



**Literature for MESS51, Science and Politics of Climate  
Change applies from autumn semester 2018**

Literature established by The Board of the Lund University Centre for  
Sustainability Studies on 2018-06-14 to apply from 2018-09-03

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See appendix.

## Klimatförändring som vetenskap och politik, 7,5 högskolepoäng

*Science and Politics of Climate Change, 7,5 credits*

MESS51 litteraturlista fastställd av LUCSUS styrelse den 14 juni 2018 (Dnr STYR 2018/1069).

- Bathiany, S, M Scheffer, EH Van Nes, MS Williamson, and TM Lenton. 2018. "Abrupt Climate Change in an Oscillating World." *Scientific reports* 8 (1):5040. (12 p)
- Black, Richard, Stephen RG Bennett, Sandy M Thomas, and John R Beddington. 2011. "Climate change: Migration as adaptation." *Nature* 478 (7370):447-449. (3 p)
- Brzoska, Michael, and Christiane Fröhlich. 2016. "Climate change, migration and violent conflict: vulnerabilities, pathways and adaptation strategies." *Migration and Development* 5 (2):190-210. (20 P)
- Crutzen, P. 2006. "Albedo enhancement by stratospheric sulfur injections: A contribution to resolve a policy dilemma?" *Climatic Change* 77 (3):211-219. (8 p)
- Dunlap, Riley E. 2013. "Climate change skepticism and denial: An introduction." *American behavioral scientist* 57 (6):691-698. (7 p)
- Edenhofer, Ottmar, Ramón Pichs-Madruga, Youba Sokona, Ellie Farahani, Susanne Kadner, Kristin Seyboth, Anna Adler, Ina Baum, Steffen Brunner, and Patrick Eickemeier. 2014. Climate change 2014: Mitigation of climate change. In *Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge, UK and New York, NY, USA: Intergovernmental Panel on Climate Change. (30 p)
- Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, Mastrandrea P.R., and L.L. White L.L. 2014. *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge, UK, and New York, USA: Cambridge University Press. (30 p)
- Fuss, Sabine, Josep G Canadell, Glen P Peters, Massimo Tavoni, Robbie M Andrew, Philippe Ciais, Robert B Jackson, Chris D Jones, Florian Kraxner, and Nebosja Nakicenovic. 2014. "Betting on negative emissions." *Nature Climate Change* 4 (10):850-853. (4 p)
- Horton, Joshua B, David W Keith, and Matthias Honegger. 2016. "Implications of the Paris Agreement for Carbon Dioxide Removal and Solar Geoengineering." *Viewpoints by The Harvard Project on Climate Agreements* (July 2016):10. (10 p)
- Luederitz, Christopher, Moritz Meyer, David J Abson, Fabienne Gralla, Daniel J Lang, Anna-Lena Rau, and Henrik von Wehrden. 2016. "Systematic student-driven literature reviews in sustainability science—an effective way to merge research and teaching." *Journal of Cleaner Production* 119:229-235. (6 p)
- Mastrandrea, MD, CB Field, TF Stocker, O Edenhofer, KL Ebi, DJ Frame, H Held, E Kriegler, KJ Mach, and PR Matschoss. 2010. "Guidance note for lead authors of the IPCC fifth assessment report on consistent treatment of uncertainties." available at <https://www.ipcc.ch>. (7 p)
- O'Brien, K., et al., *Why different interpretations of vulnerability matter in climate change discourses*. Climate Policy, 2007. 7(1): p. 73-88. (15 p)
- Olsson, Lennart. 2017. "Climate migration and conflicts: A self-fulfilling prophecy?" In *Climate Change, Migration and Human Rights: Law and Policy Perspectives*, edited by Dimitra Manou, Andrew Baldwin, Dug Cubie, Anja Mihr and Teresa Thorp, 117-128. Abingdon, UK: Routledge. (11 p)

- Oreskes, Naomi. 2018. "The scientific consensus on climate change: How do we know we're not wrong?" In *Climate Modelling*, 31-64. Springer. (32 p)
- Praetorius, Summer K. 2018. "North Atlantic circulation slows down." *Nature* 556 (12 April 2018):180-181. (1 p)
- Scheffran, Jürgen, Michael Brzoska, Jasmin Kominek, Michael Link, and Janpeter Schilling. 2012. "Climate change and violent conflict." *Science(Washington)* 336 (6083):869-871. (3 p)
- Schleussner, Carl-Friedrich, Joeri Rogelj, Michiel Schaeffer, Tabea Lissner, Rachel Licker, Erich M. Fischer, Reto Knutti, Anders Levermann, Katja Frieler, and William Hare. 2016. "Science and policy characteristics of the Paris Agreement temperature goal." *Nature Clim. Change* 6 (9):827-835. doi: 10.1038/nclimate3096. (9 p)
- Stocker, Thomas. 2014. *Climate change 2013: the physical science basis: Working Group I contribution to the Fifth assessment report of the Intergovernmental Panel on Climate Change*: Cambridge University Press. (30 p)
- Van Vuuren, Detlef P, Andries F Hof, Mariësse AE Van Sluisveld, and Keywan Riahi. 2017. "Open discussion of negative emissions is urgently needed." *Nature Energy* 2 (12):902. (2 p)
- Webb, Nicholas P, Nadine A Marshall, Lindsay C Stringer, Mark S Reed, Adrian Chappell, and Jeffrey E Herrick. 2017. "Land degradation and climate change: building climate resilience in agriculture." *Frontiers in Ecology and the Environment* 15 (8):450-459. (10 p)
- Wilson, E.O., *The creation: An appeal to save life on earth*. 2010: WW Norton & Company. (2 p)
- Wright, E.O., *Sociological limitations of the climate change encyclical*. *Nature Climate Change*, 2015. 5(10): p. 902., Chapter 1 pp 3-8 (6 p)

Articles in yellow contain female author, uncolored articles men only.

Total No of pages: 270 pages. In addition to these readings students need to read about 30 – 60 articles for their assignments.