**SGO2302: Environment and Society
 Reading list for 2024**

The textbook has been thoroughly revised in a second edition that will be published in mid-2024. I will revise the lecture in the spring of 2024 to follow the new edition of the textbook, making drafts of the chapters available to students on Canvas. Officially, however, we can put that the first edition of the textbook will be used. About 75% of the readings have been updated to reflect recent literature on environment and society and to better represent the growing literature on climate justice, emotions and grief, climate disinformation, Indigenous knowledge, and the eco-centric discourse.

**Textbook**: Leichenko, R. M. and O’Brien, K. 2019. *Climate and Society: Transforming the Future*. Cambridge: Polity Press.  (250 pages)

**Lectures will be based on:**

Leichenko, R. M. and O’Brien, K. 2024. *Climate and Society: Transforming the Future*. Second Edition. Cambridge: Polity Press.  (Manuscript will be available on Canvas)

**Lecture 1 - The Social Challenge of Environmental Change**

* Leichenko and O’Brien 2019 (Ch. 1)
* Davis, J., Moulton, A.A., Van Sant, L., Williams, B., 2019. Anthropocene, Capitalocene, … Plantationocene?: A Manifesto for Ecological Justice in an Age of Global Crises. *Geography Compass* 13(5), e12438.
* Rockström, Johan et al. “Safe and Just Earth System Boundaries.” Nature 619, no. 7968 (July 2023): 102–11. <https://doi.org/10.1038/s41586-023-06083-8>.
* Sultana, F., 2022a. Critical climate justice. The Geographical Journal 188(1): 118–124.
* *Recommended*: Solnit, R. (2023). “Difficult is Not the Same as Impossible.” In Solnit, R. and Lutunatabua, T.Y. (eds): *Not Too Late: Changing the Climate Story from Despair to Possibility*. Chicago: Haymarket Books.

**Lecture 2 - Climate Change: Is Scientific Knowledge Enough?**

* Leichenko and O’Brien 2019 (Ch. 2)
* Armstrong McKay, D.I., et al., 2022. Exceeding 1.5°C global warming could trigger multiple climate tipping points. *Science* 377(6611): eabn7950.
* Lewandowsky, S., 2021. Climate Change Disinformation and How to Combat It. Annual Review of Public Health 42(1): 1–21.
* Moser, S.C. and Dilling, L., 2011. Communicating climate change: Closing the science–action gap. The Oxford Handbook of Climate Change and Society. Oxford: Oxford University Press, 161–74.
* *Recommended*: Hassol, S.J., 2023. The Right Words Are Crucial to Solving Climate Change. Scientific American.

**Lecture 3 - Discourses and Frames of Environmental Problems and Solutions**

Leichenko and O’Brien 2019 (Ch. 3)

* O’Brien, K. 2018. Is the 1.5°C Target Possible? Exploring the Dynamics of Social Transformations. COSUST 31: 153-160 [Available online](https://doi.org/10.1016/j.cosust.2018.04.010) (7 pages)
* Dryzek, J. 2013. Making Sense of Earth’s Politics: A Discourse Approach. Chapter 1 (Pages 3-23) in Dryzek, John. 2013. *The Politics of the Earth: Environmental Discourses* Oxford: Oxford University Press. (21 pages)
* Rice, J., Long, J., and Levenda, A., 2022. Against climate apartheid: Confronting the persistent legacies of expendability for climate justice. Environment and Planning E: Nature and Space 5(2): 625–645.
* *Recommended*: Wildcat, D.R., 2009. *Red alert! saving the planet with indigenous knowledge*. Golden, CO: Fulcrum. Chapter 2, The Truth is Not Inconvenient – It is Deadly.

**Lecture 4 - The Role of Worldviews, Beliefs, and Emotions**

* Leichenko and O’Brien 2019 (Ch. 4),
* Bentz, J. 2020. Learning about Climate Change in, with and through Art. *Climatic Change* 162: 1595–1612.
* Schlitz, M. M., Vieten, C., and Miller, E. M., 2010. Worldview transformation and the development of social consciousness. *Journal of Consciousness Studies* 17(7–8): 18–36.
* Hamilton, J., 2022. “Alchemizing Sorrow Into Deep Determination”: Emotional Reflexivity and Climate Change Engagement. *Frontiers in Climate* 4: 786631.
* *Recommended*: Riedy, C. 2019. The Witnesses. Pages 1- 15 in K. O’Brien et al (eds) Our Entangled Future: Stories to Empower Quantum Social Change. (15 pages) [E-book](https://www.sv.uio.no/iss/english/research/projects/adaptation/news/our-entangled-future_obrien-et-al_2019.pdf).

**Lecture 5 - Biodiversity and Land-use Change**

* Caro, T., Rowe, Z., Berger, J., Wholey, P., and Dobson, A., 2022. An inconvenient misconception: Climate change is not the principal driver of biodiversity loss. *Conservation Letters* 15(3): e12868.
* Feng, X., et al. 2021. How deregulation, drought and increasing fire impact Amazonian biodiversity*. Nature* 597(7877): 516–521.
* Gosnell, H., 2022. Regenerating soil, regenerating soul: an integral approach to understanding agricultural transformation. *Sustainability Science* 17: 603–620.
* *Recommended*: Fraanje, W. and Garnett, T., 2022. Rewilding and its implications for agriculture. *TABLE*. Available at: <https://tabledebates.org/building-blocks/rewilding-and-its-implications-agriculture> [Accessed September 17, 2023].

**Lecture 6 - The Social Drivers of Environmental Change**

* Leichenko and O’Brien 2019 (Ch. 5),
* Freire-González, Jaume. 2021. “Governing Jevons’ Paradox: Policies and Systemic Alternatives to Avoid the Rebound Effect.” Energy Research & Social Science 72: 101893. https://doi.org/10.1016/j.erss.2020.101893.
* Stoddard, I. et al., 2021. Three decades of climate mitigation: Why haven’t we bent the global emissions curve? *Annual Review of Environment and Resources* 46(1): 653–689.
* Szigeti, C., Toth, G., & Szabo, D. R. (2017). Decoupling–shifts in ecological footprint intensity of nations in the last decade. Ecological Indicators, 72, 111-117. Available Online (7 pages)
* Barros, B., Wilk, R., 2021. The outsized carbon footprints of the super-rich. *Sustainability: Science, Practice and Policy* 17, 316–322.

**Lecture 7 - Climate Change and Energy**

* Leichenko and O’Brien 2019 (Ch. 6),
* Blondeel, M., Bradshaw, M.J., Bridge, G., Kuzemko, C., 2021. The geopolitics of energy system transformation: A review. *Geography Compass* 15, e12580.
* Newell, P.J., Geels, F.W., Sovacool, B.K., 2022. Navigating tensions between rapid and just low-carbon transitions. Environmental Research Letters 17(4): 041006.
* Welsby, D., Price, J., Pye, S., & Ekins, P. (2021). Unextractable fossil fuels in a 1.5 C world. Nature, 597(7875), 230-234. Available online (4 pages)
* Timperley, J., 2021. Why fossil fuel subsidies are so hard to kill. Nature 598(7881): 403–405.

**Lecture 8 - Climate Change Impacts and Vulnerabilities**

* Leichenko and O’Brien 2019 (Ch. 7)
* Adger, W.N., Barnett, J., Brown, K., Marshall, N., and O’Brient al., K., 2013. Cultural dimensions of climate change impacts and adaptation. *Nature Climate Change* 3(2): 112–117.
* Allison, E.A., 2015. The spiritual significance of glaciers in an age of climate change. *Wiley Interdisciplinary Reviews: Climate Change* 6(5): 493–508.
* Thomas, K., et al. (2019). Explaining differential vulnerability to climate change: A social science review. *Wiley Interdisciplinary Reviews: Climate Change*, *10*(2), e565. [Available Online](https://doi.org/10.1002/wcc.565) (18 pages)
* *Recommended*: Eriksen, S.H., 2022. Is my vulnerability so different from yours? A call for compassionate climate change research. *Progress in Human Geography* 46(6): 1279–1297.

**Lecture 9 - Climate Change and Security**

* Leichenko and O’Brien (Chapter 8)
* Galway, L.P., Esquega, E., and Jones-Casey, K., 2022. “Land is everything, land is us”: Exploring the connections between climate change, land, and health in Fort William First Nation. *Social Science & Medicine* 294: 114700.
* Kaczan, D.J. and Orgill-Meyer, J., 2020. The impact of climate change on migration: A synthesis of recent empirical insights*. Climatic Change* 158(3-4) 281–300.
* Semenza, J.C., Rocklöv, J., and Ebi, K.L., 2022. Climate change and cascading risks from infectious disease. *Infectious Diseases and* Therapy 11(4): 1371–1390.
* Chapron, G., Epstein, Y., and López-Bao, J.V., 2019. A rights revolution for nature. *Science* 363(6434): 1392–1393.

**Lecture 10: Adaptating to Environmen.tal Change**

* Leichenko and O’Brien (Ch 9)
* Ajibade, I., 2019. Planned retreat in Global South megacities: Disentangling policy, practice, and environmental justice. *Climatic Change* 157(2): 299–317.
* Eriksen, S.H., Nightingale, A.J., and Eakin, H., 2015. Reframing adaptation: The political nature of climate change adaptation. *Global Environmental Change* 35: 523–533.
* Whyte, K., 2017. Indigenous climate change studies: Indigenizing futures, decolonizing the Anthropocene. *English Language Notes* 55(1): 153–162.
* *Recommended*: Schipper, E.L.F., 2020. Maladaptation: when adaptation to climate change goes very wrong. *One Earth* 3, 409–414.

**Lecture 11: Transforming the Future**

* Leichenko and O’Brien (Ch. 10)
* Bennett, N.J., Blythe, J., Cisneros-Montemayor, A.M., Singh, G.G., and Sumaila, U.R., 2019. Just transformations to sustainability. Sustainability 11(14): 3881.
* Gram-Hanssen, I., Schafenacker, N., and Bentz, J., 2022. Decolonizing transformations through ‘right relations.’ Sustainability Science 17(2): 673–685.
* O’Brien, K., et al. 2023. Fractal approaches to scaling transformations to sustainability. *Ambio* 52: 1448-1461.
* *Recommended*: Macy, J. and Johnstone, C., 2022. A*ctive Hope: How to Face the Mess We’re in with Unexpected Resilience and Creative Power*, revised edn. Novato, CA: New World Library. Introduction and Chapter 10: Daring to Believe it is Possible