



Literature for MESS62, Climate Change and Society applies from the autumn semester 2024

**Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2024-05-31 to apply from 2024-05-31**

See appendix.



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Klimat och samhälle, 15 högskolepoäng

Climate Change and Society, 15 credits

MESS62 litteraturlista fastställd av LUCSUS styrelse den 31 maj 2024.

Core literature (about 250 pages total):

Leichenko, R. and **O'Brien, K.** (2019). *Climate and Society: Transforming the Future*. Wiley, **248 pages**.

Selected articles and book sections (about 1050 pages in total, 1300 pages including supplementary reading):

Abrahams, Y. (2018). How must I explain to the dolphins?: An intersectional approach to theorizing the epistemology of climate uncertainty. *Environmental Ethics*, 40(4), 389–404. **15 pages**.

Aklin, M., & Mildemberger, M. (2020). Prisoners of the wrong dilemma: Why distributive conflict, not collective action, characterizes the politics of climate change. *Global Environmental Politics*, 20(4): 4–27. **23 pages**.

Ananny, M., & **Crawford, K.** (2018). Seeing without knowing: Limitations of the transparency ideal and its application to algorithmic accountability. *New Media & Society*, 20(3), 973–989. **16 pages**.

Anderson, K., & Peters, G. (2016). The trouble with negative emissions. *Science*, 354(6309), 182–183. **2 pages**.

Anguelovski, I., Shi, L., Chu, E., Gallagher, D., Goh, K., Lamb, Z., ... & Teicher, H. (2016). Equity impacts of urban land use planning for climate adaptation: Critical perspectives from the global north and south. *Journal of Planning Education and Research*, 36(3), 333–348. **15 pages**

Avila, S. (2018). “Environmental Justice and the Expanding Geography of Wind Power Conflicts.” *Sustainability Science* 13(3), 599–616. **17 pages.**

Banerjee, N. et al. (2015). Exxon: The Road Not Taken. Inside Climate News. <https://insideclimatenews.org/book/exxon-the-road-not-taken/>. **92 pages.**

Beck, S. & Mahony, M. (2018). The politics of anticipation: The IPCC and the negative emissions technologies experience. *Global Sustainability*, 1, e8. **8 pages.**

Bernstein, S. & Hoffmann, M. (2019). Climate politics, metaphors and the fractal carbon trap. *Nature Climate Change*, 9: 919–925. **6 pages.**

Beuttler, C., Charles, L., & Wurzbacher, J. (2019). The Role of Direct Air Capture in Mitigation of Anthropogenic Greenhouse Gas Emissions. *Frontiers in Climate*, 1(November), 1–7. **7 pages.**

Biggar, P. & Carton, W. (2020) Finance and climate change. In. *The Routledge Handbook of Financial Geography*. Chapter 28. **21 pages.**

Birol, F. (2020). ‘Put clean energy at the heart of stimulus plans to counter the coronavirus crisis’. *International Energy Agency (IEA)*. <https://www.iea.org/commentaries/put-clean-energy-at-the-heart-of-stimulus-plans-to-counter-the-coronavirus-crisis>. **3 pages.**

Borras Jr, S. M., **Franco, J. C.**, & Nam, Z. (2020). Climate change and land: Insights from Myanmar. *World Development*, 129, 104864. **11 pages.**

Boyd, E., Chaffin, B. C., Dorkenoo, K., Jackson, G., Harrington, L., N'Guetta, A., Johansson, E. L., Nordlander, L., Paolo De Rosa, S., Raju, E., Scown, M., Soo, J., & Stuart-Smith, R. (2021). Loss and damage from climate change: A new climate justice agenda. *One Earth*, 4(10), 1365–1370. **5 pages**

Bracking, S. & Leffel, B. (2021) Climate finance governance: Fit for purpose? *WIREs Climate Change*, 12:4, e709. **18 pages.**

Brink, E. & **Wamsler, C.** (2018). Collaborative Governance for Climate Change Adaptation: Mapping citizen–municipality interactions. *Environmental Policy and Governance* 82–97. **15 pages.**

Bryant, G. and **Webber, S.** (2024) Climate capital. In: *Climate Finance: Taking a Position on Climate Futures*. Agenda Publishing. Chapter 2. **19 pages.**

Bulkeley, H., and **Betsill, M.M.** (2013). Revisiting the urban politics of climate change. *Environmental Politics*, 22:1, 136–154. **18 pages**

Bulkeley, H. & Newell, P. (2015). *Governing Climate Change*, Routledge. Available online: <https://www.taylorfrancis.com/books/mono/10.4324/9781315758237/governing-climate-change-harriet-bulkeley-peter-newell>. **Read: Introduction + Chapter 1. 47 pages.**

Bulkeley, H. et al. (2018). Transnational Governance: Charting New Directions Post-Paris. In: A. Jordan et al. (eds.). *Governing Climate Change: Polycentricity in Action?* Cambridge: Cambridge University Press, Chapter 4, 63-80. Available online: <https://doi.org/10.1017/9781108284646>. **17 pages.**

Byskov, M. F., Hyams, K., Satyal, P., Anguelovski, I., Benjamin, L., Blackburn, S., ... & Venn, A. (2021). An agenda for ethics and justice in adaptation to climate change. *Climate and Development*, 13(1), 1-9. **9 pages.**

Campiglio, E. (2016) Beyond carbon pricing: The role of banking and monetary policy in financing the transition to a low-carbon economy. *Ecological Economics*, 121, 220-230. **11 pages**

Carbon Disclosure Project. (2017). *The Carbon Majors Database: CDP Carbon Majors Report 2017*. <https://b8f65cb373b1b7b15feb-c70d8ead6ced550b4d987d7c03fcd1d.ssl.cf3.rackcdn.com/cms/reports/documents/000/002/327/original/Carbon-Majors-Report-2017.pdf?1499691240>. **16 pages.**

Carrington, D. & Mommers, J. (2017): 'Shell knew': oil giant's 1991 film warned of climate change danger. *The Guardian*. <https://www.theguardian.com/environment/2017/feb/28/shell-knew-oil-giants-1991-film-warned-climate-change-danger>. **4 pages.**

Chatterton, P. Featherstone, D. & Routledge, P. (2013). Articulating Climate Justice in Copenhagen: Antagonism, the Commons, and Solidarity. *Antipode*. 602-620. **12 pages.**

Cork, S., **Alexandra, C.**, Alvarez-Romero, J. G., Bennett, E. M., Berbés-Blázquez, M., Bohensky, E., ... & Wyborn, C. (2023). Exploring alternative futures in the Anthropocene. *Annual Review of Environment and Resources*, 48, 25-54. **29 pages.**

Cornell, S. & **Gupta, A.** (2020). Is climate change the most important challenge of our times? In: Hulme, M. (ed.), *Contemporary Climate Change Debates: A Student Primer*, Abingdon, Earthscan/Routledge, Chapter 1, 6-20. Available online: <https://doi-org.ludwig.lub.lu.se/10.4324/978042944625>. **15 pages.**

Davis, S. & Caldeira, K. (2010.) Consumption-based accounting of CO2 emissions. *Proceedings of the National Academy of Sciences Mar*, 107(12) 5687-5692. **5 pages.**

Death, C. (2022) Climate Fiction, Climate Theory: Decolonising Imaginations of Global Futures. *Millennium*, 50:2, 430-45. **26 pages.**

Den Elzen, M.G.J. et al. (2013). Countries' contributions to climate change: effect of accounting for all greenhouse gases, recent trends, basic needs and technological progress. *Climatic Change* 121, 397–412 **15 pages.**

Djoudi, H. et al. (2016). Beyond dichotomies: Gender and intersecting inequalities in climate change studies. *Ambio*, 45(3), 248-262. **15 pages.**

Eriksen, S.H., Nightingale, A.J., & Eakin, H. (2015). Reframing adaptation: The political nature of climate change adaptation. *Global Environmental Change* 35, 523–533. **10 pages.**

Faghmous, J. H. & Kumar, V. (2014). A Big Data Guide to Understanding Climate Change: The Case for Theory-Guided Data Science. *Big Data*, 2(3), 154–167. **13 pages.**

Falkner, R. (2016). The Paris Agreement and the new logic of international climate politics. *International Affairs*, 92(5), 1107–1125. **18 pages.**

Fournier, V. (2008.) Escaping from the economy: the politics of degrowth, *International Journal of Sociology and Social Policy*, Vol. 28: 11/12 pp. 528 – 545. **17 pages.**

Fuhr, H., Hickman, T., and Kern, K.(2018). The role of cities in multi-level climate governance: local climate policies and the 1.5 C target. *Current Opinion in Environmental Sustainability*, 30: 1-6. **6 pages**

Gabrielsson, S., Brogaard, S., & Jerneck, A. (2013). Living without buffers—illustrating climate vulnerability in the Lake Victoria basin. *Sustainability Science*, 8(2), 143-157. **15 pages.**

Gabrielsson, S. & Ramasar, V. (2013). Widows: Agents of change in a climate of water uncertainty. *Journal of Cleaner Production*, 60, 34-42. **9 pages.**

Gabrielsson, S. (2015) Gender Matters: Adaptive Capacities to climate vulnerability and change in the Lake Victoria Basin. In: Inderberg, T. et al. (eds.). *Climate Change Adaptation and Development: Transforming Paradigms and Practices*. 99-113. Routledge: NY. **14 pages.**

Gillespie, T. (2017). Algorithmically recognizable: Santorum's Google problem, and Google's Santorum problem, *Information, Communication & Society*, 20(1), 63-80. **17 pages.**

Gough, C. et al. (2018). Challenges to the use of BECCS as a keystone technology in pursuit of 1.50C. *Global Sustainability*, 1, e5. **9 pages.**

Hamann, M. et al. (2020) Scenarios of Good Anthropocenes in southern Africa. *Futures*, 118, 102526. **16 pages**

Homer-Dixon, T. (2020). 'Coronavirus will change the world. It might also lead to a better future'. *The Globe and Mail*.

<https://www.theglobeandmail.com/opinion/article-the-coronavirus-is-a-collective-problem-that-requires-global/>. **6 pages.**

Hong, C., **Burney, J. A.**, Pongratz, J., **Nabel, J. E.**, Mueller, N. D., Jackson, R. B., & Davis, S. J. (2021). Global and regional drivers of land-use emissions in 1961–2017. *Nature*, 589(7843), 554–561. **7 pages.**

Intergovernmental Panel on Climate Change (IPCC). (2018). Summary for Policymakers. In: *Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development*.

https://www.ipcc.ch/site/assets/uploads/sites/2/2019/05/SR15_SPM_version_report_LR.pdf. **24 pages.**

IPCC (2022) Summary for Policymakers. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 3–33, doi:10.1017/9781009325844.001. **(read parts A and B) 15 pages**

Jerneck, A., & Olsson, L. (2008). Adaptation and the poor: development, resilience and transition. *Climate Policy*, 8(2), 170–182. **12 pages.**

Johansson, E. (2021) Participatory futures thinking in the African context of sustainability challenges and socio-environmental change. *Ecology and Society*, 26(4):3. **24 pages.**

Johansson, E., & **Isgren, E.** (2017) Local perceptions of land-use change: using participatory art to reveal direct and indirect socioenvironmental effects of land acquisitions in Kilombero Valley, Tanzania. *Ecology and Society*, 22(1). **12 pages.**

Johansson, E., Martin, R., & Mapunda, K. M. (2023). Participatory future visions of collaborative agroecological farmer-pastoralist systems in Tanzania. *Agroecology and Sustainable Food Systems*, 1–31. **30 pages.**

Kallis, G. (2011). In defence of degrowth. *Ecological Economics* 70, 873–880. **7 pages.**

Kern, K. (2023). Cities and Urban Transformations in Multi-Level Climate Governance. In: Jörgens, Helge, Christoph Knill, and Yves Steinebach

(eds.). *Routledge Handbook of Environmental Policy*. London: Routledge, 315-326. **9 pages.**

Knutti, R., Rogelj, J. (2015). The legacy of our CO₂ emissions: a clash of scientific facts, politics and ethics. *Climatic Change* 133, 361–373. **12 pages.**

Kothari, A. (2014). Radical Ecological Democracy: A path forward for India and beyond. *Development*, 57(1), 36–45. **9 pages**

Kuchler, M., & Bridge, G. (2018). Down the black hole: Sustaining national socio-technical imaginaries of coal in Poland. *Energy Research and Social Science*, 41(July 2017), 136–147. **11 pages.**

Lenzi, D. (2018). The Ethics of Negative Emissions. *Global Sustainability*, 1, 1–8. **8 pages.**

Matthews, H. (2016). Quantifying historical carbon and climate debts among nations. *Nature Climate Change* 6, 60–64. **4 pages.**

McLaren, D. et al. (2019). Beyond “Net-Zero”: A Case for Separate Targets for Emissions Reduction and Negative Emissions. *Frontiers in Climate*, 1(August), **5 pages.**

Moezzi, M., Janda, K. B., & Rotmann, S. (2017). Using stories, narratives, and storytelling in energy and climate change research. *Energy Research & Social Science*, 31, 1-10. **10 pages.**

Muiderman, K. et al. (2020). Four approaches to anticipatory climate governance: Different conceptions of the future and implications for the present. *Wiley Interdisciplinary Reviews: Climate Change*, 11(6), e673. **20 pages.**

Neville, K. (2020) Shadows of Divestment: The Complications of Diverting Fossil Fuel Finance. *Global Environmental Politics*, 20:2, 3-11. **9 pages.**

Newell, P., & Simms, A. (2019). Towards a fossil fuel non-proliferation treaty. *Climate Policy*, 0(0), 1–12. doi:10.1080/14693062.2019.1636759. **12 pages.**

Nicholas, K. (2021). My Father Was Sick, But It's My Home That's Dying. Elle. <https://www.elle.com/culture/career-politics/a36792101/california-fires-climate-essay/>. **6 pages.**

Nicholas, K. (2021). People Lie About Why They Drive. *We Can Fix It*. <https://wecanfixit.substack.com/p/people-lie-about-why-they-drive>. **11 pages.**

Oomen, J., Hoffman, J., & Hajer, M. A. (2022). Techniques of futuring: On how imagined futures become socially performative. *European Journal of Social Theory*, 25(2), 252-270. **18 pages.**

Oreskes, N., & Conway, E. (2011). *Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming*. New York: Bloomsbury Press. **Introduction + Chapters 1, 6 and 7. 106 pages.**

PBL (2022). IMAGE Framework. PBL Netherlands Environmental Assessment Agency, The Hague.
https://models.pbl.nl/image/IMAGE_framework. **2 pages**

Pellow, D. N. (2023). Environmental justice. In: *Handbook on Inequality and the Environment*. Chapter 6. Edward Elgar Publishing. **14 pages.**

Pielke, J.R. et al. (2007). Climate change 2007: Lifting the taboo on adaptation. *Nature* 445.7128 597. **1 page.**

REN21. (2022). *Renewables 2022 - Global Status Report*. Paris.
https://www.ren21.net/wp-content/uploads/2019/05/GSR2022_Full_Report.pdf. Executive summary and Chapter 1. **54 pages.**

Riahi, K., Van Vuuren, D. P., Kriegler, E., Edmonds, J., O'Neill, B. C., Fujimori, S., ... & Tavoni, M. (2017). The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview. *Global environmental change*, 42, 153-168. **15 pages**

Sanderman, J., Hengl, T., & Fiske, G. J. (2017). Soil carbon debt of 12,000 years of human land use. *Proceedings of the National Academy of Sciences*, 114(36), 9575-9580. **5 pages.**

Schneider, S.H. (1989). The changing climate. *Scientific American*, 261(3), 70-79. **9 pages.**

Seaquist, J. W., Johansson, E., and Nicholas, K. A. (2014) Architecture of the global land acquisition system: applying the tools of network science to identify key vulnerabilities. *Environmental Research Letters*. 9(11):114006. **12 pages.**

Supran, G., & Oreskes, N. (2017). Assessing ExxonMobil's climate change communications. *Environmental Research Letters*, 12. **19 pages.**

Uren, S. (2020). 'Covid-19: a dress rehearsal for the climate emergency?' *Eco-Business*. <https://www.eco-business.com/opinion/covid-19-a-dress-rehearsal-for-the-climate-emergency/>. **5 pages.**

Uri, I., Robinson, S.A., Roberts, J.T. et al. (2024) Equity and Justice in Loss and Damage Finance: A Narrative Review of Catalysts and Obstacles.

Current Climate Change Reports. <https://doi.org/10.1007/s40641-024-00196-6> . **13 pages**

Van Asselt, H. & Zelli, F. (2018). International Governance: Polycentric Governing by and beyond the UNFCCC. In: A. Jordan, D. et al. (eds.) *Governing Climate Change: Polycentricity in Action?* Cambridge: Cambridge University Press; Chapter 2, 29-46. Available online: <https://doi.org/10.1017/9781108284646>. **17 pages.**

Van Schie D, McNamara KE, Yee M, Mirza AB, Westoby R, et al. (2023) Valuing a values-based approach for assessing loss and damage. *Climate and Development*, 1-8. **8 pages**

Van Veelen, B. & Hague, A. (2024) The Role of Translation in Enacting Multiscalar Climate Action: Insights from European Christian Faith-Based Actors. *Global Environmental Politics*. **23 pages.**

Van Veelen, B. & van der Horst, D. (2020) What is energy democracy? Connecting social science energy research and political theory. *Energy Research and Social Science*, 46, 19-28. **9 pages.**

Van Vuuren, D. P., Edmonds, J., Kainuma, M., Riahi, K., Thomson, A., Hibbard, K., ... & Rose, S. K. (2011). The representative concentration pathways: an overview. *Climatic change*, 109, 5-31. **26 pages**

York, Richard. (2012). Do Alternative Energy Sources Displace Fossil Fuels? *Nature Climate Change* 2(6): 441–43. **3 pages.**

+ around 100 pages worth of blogposts, newspaper articles, websites and opinion pieces that will form the basis of discussions and seminars.

+ around 300 pages to be selected depending on topics of written group assignment and individual course paper.

+ around 250 pages on a climate fiction novel chosen by the students

Author gender balance

46% of publications have female scholars as their first author, and 60% have female scholars as either first or second author (including supplementary readings). Reports (such as the IPCC) for which no gender division can be determined are excluded from this calculation. The gender division is justified because our course textbook, which the students will read in its entirety, is authored by two female scholars.