the Spartan Health Check system daily.

Students who fail to follow the Community Compact and other guidelines established by the instructor will face the following consequences:

1. If a student arrives to class without a mask, is noncompliant with the Early Detection Program, or fails to follow established health and safety protocols, the instructor will dismiss the student until they comply with all policies.
2. If a student repeatedly disregards the health and safety policies, then the instructor may refer them to the Dean of Students Office for disciplinary measures. These measures can range from a conversation with a campus administrator, probation, or suspension from a class, which can cause a student to lose credit, tuition, and time to degree.

In egregious situations, when the Dean of Students Office receives credible information that a student's continued "presence at the University poses a clear and present danger to the health or safety of persons or property, [they] may temporarily suspend a student from the University."

All students must comply with the spit testing. If you are unable to comply with these guidelines, please contact your academic advisor or Dean's office to identify curricular options that will forward your degree progression without meeting in person. **[PLEASE NOTE THAT EVERY ASPECT OF THIS COURSE CAN BE COMPLETED REMOTELY IF YOU DO NOT WISH TO FOLLOW THESE UNIVERSITY REQUIREMENTS.]**

If you have a disability that allows an exception to aspects of the MSU Community Compact directives, then you should contact the Resources Center for Persons with Disabilities (RCPD) by phone at (517) 884-RCPD or by web (<https://www.rcpd.msu.edu/>). Students are responsible for seeking any requested accommodations when they sign-up for the testing system. Please note that RCPD VISAs will **not** exempt students from covering their faces in classroom settings. In these cases, other arrangements may be made to allow a student to participate in educational or work activities.

If you have questions, please use the following resources:

- Questions or help using the Spartan Health Check, please call the IT Help Desk at 517-432-6200
- Questions about the COVID-19 Early Detection Program, please email SpartanSpit@msu.edu

If you are feeling ill, have been exposed to COVID-19, or have had your health from flagged, please call the COVID-19 Triage Hotline at 855-958-2678.

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Other Details Regarding Class Sessions:

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 of, each other's views and experiences**. Moreover, this course addresses many contentious and difficult topics, and it is essential to recognize that experiences (yours and others') may shape the way in which one confronts these topics. 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 remote class sessions, electronic devices can also provide a major distraction no matter which mode you are using to participate in class. 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 or in-person discussions.

James Madison 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 (further details will be provided in an Assignment Packet):

Assignment	Due Date	% of Overall Semester Grade
Attendance, Preparation, and Quality Participation	Every class period and D2L Forum (will recalculate this portion multiple ways to account for context and technical difficulties)	20%
Treaty Discussion	During class when assigned	3%
Online Treaty Survey and Analysis	1 week before treaty is discussed	7%
Country Paper Hypotheses	February 25	5%
Midterm (Take-Home) Exam	Monday, March 1, 5pm	20%
Country Paper Preliminary Table and Findings	April 1	10%
Country Paper Final Draft	April 15	15%
Final Exam	Thurs, April 29, 5:45 - 7:45pm	20%

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

You will receive a grade for each day of class and each assignment on the 4.0 scale. At the end of the semester, those grades will be weighted and averaged as identified above. Weighted averages of greater than 3.75 will result in a 4.0 reported grade for the semester; 3.25-3.75 = 3.5 reported grade; 2.75-3.25 = 3.0 reported grade; 2.25-2.75=2.5 reported grade; 1.75-2.25=2.0 reported grade; and so forth.

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

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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 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.

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Honors Option: Interested students may participate in an honors option, for which we will read recent scholarship on COVID-19 and international relations. To receive H-credit, you will participate in all group meetings and prepare a short written exercise. As per Madison College and MSU rules, you must maintain at least a 3.5 grade in the course to be eligible for honors credit. The Honors option will begin during the week of February 1. Please contact Professor Axelrod as soon as possible if you would like to participate.

Course Readings

Please note 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 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 interesting issues related to those topics. However, **you should approach readings (and statements in class) with a healthy degree of skepticism.** Such analytical thinking – particularly your assessment of whether authors and colleagues provide sufficient evidence to support their arguments – will help you gain a better understanding of the subject and will make you a better scholar as well.

In addition, please make sure evidence is drawn from reputable sources that have an incentive to provide factual information. For suggestions on identifying the validity of news sources, in particular, see [Prof. Melissa Zimdars' guidelines](https://docs.google.com/document/d/10eA5-mCZLSS4MOY5OGb5ewC3VAL6pLkT53V_81ZyitM/edit) (https://docs.google.com/document/d/10eA5-mCZLSS4MOY5OGb5ewC3VAL6pLkT53V_81ZyitM/edit).

You will be best served by reading all assigned materials before the session noted in this syllabus. As with all Madison College courses, I realize that there is a significant amount of reading assigned. This load is necessary to grasp broad theories of international environmental policy, while also applying them to real life situations. Reading questions are provided throughout this syllabus and additional questions will arrive via email. These questions will help you identify key points to consider while reading and preparing for class. Class discussion will center around the assigned reading materials. As a result, you will need to be familiar with these events and ideas before coming to class, and you are also strongly encouraged to bring all materials with you for reference. If you are ever unable to find an assigned reading, please email me as soon as possible so that I can resolve the issue and share appropriate directions with the whole class.

- 1) The following textbook has been ordered by local student bookstores, though it may be available at a discount online. Most of the material in this book is required reading. Due to the many recent events included, please make sure to get this new version of the book:
Chasek, Pamela S. and David L. Downie. 2020. *Global environmental politics*, **8th edition**. Routledge Press. (subsequently “Chasek and Downie”) [Throughout the syllabus I have tried to include both page numbers and section titles so that both electronic and physical versions can be used easily.]
- 2) Many assigned readings are drawn from other books, journals, magazines, or newspapers. These readings are equally, if not more, important for our class discussions. The D2L version of this syllabus contains hyperlinks to all available *news* articles [*NY Times* articles, beyond the monthly allotment, are also available free online through the MSU Library. 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/>)] and other sources. Unless otherwise noted, *all journal articles* are available online through the MSU library home page (<http://www.lib.msu.edu/>). At the top of that page, you can search by entering the article title. Other *book chapters and readings* will be available on reserve, unless they are also available online or as e-books through the MSU library website (as noted throughout the syllabus). In addition to assigned texts, we will frequently use *maps* to learn more about global distribution of resources and environmental degradation. You should make yourself comfortable with the Worldmapper website, available at: <http://www.worldmapper.org/>
- 3) In addition, it is essential to keep track of news/current events. This material will be the empirical basis for classroom discussions and may appear in exam questions as well. To follow ongoing negotiations, you should consult the *Earth Negotiations Bulletin (ENB)* (<http://www.iisd.ca/voltoc.html>), which produces and archives daily reports from all major multilateral environmental negotiations. You can also [subscribe](#) to receive new ENB reports via email.
For international environmental issues more generally, the *New York Times* (see above regarding access via ASMSU) provides comprehensive coverage, particularly related to US negotiating activities. *The Guardian* (UK) also provides comprehensive coverage, particularly for UK and Australian action, and

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The Hindu covers events from an Indian perspective. Feel free to get your information from other reputable news sources as well. You should regularly consult at least one local news source from the country about which you are writing your final paper.

- 4) Finally, I will of course also be happy to recommend supplementary readings on topics that interest you, or on which you are writing the course paper. In particular, for a different perspective from a developing country point of view, you may want to consult chapters on some of the class topics in the following books. The library copies will be on reserve:

Agarwal, Anil, Sunita Narain, and Anju Sharma. 1999. *Global Environmental Negotiations 1: Green Politics*, Centre for Science and Environment, New Delhi.

Agarwal, Anil, Sunita Narain, Anju Sharma, and Achila Imchen. 2003. *Global Environmental Negotiations 2: Poles Apart*, Centre for Science and Environment, New Delhi.

Schedule and Readings [subject to change with reasonable notice]

Week of January 11: “reading, reviewing, and reflection” week (no class meetings)

- Particularly if you are headed back to the East Lansing area, please make sure you are familiar with the [MSU Community Compact](#), which explains everyone’s responsibilities for helping keep the MSU community safe and asks students to quarantine for ten days upon arrival back in the East Lansing area.
- Please note [workshops, seminars, and training activities](#) offered for students this week;
- January 18 is Dr. Martin Luther King, Jr. Day. Please see the [MSU Commemorative Celebration schedule](#), and consider participating in one of these events or other related activities in the community or on your own.
- Please consider completing the MSU [Student Experience Survey](#) if you have not done so already. Students who respond before January 25 will be entered in a drawing to win one of 25 Amazon gift cards for \$100.
- Additional recommended readings:
 - Morin, Jean-Frédéric, Sikina Jinnah, and Amandine Orsini. 2021. "Pandemics and Environmental Crises: Similar Problems; Different Governance Systems." In *Pandemics: A Multidisciplinary Approach*, ed. P. Bourbeau and J.-M. Marcoux. Oxford: Oxford University Press. [on D2L and sent via email]
 - Prakash Kashwan, “American environmentalism’s racist roots have shaped global thinking about conservation,” *The Conversation* September 2, 2020 (<https://theconversation.com/american-environmentalisms-racist-roots-have-shaped-global-thinking-about-conservation-143783>)

Monday, January 18 - Dr. Martin Luther King, Jr. Day (Please see MSU activities linked above)

The remaining schedule is subject to change with reasonable advance notice. Changes may result from guest speaker availability and reading suggestions, weather events, or other unforeseen circumstances. Please check the D2L-posted syllabus regularly to stay aware of any changes.

Part 1: Origins and goals of environmental policy

January 19 - Introduction

Chasek and Downie, pages 1-16 and 35-36 (“Global Macrotrends”, “An Introduction in Global Environmental Politics”, “Conclusion” to Chapter 1)

Brad Plumer and Nadja Popovich, “The World Still Isn’t Meeting Its Climate Goals,” Dec. 17, 2018 *New York Times* (<https://www.nytimes.com/interactive/2018/12/07/climate/world-emissions-paris-goals-not-on-track.html>)

Christine Hauser, “Number of Tigers in the Wild Is Rising, Wildlife Groups Say,” April 11, 2016 *New York Times* (<http://www.nytimes.com/2016/04/12/world/asia/wild-tiger-numbers-are-rising-wildlife-groups-say.html>)

Robin McKie, “Earth faces sixth ‘great extinction’ with 41% of amphibians set to go the way of the dodo,” 13 December 2014 *The Guardian* (<https://www.theguardian.com/environment/2014/dec/14/earth-faces-sixth-great-extinction-with-41-of-amphibians-set-to-go-the-way-of-the-dodo>)

United Nations, Office of the High Commissioner for Human Rights, “Flint: ‘Not just about water, but human rights’ – UN experts remind ahead of President Obama’s visit,”

<http://www.ohchr.org/EN/NewsEvents/Pages/DisplayNews.aspx?NewsID=19917&LangID=E>

Recommended: Young, Oran R. 2016. The Paris Agreement: Destined to Succeed or Doomed to Fail? *Politics and Governance*, 4 (3): 124-132 (<http://www.earthssystemgovernance.org/publication/the-paris-agreement-destined-to-succeed-or-doomed-to-fail/>)

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January 21 – Goals of Environmental Policy 1: Resource Conservation and Economic Development

- How can we measure the effectiveness of international environmental law and policy?
- How do economic development goals align or conflict with environmental policy goals?
- How do stakeholders balance environmental policy and economic development goals?

Chasek and Downie, pages [20-32](#) (“Theoretical Approaches to International Regimes” and “Paradigms in Global Environmental Politics, but not the “Precautionary Principle” subsection) and [257-265](#) (“North-South Relations, the Environment, and Sustainable Development”, and start of “Changing Economic Realities” through pie charts)

Young, Oran R. 2011. Effectiveness of International Environmental Regimes: Existing Knowledge, Cutting-Edge Themes, and Research Strategies. *Proceedings of the National Academy of Sciences* 108(50): 19853-60. **[READ ONLY “What Do We Mean by Effectiveness?” on page 19854]** (lib.msu.edu)

Ari Shapiro, “India’s Big Battle: Development Vs. Pollution,” May 13, 2016. *NPR’s All Things Considered* (<http://www.npr.org/2016/05/13/477930821/indias-big-battle-development-vs-pollution>)

Recommended:

Mitchell, Ronald B. 2002. A quantitative approach to evaluating international environmental regimes. *Global Environmental Politics* 2 (4):58-83.

Mitchell, Ronald B., and Thomas Bernauer. 1998. Empirical research on international environmental policy: designing qualitative case studies. *Journal of Environment and Development* 7 (1):4-31.

Mitchell, Ronald B. 2008. "Evaluating the performance of environmental institutions: what to evaluate and how to evaluate it?" In *Institutions and Environmental Change: Principal Findings, Applications, and Research Frontiers*. Editors: Oran R. Young, Leslie A. King, and Heike Schroeder. Cambridge: MIT Press, 79-114. (<https://rmitchel.uoregon.edu/sites/rmitchel1.uoregon.edu/files/resume/chapters/2008-IDGEC-Volume.pdf>)

O'Neill, Kate. 2009. *The Environment and International Relations, Themes in International Relations*. Cambridge, UK ; New York: Cambridge University Press. “Chapter 2: International Environmental Problems”

Mitchell, Ronald B. 2010. *International Politics and the Environment*. London; Thousand Oaks, CA: SAGE. “Chapter 2: Defining and Distinguishing International Environmental Problems” (https://us.sagepub.com/sites/default/files/upm-binaries/29032_Mitchell_Chapter_Two.pdf)

Dasgupta, Susmita, Benoit Laplante, Hua Wang, and David Wheeler. 2002. Confronting the Environmental Kuznets Curve. *The Journal of Economic Perspectives* 16(1): 147-68.

January 26 – Goals 2: Distributional Aims – Environmental Justice and Security

[In-person activities start no earlier than this session]

- How can we measure the distribution of costs and benefits from international environmental law?

Lau, Jacqueline D., Georgina G. Gurney, and Joshua Cinner. 2021. "Environmental justice in coastal systems: Perspectives from communities confronting change." *Global Environmental Change* 66:102208. [also a video presentation available via youtube]

Michael Greenstone, “India’s Air-Conditioning and Climate Change Quandary,” October 26, 2016 *New York Times Upshot Blog* (<http://www.nytimes.com/2016/10/27/upshot/indias-air-conditioning-and-climate-change-quandary.html>)

Hiroko Tabuchi, “U.N. Climate Projects, Aimed at the Poorest, Raise Red Flags,” Nov. 16, 2017 *New York Times* (<https://www.nytimes.com/2017/11/16/climate/green-climate-fund.html>)

Tim McDonnell, “The Refugees The World Barely Pays Attention To,” June 20, 2018 *National Public Radio* (<https://www.npr.org/sections/goatsandsoda/2018/06/20/621782275/the-refugees-that-the-world-barely-pays-attention-to>)

Recommended:

Adger, W.N., et al. 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, et al., Cambridge, UK and New York, NY: Cambridge University Press. https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap12_FINAL.pdf

Newell, Peter. 2005. Race, Class and the Global Politics of Environmental Inequality. *Global Environmental Politics* 5 (3): 70-94.

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.

Klein, Carissa, et al. 2015. Social Equity and the Probability of Success of Biodiversity Conservation. *Global Environmental Change* 35: 299-306.

Adil Najam, “The View from the South: Developing Countries in Global Environmental Politics.” In Axelrod, Regina S., David L. Downie, and Norman J. Vig, eds. 2011. *The global environment: institutions, law, and policy, 3rd edition*. Washington: CQ Press [available as an E-book through MSU Library website]

Dwivedi, O. P., and Jordi Díez. 2008. *Global environmental challenges: perspectives from the South*. Peterborough, Ont.: Broadview Press.

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- Okereke, Chukwumerije. 2008. "Equity Norms in Global Environmental Governance." *Global Environmental Politics* 8 (3):25-50
- Davidson, Marc D. 2012. "Distributive justice in the international regulation of global ecosystem services." *Global Environmental Change* 22 (4):852-61.
- Steven Lee Myers and Nicholas Kulish, "Growing Clamor About Inequities of Climate Crisis," November 16, 2013 *New York Times* (<http://www.nytimes.com/2013/11/17/world/growing-clamor-about-inequities-of-climate-crisis.html>)
- Rao, Narasimha D. 2014. "International and intranational equity in sharing climate change mitigation burdens." *International Environmental Agreements: Politics, Law and Economics* 14 (2): 129-146.

January 28 – Stakeholders and What’s at Stake

- Who is interested in influencing global environmental politics?
- Who has the ability to influence negotiations?

Chasek and Downie, chapter 2, pages 44-81 ("Actors in the Environmental Arena")

[note importance of the first section for your country research paper later in the semester]

Shankar Vedantam, "The Psychological Dimension Behind Climate Negotiations," November 24, 2015 *NPR Morning Edition* (<http://www.npr.org/2015/11/24/457203835/the-psychological-dimension-behind-climate-negotiations>)

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>

Recommended:

The Guardian. 2015. "Episode 3: The Targets", "Episode 4: Risks", "Episode 10: Shell," *The Biggest Story in the World Podcast*. <http://www.theguardian.com/environment/ng-interactive/2015/mar/16/the-biggest-story-in-the-world>

Bernhagen, Patrick. 2008. "Business and International Environmental Agreements: Domestic Sources of Participation and Compliance by Advanced Industrialized Democracies." *Global Environmental Politics* 8 (1):78-110.

Papa, Mihaela, and Nancy W. Gleason. 2012. "Major emerging powers in sustainable development diplomacy: Assessing their leadership potential." *Global Environmental Change* 22 (4):915-24.

Eilstrup-Sangiovanni, Mette and Teale Phelps Bondaroff. 2014. From Advocacy to Confrontation: Direct Enforcement by Environmental NGOs. *International Studies Quarterly* 58(2): 348-361.

Keck, Margaret E., and Kathryn Sikkink. 1998. *Activists beyond borders: advocacy networks in international politics*. Ithaca: Cornell University Press.

February 2 – Colonial/Neocolonial Powers and Governing Influence

Whyte, Kyle. 2018. "Settler Colonialism, Ecology, and Environmental Injustice." *Environment and Society* 9 (1):125.

Marc Silver, "Memo To People Of Earth: 'Third World' Is An Offensive Term!" January 8, 2021 *NPR Goats & Soda* (<https://www.npr.org/sections/goatsandsoda/2021/01/08/954820328/memo-to-people-of-earth-third-world-is-an-offensive-term>)

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>

Recommended:

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

King, Hayden. 2018. "Discourses of conquest and resistance: International Relations and Anishinaabe diplomacy." In *Race, Gender, and Culture in International Relations: Postcolonial Perspectives*, ed. R. B. Persaud and A. Sajed. London: Routledge.

Kaczynski, Vlad M., and David L. Fluharty. 2002. "European policies in West Africa: who benefits from fisheries agreements?" *Marine Policy* 26 (2):75-93.

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.

Krasner, Stephen D. 1999. *Sovereignty: Organized Hypocrisy*. Princeton, NJ: Princeton University Press

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

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February 4 - Environmental Policy Inputs 1: Material and Economic Interests

- How do stakeholders consider material/economic interests?

- Lemos, Maria Carmen, and Arun Agrawal. 2006. Environmental Governance. *Annual Review of Environment & Resources* 31(1): 297-325. **[READ ONLY “Market- and Agent-Focused Instruments” (305-08)]** (lib.msu.edu)
- Brown, Katrina, W. Neil Adger, Joshua E. Cinner. 2019. Moving climate change beyond the tragedy of the commons. *Global Environmental Change* 54: 61-63.
- Clifford Krauss and Diane Cardwell, “Climate Deal’s First Big Hurdle: The Draw of Cheap Oil,” January 25, 2016 *New York Times* (<http://www.nytimes.com/2016/01/26/business/energy-environment/climate-deals-first-big-hurdle-the-draw-of-cheap-oil.html>)
- Betwa Sharma, “Prakash Javadekar Interview: Developed World Should Vacate The Carbon Space,” 22 Nov 2015 *Huffington Post* (http://www.huffingtonpost.in/2015/11/21/prakash-javadekar-interview_n_8617864.html)
- Edward Wong and Mia Li, “Rapid Economic Growth in China Is Chipping Away at Coastal Wetlands,” October 19, 2015 *New York Times* (<http://www.nytimes.com/2015/10/20/world/asia/china-economic-growth-is-reducing-coastal-wetlands-report-finds.html>)
- Serena Solomon, “On a Fijian Island, Hunters Become Conservators of Endangered Turtles,” January 2, 2017 *New York Times* (<https://www.nytimes.com/2017/01/02/world/asia/on-a-fijian-island-hunters-become-conservators-of-endangered-turtles.html>)

Highly Recommended:

- 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>
- Soroos, Marvin S. 1994. “Global change, environmental security, and the prisoners' dilemma.” *Journal of Peace Research* 31 (3):317-32
- Ostrom, Elinor. 1990. *Governing the commons: the evolution of institutions for collective action*. Cambridge, England: Cambridge University Press, especially chapters 1 and 2.
- 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

February 9 - Environmental Policy Inputs 2: Culture

- How does culture affect stakeholders’ perspectives about ideal environmental policies?

- Lynn White, Jr. 1967. “Historical Roots of Our Ecological Crisis,” *Science* 155(3767):1203-1207. (lib.msu.edu)
- 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]
- “Indonesian clerics issue fatwa to protect wildlife,” 5 March 2014 *Agence France-Presse* (<http://www.theguardian.com/environment/2014/mar/05/indonesia-clerics-fatwa-illegal-wildlife-trade>)
- George Monbiot, “Norway's plan to kill wolves explodes myth of environmental virtue,” 20 November 2012 *The Guardian* (<http://www.guardian.co.uk/environment/georgemonbiot/2012/nov/20/norway-predators-wolves>)

Recommended:

- The Guardian. 2015. “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>
- 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).
- Konisky, David M. “The Greening of Christianity? A Study of Environmental Attitudes over Time.” *Environmental Politics* 27, no. 2 (2018): 267-91.
- Coulthard, Sarah. 2008. Adapting to Environmental Change in Artisanal Fisheries—Insights from a South Indian Lagoon. *Global Environmental Change* 18(3): 479-89.
- Ian Johnson, “On the Role of Chinese Religion in Environmental Protection,” *New York Times*, October 17, 2016. <https://www.nytimes.com/2016/10/18/world/asia/china-religion-prasenjit-duara.html>
- 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>
- Cox, Michael, Sergio Villamayor-Tomas, and Yasha Hartberg. 2014. “The Role of Religion in Community-based Natural Resource Management,” *World Development* 54: 46-55.

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February 11 - Environmental Policy Inputs 3: Science/Knowledge

- How does science affect international environmental policy?
- Who decides what science, or which ethical perspective, is relevant?
- Which of the three inputs is most dominant?

Haas, Peter M. 1989. "Do regimes matter? epistemic communities and Mediterranean pollution control." *International Organization* 43 (3):377-403 (lib.msu.edu)

Hill, Rosemary, Fiona J. Walsh, Jocelyn Davies, Ashley Sparrow, Meg Mooney, Russell M. Wise, and Maria Tengö. 2020. "Knowledge co-production for Indigenous adaptation pathways: Transform post-colonial articulation complexes to empower local decision-making." *Global Environmental Change* 65:102161.

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>

Neil MacFarquhar, "Review Finds Flaws in U.N. Climate Panel Structure," August 30, 2010 *New York Times* (<http://www.nytimes.com/2010/08/31/world/31nations.html>)

David Roberts, "3 questions for Neil deGrasse Tyson," June 30, 2016 *Vox* (<http://www.vox.com/2016/6/30/12064540/3-questions-for-neil-degrasse-tyson>)

Recommended:

Jon Butterworth, "Science is not political, except when it is," December 26, 2012 *Life and Physics blog at the Guardian*, <http://www.guardian.co.uk/science/life-and-physics/2012/dec/26/science-politics>

Michelle Innis, "Scientists Protest Cuts and Commercialization at Australian Climate Center," February 27, 2016 *New York Times* (<http://www.nytimes.com/2016/02/28/world/australia/cape-grim-climate-change-research.html>)

Milman, Anita, Andrea K. Gerlak, Tamee Albrecht, Mark Colosimo, Ken Conca, Anoulak Kittikhoun, Péter Kovács, Richard Moy, Susanne Schmeier, Kelsey Wentling, William Werick, Ivan Zavadsky, and Jim Ziegler. 2020. "Addressing knowledge gaps for transboundary environmental governance." *Global Environmental Change* 64:102162.

Jacques, Peter J., and Claire Connolly Knox. 2016. Hurricanes and Hegemony: A Qualitative Analysis of Micro-Level Climate Change Denial Discourses. *Environmental Politics* 25(5): 831-52.

Lidskog, Rolf, and Göran Sundqvist. 2014. When Does Science Matter? International Relations Meets Science and Technology Studies. *Global Environmental Politics* 15(1): 1-20.

Daw, Tim, and Tim Gray. 2005. "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

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.

Part 2: International Law and the Environment

February 16 – Global Common Pool Resources and Environmental Negotiations

- Why must some issues be handled at the international level rather than within sovereign states?
- What are the barriers to international cooperation, and how are they overcome?
- What is the process for establishing a new treaty?
- How does the process affect treaty components?

Chasek and Downie, pages 217-231 ("Obstacles to Creating Effective Environmental Regimes")

Suzanne Goldenberg, "Secret talks and a personal letter: how the US-China climate deal was done," 12 November 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/nov/12/how-us-china-climate-deal-was-done-secret-talks-personal-letter>)

Suzanne Goldenberg, "Lima climate talks agree on just one paragraph of deal with 24 hours left," 11 December 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/dec/11/lima-climate-talks-fail-agreement-single-paragraph-deal>)

SKIM THROUGH "Katowice Highlights: Monday, 3 December 2018," *Earth Negotiations Bulletin* for Katowice Climate Conference (<http://enb.iisd.org/download/pdf/enb12737e.pdf>)

Recommended:

- Mitchell, Ronald B. 1999. "International Environmental Common Pool Resources: More Common than Domestic but More Difficult to Manage," in *Anarchy and the Environment: The International Relations of Common Pool Resources*, ed. J. S. Barkin and G. Shambaugh. Albany, NY: SUNY Press. [E-book lib.msu.edu]
- Young, Oran R. 2011. Effectiveness of International Environmental Regimes: Existing Knowledge, Cutting-Edge Themes, and Research Strategies. *Proceedings of the National Academy of Sciences* 108(50): 19853-60.
- Dimitrov, Radoslav S. 2016. The Paris Agreement on Climate Change: Behind Closed Doors. *Global Environmental Politics* 16(3): 1-11.

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- Davenport, Deborah, Lynn M. Wagner, and Chris Spence. 2012. "Earth Negotiations on a Comfy Couch: Building Negotiator Trust through Innovative Processes." In *The roads from Rio: lessons learned from twenty years/ of multilateral environmental negotiations*, ed. P. S. Chasek and L. M. Wagner. New York: Routledge.
- Coral Davenport and Ellen Barry, "Narendra Modi Could Make or Break Obama's Climate Legacy," November 30, 2015 *New York Times* (<http://www.nytimes.com/2015/12/01/world/asia/narendra-modi-could-make-or-break-obamas-climate-legacy.html>)

February 18 - International Cooperation and the sources of International Law

- What makes international law different from domestic law?
- What is "international law", and how can it affect environmental behavior?
- How are treaties and customary international law different? Why is the distinction important?

Chasek and Downie, pages 18-19 ("Global Environmental Regimes") 32-34 ("The Precautionary Principle") and 87-90 (Introduction to Chapter 3)

Divan, Shyam, and Armin Rosencranz. 2001. *Environmental law and policy in India: cases, materials, and statutes*. 2nd ed. New Delhi ; New York: Oxford University Press, excerpts from *Vellore Citizens Welfare Forum v. Union of India* (pp. 587-89) [D2L]

Also, look over Professor Ron Mitchell's database of International Environmental Agreements:

(<http://iea.uoregon.edu/>)

Recommended:

Jacqueline Peel, "Environmental Protection in the Twenty-first Century: The Role of International Law." In Axelrod, Regina S., David L. Downie, and Norman J. Vig, eds. 2011. *The global environment: institutions, law, and policy, 3rd edition*. Washington: CQ Press [available as an E-book through MSU Library website]

Litfin, Karen T. 1997. Sovereignty in world ecopolitics. *Mershon International Studies Review* 41 (4):167-204.

February 23 - Compliance with International Environmental Law

- How is international law implemented?
- Which parties comply, and under what conditions?

Chasek and Downie, pages 231-250 (remainder of chapter 5)

Oliver Milman, "Japan cuts Antarctic whale quota after UN court ruling," 18 November 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/nov/18/japan-cuts-antarctic-whale-quota-after-un-court-ruling>)

Daniel Victor, "Japan to Resume Commercial Whaling, Defying International Ban," Dec. 26, 2018 *New York Times* (<https://www.nytimes.com/2018/12/26/world/asia/japan-whaling-withdrawal.html>)

"South Korea plans to resume whaling for research," July 6, 2012 *Associated Press* (<http://www.guardian.co.uk/environment/2012/jul/06/south-korea-whaling-research>)

Justin McCurry, "South Korea drops plans to resume whaling," December 6, 2012 *The Guardian* (<http://www.guardian.co.uk/world/2012/dec/06/south-korea-drops-plan-whaling>)

Edward Wong, "Statistics From China Say Coal Consumption Continues to Drop," March 2, 2016 *New York Times* (<http://www.nytimes.com/2016/03/03/world/asia/china-coal-consumption-down.html>)

Recommended:

Mitchell, Ronald B. 1994. Regime design matters: intentional oil pollution and treaty compliance. *International Organization* 48 (3):425-458. (lib.msu.edu)

Chayes, Abram, Antonia Handler Chayes, and Ronald B. Mitchell. 1998. "Managing compliance: a comparative perspective." In *Engaging Countries: Strengthening Compliance with International Environmental Accords*, ed. E. Brown Weiss and H. K. Jacobson. Cambridge, MA: MIT Press. [available as E-book from lib.msu.edu]

DeSombre, Elizabeth R. 2018. "Individual Behavior and Global Environmental Problems." *Global Environmental Politics* 18 (1):5-12.

Ian Urbina, "Palau vs. the Poachers," February 17, 2016 *New York Times* (<http://www.nytimes.com/2016/02/21/magazine/palau-vs-the-poachers.html>)

Eilstrup-Sangiovanni, Mette and Teale Phelps Bondaroff. 2014. From Advocacy to Confrontation: Direct Enforcement by Environmental NGOs. *International Studies Quarterly* 58(2): 348-361.

James Gorman, "African Conservation Group with Unusual Mission: Enforcement," October 12, 2015 *New York Times* (<http://www.nytimes.com/2015/10/13/science/african-conservation-group-with-unusual-mission-enforcement.html>)

Tallberg, Jonas. 2002. "Paths to compliance: enforcement, management, and the European Union." *International Organization* 56 (3):609-43.

Downs, George W., David M. Rocke, and Peter N. Barsoom. 1996. Is the good news about compliance good news about cooperation? *International Organization* 50 (3):379-406.

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February 25 - Domestic Politics and International Environmental Law

[COUNTRY HYPOTHESES DUE AT THE BEGINNING OF CLASS]

Please come prepared to discuss ratification and implementation processes, as well as your hypotheses, for the country about which you will write the research paper.

- What is the process for ratifying and implementing international law in different countries?
- How does that process affect negotiation and implementation of international law?
- Who is involved at the negotiation and implementation phases?

Dai, Xinyuan. 2005. Why Comply? The Domestic Constituency Mechanism. *International Organization* 59(2): 363-98. [READ ONLY 363-366 and 374-384]

Adam Liptak and Coral Davenport, "Supreme Court Deals Blow to Obama's Efforts to Regulate Coal Emissions," February 9, 2016 *New York Times* (<http://www.nytimes.com/2016/02/10/us/politics/supreme-court-blocks-obama-epa-coal-emissions-regulations.html>)

Ahmad Rafay Alam, "Pakistan court orders government to enforce climate law," September 25, 2015 *Dawn* (<http://www.dawn.com/news/1209256/pakistan-court-orders-government-to-enforce-climate-law>)

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>

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

SKIM Dalton, Robert E. 1999. National Treaty Law and Practice: United States. In *National treaty law and practice: Austria, Chile, Colombia, Japan, The Netherlands, United States*, edited by M. Leigh, M. R. Blakeslee, L. B. Ederington and American Society of International Law. Washington, D.C.: American Society of International Law (SKIM ONLY PAGES 1-10) [on reserve]

SKIM Thakore, Dr. K. 1995. "National Treaty Law and Practice: India." In *National Treaty Law and Practice: France, Germany, India, Switzerland, Thailand, United Kingdom*, ed. M. Leigh and M. R. Blakeslee. Washington, D.C.: American Society of International Law. (SKIM 79-91, 96-98) [D2L]

Recommended:

The Guardian. 2015. "Episode 8: The US," *The Biggest Story in the World Podcast*.

<http://www.theguardian.com/environment/ng-interactive/2015/mar/16/the-biggest-story-in-the-world>

Elizabeth R. DeSombre, "Understanding Sources of U.S. International Environmental Policy" in Axelrod, Regina S., David L. Downie, and Norman J. Vig, eds. 2011. *The global environment: institutions, law, and policy, 3rd edition*. Washington: CQ Press [available as an E-book through MSU Library website]

Kelemen, R. Daniel, and David Vogel. 2010. "Trading Places: The Role of the United States and the European Union in International Environmental Politics." *Comparative Political Studies* 43 (4):427-56. (lib.msu.edu)

Heazle, Michael. 2013. "'See you in court!': Whaling as a two level game in Australian politics and foreign policy." *Marine Policy* 38:330-6. (lib.msu.edu)

Spilker, Gabriele, and Vally Koubi. 2016. The Effects of Treaty Legality and Domestic Institutional Hurdles on Environmental Treaty Ratification. *International Environmental Agreements: Politics, Law and Economics* 16(2): 223-38.

Axelrod, Mark. "Importing International Norms through Domestic Institutions: the Precautionary Principle in India," *Working Paper*, Michigan State University.

Brown Weiss, Edith, and Harold K. Jacobson, eds. 1998. *Engaging countries: strengthening compliance with international environmental accords*. Cambridge, MA: MIT Press.

[Take-home Midterm Exam distributed at the end of class February 25]

Monday, March 1 – Midterm due, via D2L dropbox, by 5pm

March 2 – Wellness Day (no scheduled class session)

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Part 3: Exploring Regimes across Issue Areas

For the next 5 weeks, we will focus on a different substantive issue every session. For each day, you should keep in mind the following questions while reading. Not all subject areas will fit precisely into this framework, but you can use these questions as a general guideline for readings.

- What is the nature of the environmental problem? What type of resource is involved (common pool resource, transboundary resource flow, resource located entirely within countries)?
- What stakeholders are involved? What are their preferences? And what are their capabilities for achieving those preferences? In particular, how is this issue addressed by the country you are tracking for the country assignment?
- What international law exists in this issue area? Why is it configured as it is?
- Which countries or other actors benefit (or suffer) from the rules in place?
- Do countries comply with the law? Has it been effective at all three levels we discussed (institutional design, behavior change, and enhanced environmental quality)?
- In what situation(s) could these provisions be useful to you as a resource manager, policy maker, or activist?
- From a science/policy viewpoint, how would you change the current regulations? Is that politically feasible? Why or why not?

Part 3a: Water

March 4 – Rivers and Transboundary Externality Problems

Briscoe, John, “Troubled Waters: Can a Bridge Be Built over the Indus?” December 11, 2010 *Economic and Political Weekly*

Desai, Bharat H. and Balraj K. Sidhu, “The Kishenganga Final Award: Is the Indus Waters Treaty at the Crossroads?” February 15, 2014 *Economic and Political Weekly*

[full decision (NOT REQUIRED READING): http://www.pca-cpa.org/showfile.asp?fil_id=2471]

Suhasini Haidar, “India to attend Lahore meet on Indus Waters Treaty,” March 03, 2017 *The Hindu* (<https://www.thehindu.com/news/national/india-to-attend-lahore-meet-on-indus-waters-treaty/article17396619.ece>)

Declan Walsh and Somini Sengupta, “For Thousands of Years, Egypt Controlled the Nile. A New Dam Threatens That.” Feb. 9, 2020 *New York Times* (<https://www.nytimes.com/interactive/2020/02/09/world/africa/nile-river-dam.html>)

Bernauer, Thomas and Peter Moser. 1996. “Reducing pollution of the Rhine River: the influence of international cooperation.” *Journal of Environment and Development* 5 (4):391-417 (lib.msu.edu)

Recommended:

Tir, Jaroslav, and Douglas M. Stinnett. 2011. “The Institutional Design of Riparian Treaties.” *Journal of Conflict Resolution* 55 (4):606-31.

Conca, Ken. 2006. “Swimming Upstream: In Search of a Global Regime for International Rivers (with Fengshi Wu and Joanne Neukirchen).” Chapter 4 in *Governing water: contentious transnational politics and global institution building, Global environmental accords*. Cambridge, Mass.: MIT Press.

March 9 - Oceans & Lakes: Comparing Common Pool Resources to Externality Problems

UN Convention on the Law of the Sea (UNCLOS), **READ ONLY: Part II, articles 2-11 and 17-19; Part V, Articles 55-75; Part VII, Articles 116-120; Part XI, Articles 186-191; Part XII, Articles 192-197 and 207-213; and Part XV, Article 287; SKIM Annex VI on the tribunal**

(http://www.un.org/depts/los/convention_agreements/texts/unclos/unclos_e.pdf or separated by parts: http://www.un.org/depts/los/convention_agreements/texts/unclos/UNCLOS-TOC.htm)

Prepare for detailed discussion of: THE MOX PLANT CASE (IRELAND v. UNITED KINGDOM):

INTERNATIONAL TRIBUNAL FOR THE LAW OF THE SEA (2001), Judgment available at: http://www.itlos.org/fileadmin/itlos/documents/cases/case_no_10/Order.03.12.01.E.pdf

[ITLOS Press Release (not required reading): http://www.itlos.org/fileadmin/itlos/documents/press_releases_english/PR_No.62.pdf]

Update: Fiona Harvey, “Sellafeld Mox nuclear fuel plant to close,” August 4, 2011 *The Guardian* (<http://www.guardian.co.uk/environment/2011/aug/03/sellafeld-mox-plant-close>)

Ron Seely, “How will the Great Lakes Compact hold up in a thirsty world?” August 22, 2018 *Crain’s Chicago Business* (<https://www.chicagobusiness.com/government/how-will-great-lakes-compact-hold-thirsty-world>)

Recommended:

Mitchell, Ronald B., and Patricia Keilbach. 2001. Reciprocity, coercion, or exchange: symmetry, asymmetry and power in institutional design. *International Organization* 55 (4):891-917.

Sebenius, James K. 1983. Negotiation arithmetic: adding and subtracting issues and parties. *International Organization* 37 (2):281-316.

State of Michigan. *Domestic Action Plan for Lake Erie*. February 28, 2018. https://www.michigan.gov/documents/egle/wrd-glc-dap_665997_7.pdf

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Part 3b: Species Conservation and Biodiversity

March 11 - Marine Mammals and Fisheries – individual species approaches [will spill over into next section on Species Conservation]

Chasek and Downie, pages 175-181 (“Marine Biodiversity in Areas Beyond National Jurisdiction”) and 190-197 (“Whaling”)

Justin McCurry, “Japan told to halt Antarctic whaling by international court,” 31 March 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/mar/31/japanese-whaling-halt-antarctic-international-court>) [Full decision available at: <http://www.icj-cij.org/docket/files/148/18136.pdf> (not required reading)]

Kaczynski, Vlad M., and David L. Fluharty. 2002. “European policies in West Africa: who benefits from fisheries agreements?” *Marine Policy* 26 (2):75-93

Berkes, F., T. P. Hughes, R. S. Steneck, J. A. Wilson, D. R. Bellwood, B. Crona, C. Folke, L. H. Gunderson, H. M. Leslie, J. Norberg, M. Nyström, P. Olsson, H. Österblom, M. Scheffer, and B. Worm. 2006. Globalization, Roving Bandits, and Marine Resources. *Science* 311(5767): 1557-58.

Recommended:

Pauly, Daniel, Villy Christensen, Sylvie Guenette, Tony J. Pitcher, U. Rashid Sumaila, Carl J. Walters, R. Watson, and Dirk Zeller. 2002. Towards sustainability in world fisheries. *Nature* 418 (6898):689-695. (<http://www.nature.com/nature/journal/v418/n6898/full/nature01017.html>)

De Santo, E. M., et al. 2019. “Protecting biodiversity in areas beyond national jurisdiction: An earth system governance perspective.” *Earth System Governance* 2:100029.

Havice, Elizabeth, and Liam Campling. 2010. “Shifting Tides in the Western and Central Pacific Ocean Tuna Fishery: The Political Economy of Regulation and Industry Responses.” *Global Environmental Politics* 10 (1):89-114.

Mark Axelrod. 2011. “Climate Change and Global Fisheries Management: Linking Issues to Protect Ecosystems or Save Political Interests?” *Global Environmental Politics* 11(3)

DeSombre, Elizabeth R. 2000. *Domestic sources of international environmental policy: industry, environmentalists, and U.S. power*. Cambridge, MA: MIT Press, ch.5. [available as e-book through MSU library website]

D.G. Webster, Mark Axelrod, Leandra Gonçalves, Kate Miller, and Ron Mitchell. Scientific uncertainty and decision-making in international organizations, unpublished manuscript. Michigan State University

March 16 - Species Conservation – Managing Ecosystems and Human Impacts (bring treaty texts to class)

Convention on Biological Diversity, Global Biodiversity Outlook 3 Video, May 12, 2010 *YouTube* (https://www.youtube.com/watch?v=EGMkW_vo5GU)

Chasek and Downie, pages 182-189 (“International Trade in Endangered Species”)

Prepare to Discuss in detail: CITES. 1973. Convention on International Trade in Endangered Species of Wild Fauna and Flora. (text and appendices) (<http://www.cites.org/sites/default/files/eng/disc/E-Text.pdf>)

REVISIT: Robin McKie, “Earth faces sixth ‘great extinction’ with 41% of amphibians set to go the way of the dodo,” 13 Dec 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/dec/14/earth-faces-sixth-great-extinction-with-41-of-amphibians-set-to-go-the-way-of-the-dodo>)

REVISIT: Christine Hauser, “Number of Tigers in the Wild Is Rising, Wildlife Groups Say,” April 11, 2016 *New York Times* (<http://www.nytimes.com/2016/04/12/world/asia/wild-tiger-numbers-are-rising-wildlife-groups-say.html>)

Steven Lee Myers, “Sea Warming Leads to Ban on Fishing in the Arctic,” July 16, 2015 *New York Times* (<http://www.nytimes.com/2015/07/17/world/europe/sea-warming-leads-to-ban-on-fishing-in-the-arctic.html>)

SKIM Bonn Convention on Migratory Species. 1979. Convention on the Conservation of Migratory Species of Wild Animals (<http://www.cms.int/en/node/3916>)

Recommended:

DeSombre, Elizabeth R. 2000. *Domestic sources of international environmental policy: industry, environmentalists, and U.S. power*. Cambridge, MA: MIT Press, ch.3. [available as e-book through the MSU library website]

Gehring, Thomas, and Eva Ruffing. 2008. “When Arguments Prevail Over Power: The CITES Procedure for the Listing of Endangered Species.” *Global Environmental Politics* 8 (2):123-48.

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Edward Wong and Jeffrey Gettleman, “China Bans Its Ivory Trade, Moving Against Elephant Poaching,” December 30, 2016 *New York Times* (<http://www.nytimes.com/2016/12/30/world/asia/china-ivory-ban-elephants.html>)

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Vanessa Romo, "Sotheby's And Bonhams Bow To Pressure, Ban The Sale Of Rhino Horn Artifacts," November 26, 2018 *National Public Radio* (<https://www.npr.org/2018/11/26/671012239/sothebys-and-bonhams-bow-to-pressure-ban-the-sale-of-rhino-horn-artifacts>)

Robert Benincasa, "The Tree That Rocked The Music Industry," November 30, 2017 *NPR Morning Edition* (<https://www.npr.org/2017/11/30/566927001/the-tree-that-rocked-the-music-industry>)

Thomas L. Friedman, "In the Age of Noah," December 23, 2007 *New York Times* (<http://www.nytimes.com/2007/12/23/opinion/23friedman.html>)

March 18 – Forests, Protected Areas, and other Habitats

Ian James, "Scientists aim to map and save endangered habitats," January 23, 2011 *Washington Post* (<http://www.washingtonpost.com/wp-dyn/content/article/2011/01/21/AR2011012107107.html>)

Jeff McMahon, "How Deforestation Drives The Emergence Of Novel Coronaviruses," Mar. 21, 2020 *Forbes* (<https://www.forbes.com/sites/jeffmcmahon/2020/03/21/how-deforestation-is-driving-the-emergence-of-novel-coronaviruses/>)

Karl Mathiesen, "Russia accused of blocking creation of vast Antarctic marine reserves," 31 October 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/oct/31/russia-accused-of-blocking-creation-of-vast-antarctic-marine-reserves>)

Fiona Harvey, "Commercial fishing banned across much of the Arctic," 3 Oct 2018 *The Guardian* (<https://www.theguardian.com/environment/2018/oct/03/commercial-fishing-banned-across-much-of-the-arctic>)

Hiroko Tabuchi, Claire Rigby and Jeremy White, "Amazon Deforestation, Once Tamed, Comes Roaring Back," Feb. 24, 2017 *New York Times* (<https://www.nytimes.com/2017/02/24/business/energy-environment/deforestation-brazil-bolivia-south-america.html>)

Goncalves, Marilyn Pereira, Melissa Panjer, Theodore S. Greenberg, and William B. Magrath. 2012. *Justice for Forests: Improving Criminal Justice Efforts to Combat Illegal Logging* (Washington, D.C.: World Bank). READ ONLY EXECUTIVE SUMMARY, pp. vii-x (http://siteresources.worldbank.org/EXTFINANCIALSECTOR/Resources/Illegal_Logging.pdf)

SKIM The Ramsar Convention on Wetlands of International Importance especially as Waterfowl Habitat. 1971 (http://www.ramsar.org/sites/default/files/documents/library/current_convention_text_e.pdf)

Recommended:

Edgar, Graham J. et al. 2014. Global conservation outcomes depend on marine protected areas with five key features. *Nature* 506 (7487): 216-220 (<http://www.nature.com/nature/journal/v506/n7487/full/nature13022.html>)

Ross, Michael. 1996. "Conditionality and Logging Reform in the Tropics." In *Institutions for environmental aid: pitfalls and promise*, ed. R. O. Keohane and M. A. Levy. Cambridge, MA: MIT Press.

Agarwal, Anil, Sunita Narain, and Anju Sharma, eds. 1999. *Global Environmental Negotiations: Green Politics*. Vol. 1. New Delhi: Centre for Science and Environment, chapter 5, pp. 221-248

March 23 – Biodiversity – livelihoods approaches to conservation

Chasek and Downie, pages 165-175 ("Biodiversity Loss"), 197-207 ("Desertification and Land Degradation" and "Conclusion" of chapter 4)

Erica Goode, "A Shifting Approach to Saving Endangered Species," October 5, 2015 *New York Times* (<http://www.nytimes.com/2015/10/06/science/a-shifting-approach-to-saving-endangered-species.html>)

SKIM 1992 Convention on Biological Diversity (<http://www.cbd.int/doc/legal/cbd-en.pdf>)

SKIM Secretariat of the Convention on Biological Diversity. 2014. *Global Biodiversity Outlook 4: Summary and Conclusions* (<https://www.cbd.int/gbo/gbo4/gbo4-summary-en.pdf>)

Recommended:

Kanchi Kohli and Shalini Bhutani, "Access to India's Biodiversity and Sharing Its Benefits," August 1, 2015 *Economic & Political Weekly* 50(31): 19-22

Saskia Vermeylen and Gordon Walker, "Environmental Justice, Values, and Biological Diversity: The San and the Hoodia Benefit-Sharing Agreement," in JoAnn Carmin and Julian Agyeman, eds. *Environmental inequalities beyond borders: local perspectives on global injustices* (Cambridge, Mass.: MIT Press).

Buck, Matthias, and Clare Hamilton. 2011. "The Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity." *Review of European Community & International Environmental Law* 20 (1):47-61.

Steinberg, Paul F. 2009. "Institutional Resilience Amid Political Change: The Case of Biodiversity Conservation." *Global Environmental Politics* 9 (3):61-81.

Agarwal, Anil, Sunita Narain, and Anju Sharma, eds. 1999. *Global Environmental Negotiations: Green Politics*. Vol. 1. New Delhi: Centre for Science and Environment, Chapter 2, pp. 123-160.

Agarwal, Anil, Sunita Narain, and Anju Sharma, eds. 1999. *Global Environmental Negotiations: Green Politics*. Vol. 1. New Delhi: Centre for Science and Environment, Chapter 3, pp. 161-186.

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Part 3c: Atmospheric and Chemical Pollution

March 25 - Long Range Transboundary Air Pollution and Ozone (bring treaty texts to class)

Chasek and Downie, pages 90-102 (“Stratospheric Ozone Depletion”)

“Indonesia moves to stop forest fire pollution as haze grips Singapore,” 16 September 2014 *Agence France-Press* (<http://www.theguardian.com/environment/2014/sep/16/indonesia-forest-fire-pollution-haze-singapore-palm-oil>)

Bill Chappell, “Smog In Western U.S. Starts Out As Pollution In Asia, Researchers Say,” March 3, 2017 *National Public Radio* (<https://www.npr.org/sections/thetwo-way/2017/03/03/518323094/rise-in-smog-in-western-u-s-is-blamed-on-asias-air-pollution>)

Convention on Long-Range Transboundary Air Pollution, 1979

(<https://www.unece.org/fileadmin/DAM/env/lrtap/full%20text/1979.CLRTAP.e.pdf>)

UN Economic Commission for Europe, “Non-compliance by Spain with the Protocol on Volatile Organic Compounds or their Transboundary Fluxes to the Convention on Long-range Transboundary Air Pollution,” <http://www.unece.org/fileadmin/DAM/env/lrtap/ExecutiveBody/CLRTAP%20Spain%20Violation%20of%20VOC%20Protocol.edited.ae.pdf>

Fiona Harvey, “Ozone layer finally healing after damage caused by aerosols, UN says,” 5 November 2018 *The Guardian* (<https://www.theguardian.com/environment/2018/nov/05/ozone-layer-healing-after-aerosols-un-northern-hemisphere>)

Damian Carrington, “Mysterious source of illegal ozone-killing emissions revealed, say investigators,” 8 July 2018 *The Guardian* (<https://www.theguardian.com/environment/2018/jul/09/mysterious-source-of-illegal-ozone-killing-emissions-revealed-say-investigators>)

SKIM Montreal Protocol on Substances That Deplete the Ozone Layer, 1987

(<https://unep.ch/ozone/pdf/Montreal-Protocol2000.pdf>)

Secretariat for the Vienna Convention and Its Montreal Protocol – The Ozone Secretariat. 2007.

Implementation Committee under the Non-Compliance Procedure of the Montreal Protocol on Substances That Deplete the Ozone Layer: Primer for Members, available at

https://ozone.unep.org/sites/default/files/ImpCom_Primer_for_parties_english.pdf (**pages 4-6, 11-19, 24-29, 59-60 only**)

Recommended:

Munton, Don, Marvin Soroos, Elena Nikitina, and Marc A. Levy. 1999. Acid rain in Europe and North America. In *The effectiveness of international environmental regimes: causal connections and behavioral mechanisms*, edited by O. R. Young. Cambridge, MA: MIT Press.

Wettestad, Jørgen. 2002. *Clearing the air : European advances in tackling acid rain and atmospheric pollution*. Aldershot, Hampshire, England ; Burlington, VT: Ashgate.

Bull, Keith, Matti Johansson, and Michal Krzyzanowski. 2008. Impacts of the Convention on Long-Range Transboundary Air Pollution on Air Quality in Europe. *Journal of Toxicology and Environmental Health, Part A* 71(1): 51-55.

Mark Leon Goldberg, “Podcast: The Inside Story of How the World Closed the Hole in the Ozone Layer,” July 23, 2018 *UN Dispatch* (<https://www.undispatch.com/podcast-the-inside-story-of-how-the-world-closed-the-hole-in-the-ozone-layer/>)

DeSombre, Elizabeth R. 2000. *Domestic sources of international environmental policy: industry, environmentalists, and U.S. power*. Cambridge, MA: MIT Press, ch.4. [available as an e-book through MSU library website]

Benedick, Richard Elliot. 1998. *Ozone diplomacy: new directions in safeguarding the planet*. Cambridge, MA: Harvard University Press.

March 30 - Climate Change

Chasek and Downie, pages 102-116 (“Climate Change”)

Olsson, Lennart, et al. 2014. Livelihoods and poverty. In: *Climate Change 2014: Impacts, Adaptation, and Vulnerability*. [Field, Christopher, et al. (eds.)]. (Cambridge, UK and New York, NY: Cambridge University Press), ch.13. [**READ ONLY THE EXECUTIVE SUMMARY**, pp. 796-797]

https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap13_FINAL.pdf

John Vidal, “Poor countries walk out of UN climate talks as compensation row rumbles on,” 20 November 2013 *The Guardian* (<http://www.theguardian.com/global-development/2013/nov/20/climate-talks-walk-out-compensation-un-warsaw>)

Michel Martin, “What Recent Destructive Cyclones Tell Us About Climate,” March 23, 2019 *National Public Radio All Things Considered* (<https://www.npr.org/2019/03/23/706239793/what-recent-destructive-cyclones-tell-us-about-climate>)

Agreement texts (**SKIM**):

UNFCCC Secretariat. 1992. [United Nations Framework Convention on Climate Change](#). Bonn: UNFCCC Secretariat

UNFCCC Secretariat. 1997. [Kyoto Protocol to the UN Framework Convention on Climate Change](#)

UNFCCC Secretariat. 2015. [Paris Agreement](#)

FOR REFERENCE (not required reading): IPCC, 2014: Summary for policymakers. 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 [Field, Christopher et al. (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 1-32

(http://www.ipcc.ch/pdf/assessment-report/ar5/wg2/ar5_wgII_spm_en.pdf)

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Recommended:

- David Roberts, "The conceptual breakthrough behind the Paris climate treaty," Dec 15, 2015 *Vox* (<http://www.vox.com/2015/12/15/10172238/paris-climate-treaty-conceptual-breakthrough>)
- Hale, Thomas. 2016. "All Hands on Deck": The Paris Agreement and Nonstate Climate Action. *Global Environmental Politics* 16(3): 12-22.
- Jinnah, Sikina. 2011. "Climate Change Bandwagoning: The Impacts of Strategic Linkages on Regime Design, Maintenance, and Death." *Global Environmental Politics* 11 (3):1-9.
- Symons, Jonathan. 2019. "Realist climate ethics: Promoting climate ambition within the Classical Realist tradition." *Review of International Studies* 45 (1):141-60.

April 1 - Hazardous Waste and Chemicals

[COUNTRY TABLE AND INITIAL FINDINGS SUMMARY DUE AT THE BEGINNING OF CLASS]

- Chasek and Downie, pages 116-152 ("Hazardous Waste", "Toxic Chemicals", "Mercury", and "Conclusion" of Chapter 3)
- Cassandra Profita and Jes Burns, "Recycling Chaos in U.S. As China Bans 'Foreign Waste'," December 9, 2017 *NPR Morning Edition* (<https://www.npr.org/2017/12/09/568797388/recycling-chaos-in-u-s-as-china-bans-foreign-waste>)
- Sanday Chongo Kabange, "African Countries Debate Using DDT in Anti-Malaria Efforts," July 11, 2011 *Voice of America* (<http://www.voanews.com/content/african-countries-debate-using-ddt-in-anti-malaria-efforts--125426193/160321.html>)
- SKIM Basel Convention on Transboundary Movement of Hazardous Waste (<http://www.basel.int/Portals/4/Basel%20Convention/docs/text/BaselConventionText-e.pdf>)
- SKIM Basel Convention Ban Amendment (<http://www.basel.int/Portals/4/Download.aspx?d=UNEP-CHW-COP.3-BC-III-1.English.pdf>)
- SKIM Stockholm Convention on Persistent Organic Pollutants (<http://chm.pops.int/Portals/0/download.aspx?d=UNEP-POPS-COP-CONVTEXT.En.pdf>)

Recommended:

- Selin, Henrik. 2014. Global Environmental Law and Treaty-Making on Hazardous Substances: The Minamata Convention and Mercury Abatement. *Global Environmental Politics* 14(1): 1-19.
- Garcia-Johnson, Ronie. 2000. *Exporting environmentalism: U.S. multinational chemical corporations in Brazil and Mexico*. Cambridge, MA: MIT Press.
- Agarwal, Anil, Sunita Narain, Anju Sharma, and Achila Imchen, eds. 2001. *Global Environmental Negotiations: Poles Apart*. Vol. 2. New Delhi: Centre for Science and Environment, chapter 2, pp. 61-108.
- United Nations Environment Programme, "Framework for the effectiveness evaluation of the Stockholm Convention pursuant to Article 16," UNEP/POPS/COP.6/27/Add.1/Rev.1, 28 May 2013 (<http://chm.pops.int/Portals/0/download.aspx?d=UNEP-POPS-COP.6-27-Add.1-Rev.1.English.pdf>)

Part 4: Connecting Environment with Other Issue Areas

While reading for this Part of the course each day, consider the following regarding cross-issue interactions:

- How do environmental protection/degradation and international environmental policies impact this other issue area?
- How do developments, including international law, in this other issue area affect environmental protection/degradation and environmental policymaking?

April 6 - Environment and International Peace/Conflict

- Chasek and Downie, 31-32 ("Environmental Change as a Security Issue") (revisit from second day of class)
- Adger, W.N., et al. 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, et al., 755-91. Cambridge, UK and New York, NY: Cambridge University Press. (**READ ONLY Executive Summary, p758**) http://www.ipcc.ch/pdf/assessment-report/ar5/wg2/WGIIAR5-Chap12_FINAL.pdf
- Koubi, Vally, Gabriele Spilker, Tobias Böhmelt, and Thomas Bernauer. "Do Natural Resources Matter for Interstate and Intrastate Armed Conflict?" *Journal of Peace Research*. 51, no. 2 (2014): 227-43.
- Zia-U-Rahman Hasrat, "IS Runs Timber Smuggling Business in Afghanistan, Officials Say," February 8, 2016 *VOA News* (<http://www.voanews.com/a/islamic-state-timber-smuggling-afghanistan/3182282.html>)
- Coral Davenport, "Pentagon Signals Security Risks of Climate Change," October 13, 2014 *New York Times* (<http://www.nytimes.com/2014/10/14/us/pentagon-says-global-warming-presents-immediate-security-threat.html>)
- Fiona Harvey, "British fishermen attacked by French boats in the Channel," October 10, 2012 *The Guardian* (<http://www.guardian.co.uk/environment/2012/oct/10/british-fishermen-attacked-french-channel>)
- Sharon LaFraniere, "Europe Takes Africa's Fish, and Boatloads of Migrants Follow," January 14, 2008 *New York Times* (<http://www.nytimes.com/2008/01/14/world/africa/14fishing.html>)

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- William J. Broad, "Inside the C.I.A., She Became a Spy for Planet Earth," Jan. 5, 2021 (updated Jan. 7) *New York Times* (<https://www.nytimes.com/2021/01/05/science/linda-zall-cia.html>)
- John Schwartz, "Study Finds Surprising Byproduct of Middle Eastern Conflicts: Cleaner Air," Aug. 21, 2015 *New York Times* (<http://www.nytimes.com/2015/08/22/science/as-war-sows-chaos-on-ground-it-can-lead-to-cleaner-air-study-savs.html>)
- Convention on the Prohibition of Military or Any Other Hostile Use of Environmental Modification Techniques (<http://www.un-documents.net/enmod.htm>)

Recommended:

- Ide, Tobias. 2018. "Does environmental peacemaking between states work? Insights on cooperative environmental agreements and reconciliation in international rivalries." 55 (3):351-65.
- Karl Mathiesen, "What's the environmental impact of modern war?" 6 November 2014 *The Guardian* (<http://www.theguardian.com/environment/2014/nov/06/whats-the-environmental-impact-of-modern-war>)
- Lehto, Marja. 2020. "Armed conflicts and the environment: The International Law Commission's new draft principles." *Review of European, Comparative & International Environmental Law* 29 (1):67-75.
- Selby, Jan, Omar S. Dahi, Christiane Fröhlich, and Mike Hulme. 2017. "Climate change and the Syrian civil war revisited." *Political Geography* 60:232-44.
- Soroos, Marvin S. 1994. "Global change, environmental security, and the prisoners' dilemma." *Journal of Peace Research* 31 (3):317-32.
- Hsiang, Solomon M., Marshall Burke, and Edward Miguel. 2013. "Quantifying the Influence of Climate on Human Conflict." *Science* 341 (6151).
- Reuveny, Rafael, Andreea S Mihalache-O'Keef, and Quan Li. 2010. "The effect of warfare on the environment." *Journal of Peace Research* 47 (6):749-61.
- Hendrix, Cullen S, and Sarah M Glaser. 2011. "Civil conflict and world fisheries, 1952–2004." *Journal of Peace Research* 48 (4):481-95.

April 8 – Development Aid and Its Discontents

- Review Chasek and Downie, 63-68 for background on International Financial Institutions
- Roy, Arundhati. 1999. *The greater common good* (<http://www.narmada.org/gcg/gcg.html>) – MAY NEED NEW LINK
- Ron Nixon, "U.S. Pours Millions Into Fighting Poachers in South Africa," Dec. 22, 2015 *New York Times* (<http://www.nytimes.com/2015/12/23/world/africa/us-pours-millions-into-fighting-poachers-in-south-africa.html>)
- Centre for Research on Multinational Corporations (SOMO). 2014. "The Patchwork of Non-Judicial Grievance Mechanisms: Addressing the limitations of the current landscape," (http://grievancemechanisms.org/resources/brochures/non-judicial-grievance-mechanisms-a-patchwork-1/at_download/file)
- Claire Provost, "Farmers sue World Bank lending arm over alleged violence in Honduras," 8 March 2017, *The Guardian* (<https://www.theguardian.com/global-development/2017/mar/08/farmers-sue-world-bank-lending-arm-ifc-over-alleged-violence-in-honduras>)
- Zeid Ra'ad al Hussein, "Human rights trampled in push to build infrastructure," March 7, 2017 *Miami Herald* (<http://www.miamiherald.com/opinion/op-ed/article136884218.html>)
- Mike Ives, "Laos Dam Failure Exposes Cracks in a Secretive Government's Agenda," July 29, 2018 *New York Times* (<https://www.nytimes.com/2018/07/29/world/asia/laos-dam-response-government.html>)
- Amnesty International, "Ecuador: Inter-American Court ruling marks key victory for Indigenous Peoples," 27 July 2012 (<https://www.amnesty.org/en/press-releases/2012/07/ecuador-inter-american-court-ruling-marks-key-victory-indigenous-peoples-20/>)
- Full judgment (not required reading): http://corteidh.or.cr/docs/casos/articulos/seriec_245_ing.pdf
- Judgment summary (not required): http://www.corteidh.or.cr/docs/casos/articulos/resumen_245_ing.pdf

Recommended:

- Winanti, Poppy Sulistyaning, and Hasrul Hanif. 2020. "When global norms meet local politics: Localising transparency in extractive industries governance." *Environmental Policy and Governance* n/a (n/a).
- Daniel D. Bradlow and Andria Naudé Fourie. 2011. "International Law Association: Study Group: Responsibility of International Organisations – The Evolution of Operational Policies and Procedures at International Financial Institutions: Normative Significance and Enforcement Potential," Draft Report. [D2L]
- Independent Accountability Mechanisms Network. 2012. "Citizen-driven Accountability for Sustainable Development: Giving Affected People a Greater Voice—20 Years On," (http://siteresources.worldbank.org/EXTINSPECTIONPANEL/Resources/Rio+20_IAMs_Contribution_1.pdf)
- The Accountability Council. 2012. "Accountability Resource Guide: Tools for Redressing Human Rights & Environmental Violations by International Financial Institutions, Export Promotion Agencies, & Private Corporate Actors." (READ ONLY PAGES 1--24, i.e., "How to Use This Guide", "Strategic Considerations", and World Bank Group materials) (<http://www.accountabilitycounsel.org/wp-content/uploads/2012/04/ARG-7.1.pdf>)
- New York Times series "Choking on Growth" on the Environment in China (all articles available at: http://www.nytimes.com/interactive/2007/12/21/world/asia/choking_on_growth_9.html)

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- McLean, Elena V. 2015. A Strategic Theory of International Environmental Assistance. *Journal of Theoretical Politics* 27(2): 324-47.
- Sovacool, Benjamin K., Götz Walter, Thijs Van de Graaf, and Nathan Andrews. 2016. Energy Governance, Transnational Rules, and the Resource Curse: Exploring the Effectiveness of the Extractive Industries Transparency Initiative (EITI). *World Development* 83: 179-92.
- World Commission on Dams. *DAMS AND DEVELOPMENT: A New Framework for Decision-Making, THE REPORT OF THE WORLD COMMISSION ON DAMS: AN OVERVIEW* 2000. Available from http://www.dams.org/docs/overview/wcd_overview_booklet.pdf

April 13 - Trade in Environmental Goods and Services; Relationship between trade and environmental governance at multiple levels [will spill over to April 15]

Chasek and Downie, 264-277 (“Changing Economic Realities”)

Erica Goode, “Cuba’s Environmental Concerns Grow with Prospect of U.S. Presence,” July 1, 2015 *New York Times* (<http://www.nytimes.com/2015/07/02/science/earth/cubas-environmental-concerns-grow-with-prospect-of-us-presence.html>)

Associated Press, “U.S. and Cuba Sign Environmental Pact,” Nov. 18, 2015 *New York Times* (<http://www.nytimes.com/2015/11/19/world/americas/us-and-cuba-sign-environmental-pact.html>)

Edward Wong, “China Exports Pollution to U.S., Study Finds,” January 20, 2014 *New York Times* (<http://www.nytimes.com/2014/01/21/world/asia/china-also-exports-pollution-to-western-us-study-finds.html>)

Ron Nixon and Coral Davenport, “Environmentalists Praise Wildlife Measures in Trans-Pacific Trade Pact,” Oct. 5, 2015 *New York Times* (<http://www.nytimes.com/2015/10/06/business/environmentalists-praise-wildlife-measures-in-trans-pacific-trade-pact.html>)

Summary of: 1998. UNITED STATES - IMPORT PROHIBITION OF CERTAIN SHRIMP AND SHRIMP PRODUCTS. WT/DS58/AB/R: World Trade Organization Appellate Body (https://www.wto.org/english/tratop_e/dispu_e/cases_e/1pagesum_e/ds58sum_e.pdf)

[Full decision (not required reading): http://www.wto.org/english/tratop_e/dispu_e/cases_e/ds58_e.htm (Click on “Appellate Body Report” then click on the “E” under “Original Format.”)]

“WTO Panel Finds US Revisions to “Dolphin-Safe” Tuna Labels in Conflict With Trade Rules,” 16 April 2015 *BRIDGES Weekly Trade News Digest* 19(13) (<http://www.ictsd.org/bridges-news/bridges/news/wto-panel-finds-us-revisions-to-dolphin-safe-tuna-labels-in-conflict-with>)

“WTO Appellate Body Deems EU Seal Ban ‘Justified,’ Implementation Flawed,” 28 May 2014 *BRIDGES Weekly Trade News Digest* 18(19) (<http://www.ictsd.org/bridges-news/bridges/news/wto-appellate-body-deems-eu-seal-ban-justified-implementation-flawed>)

“US, Peru Assess Efforts to Tackle Illegal Logging Under Trade Accord,” 4 October 2018 *BRIDGES* 22(32) (<https://www.ictsd.org/bridges-news/bridges/news/us-peru-assess-efforts-to-tackle-illegal-logging-under-trade-accord>)

Recommended:

Axelrod, Mark. 2011. Savings Clauses and the “Chilling Effect”: Regime Interplay as Constraints on International Governance/Law. In Oberthur, S., and O. Schram Stokke, eds., *Managing Institutional Complexity: Regime Interplay and Global Environmental Change*

Johnson, Tana. 2015. Information Revelation and Structural Supremacy: The World Trade Organization’s Incorporation of Environmental Policy. *The Review of International Organizations* 10(2): 207-29.

Axelrod, Mark. 2014. Clash of the treaties: Responding to institutional interplay in European Community–Chile swordfish negotiations. *European Journal of International Relations* 20 (4): 987-1013.

Stilwell, Matthew, and Elisabeth Tuerk. 1999. Trade Measures and Multilateral Environmental Agreements: Resolving Uncertainty and Removing the WTO Chill Factor. In *Working Paper: WWF/CIEL*.

Porter, Gareth. 1999. Trade Competition and Pollution Standards: ‘Race to the Bottom’ or ‘Stuck at the Bottom’?, *Journal of Environment and Development* 8 (2): 133-151 (er.lib.msu.edu)

Logsdon, Jeanne M., and Bryan W. Husted. 2000. “Mexico’s environmental performance under NAFTA: the first 5 years.” *Journal of Environment and Development* 9 (4):370-83 (er.lib.msu.edu)

Axelrod, Mark, et al. 2015. Cascading Globalization and Local Response: Indian Fishers’ Response to Export Market Liberalization. *Journal of Environment and Development* 24(3): 315-344.

Prakash, Aseem, and Matthew Potoski. 2006. “Racing to the Bottom?: Trade, Environmental Governance, and ISO 14001.” *American Journal of Political Science* 50 (2)

Wiener, Jonathan B. 2002. Precaution in a Multirisk World, in Paustenbach, ed., *Human and Ecological Risk Assessment: Theory and Practice* (http://scholarship.law.duke.edu/faculty_scholarship/1113/ “Download”)

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Part 5: Conclusion

April 15 – Alternative approaches: World Environment Organization & Sustainable Development Goals (SDGs)

FINAL COUNTRY PAPER IS DUE AT THE BEGINNING OF CLASS

Chasek and Downie, 277-285 (“Balancing the Environmental and Sustainable Development Agendas” and “Conclusion” of chapter 6)

“UN Officials Review Sustainable Development Goal Implementation, Call for Faster Progress,” 26 July 2018 *BRIDGES* 22(27) (<https://www.ictsd.org/bridges-news/bridges/news/un-officials-review-sustainable-development-goal-implementation-call-for>)

Biermann, Frank. 2000. The case for a world environment organization. *Environment* 42 (9):23-31.

Najam, Adil. 2003. The case against a new international environmental organization. *Global Governance* 9 (3):367-384.

Recommended:

Chasek, Pamela S., and Lynn M. Wagner. 2016. Breaking the Mold: A New Type of Multilateral Sustainable Development Negotiation. *International Environmental Agreements: Politics, Law and Economics* 16(3): 397-413.

United Nations. 2008. “Management Review of Environmental Governance within the United Nations System” (http://www.unjui.org/data/reports/2008/en2008_3.pdf)

April 20 - Conclusion

- What have you learned this semester?
- How many of you have a different opinion of international law now than you did at the start of this course? How has it changed?
- What is the future of international environmental law and policy?

Chasek and Downie, 291-309 (“Chapter 7: The Future of Global Environmental Politics”)

The Guardian. 2015. “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>

Recommended:

JoAnn Carmin and Julian Agyeman, “Reflections on Environmental Inequality Beyond Borders” in JoAnn Carmin and Julian Agyeman, eds. *Environmental inequalities beyond borders: local perspectives on global injustices* (Cambridge, Mass.: MIT Press).

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.

Young, Oran R. 1999. Regime effectiveness: taking stock. In *Effectiveness of international environmental regimes: causal connections and behavioral mechanisms*, edited by O. R. Young. Cambridge, MA: MIT Press

Breitmeier, Helmut, Arild Underdal, and Oran R. Young. 2011. “The Effectiveness of International Environmental Regimes: Comparing and Contrasting Findings from Quantitative Research.” *International Studies Review* 13 (4):579-605.

Brown Weiss and Jacobson, chapter 15: Harold K. Jacobson and Edith Brown Weiss, “Assessing the record and designing strategies to engage countries.” (available as E-book through MSU Library website)

FINAL EXAM REVIEW SESSION – DATE/TIME TO BE DETERMINED

Final Exam – Thursday, April 29 2021 5:45pm - 7:45pm