



**Literature for MESS41, Energy and Sustainability applies from
autumn semester 2023**

Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2023-06-07 to apply from 2023-06-07

See appendix.



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MESS41 LITERATURE LIST

2023-06-07

Dnr STYR 2023/1235

Energi och hållbarhet, 7,5 högskolepoäng

Energy and Sustainability, 7,5 credits

MESS41 litteraturlista fastställd av LUCSUS styrelse den 7 juni 2023.

Course literature

1. Stephenson, Janet. et al . 2015. The Energy Cultures framework: exploring the role of norms, practices and material culture in shaping energy behaviour in New Zealand and the Pacific. *Energy Research & Social Science*. 7:117-123 (7 pp)
2. Arvizu, D., T. Bruckner, H. Chum, O. Edenhofer, S. Estefen, A. Faaij, M. Fischedick, G. Hansen, G. Hiriart, O. Hohmeyer, K. G. T. Hollands, J. Huckerby, S. Kadner, Å. Killingtveit, A. Kumar, A. Lewis, O. Lucon, P. Matschoss, L. Maurice, M. Mirza, C. Mitchell, W. Moomaw, J. Moreira, L. J. Nilsson, et al (2011) Technical Summary. In IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation [O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, C. von Stechow (eds)], Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA
<https://www.ipcc.ch/site/assets/uploads/2018/03/Technical-Summary-1.pdf> pages 146-158 (14 pp)
3. Avila, Sofia., Deniau, Y., Sorman, A. H., & McCarthy, J. (2022). (Counter)mapping renewables: Space, justice, and politics of wind and solar power in Mexico. *Environment and Planning E: Nature and Space*, 5(3), 1056–1085 (31 pp)
4. Beck, S., & Mahony, M. (2017). The IPCC and the politics of anticipation. *Nature Climate Change*, 7(5), 311–313. (3pp)

5. Blondeel *et al* (2021). The geopolitics of energy systems transformation: A review. *Geography Compass* 10.1111/gec3.12580 (22pp)
6. Busch, H., Radtke, J. & Islar, M. Safe havens for energy democracy? Analysing the low-carbon transitions of Danish energy islands. *Z Politikwiss* (2023).
7. Bridge, Gavin. Bouzarovski, S., Bradshaw, M., and Eyre., N. (2013). Geographies of energy transition: Space, place and the low-carbon economy. *Energy Policy* 53: 331-340 (10 pp)
8. Fathoni et al. 2021. Battle over the sun: Resistance, tension, and divergence in enabling rooftop solar adoption in Indonesia. *Global Environmental Change* 71: 102371
9. GEELS, F. W. 2011. The multi-level perspective on sustainability transitions: Responses to seven criticisms. *Environmental Innovation and Societal Transitions*, 1, 24-40.
10. GEELS, F. W. 2002. Technological transitions as evolutionary reconfiguration processes: a multi-level perspective and a case-study. *Research Policy*, 31, 1257-1274.
11. Guan, Y., Yan, J., Shan, Y. et al. (2023). Burden of the global energy price crisis on households. *Nat Energy* 8:304–316 (12 pp)
12. Martiskainen, Mari and Sovacool, B., Lacey-Barnacle, M., Hopkins, D., Jenkins, K., Simcock, N., Mattioli, G., Bouzarovski, S. 2021. New Dimensions of Vulnerability to Energy and Transport Poverty. *Joule* 5(1): 3-7 (5 pp)
13. Day, Rosie, Walker, G and Simcock, N. (2016) Conceptualizing energy use and energy poverty using a capabilities framework. *Energy Policy* 93:255-264 (10 pp)
14. González-Eguino, M. (2015). Energy poverty: An overview. *Renewable and Sustainable Energy Reviews* 47: 377–385 (8 pages)
15. Gross, Catherine, 2007. "Community perspectives of wind energy in Australia: The application of a justice and community fairness framework to increase social acceptance," *Energy Policy*, Elsevier, vol. 35(5), pages 2727-2736 (10 pp)
16. Grubler Arnulf, Nakicenovic N, Pachauri S, Rogner H-H, Smith KR, et al. (2014): Energy Primer. International Institute for Applied Systems Analysis, Laxenburg, Austria, pp. 1-118. International Energy Agency. (118 pp)
http://www.iiasa.ac.at/web/home/research/researchPrograms/TransitiontoNewTechnologies/energyprimer/Energy_Primer.pdf
17. Hanke, F., Guyet, R., and Feenstra, (2021). Do renewable energy communities deliver energy justice? Exploring insights from 71 European cases. *Energy Research and Social Science* 80:102244 (10pp)

18. Harnesk, David, and Brogaard, S. (2017). Social Dynamics of Renewable Energy—How the European Union’s Renewable Energy Directive Triggers Land Pressure in Tanzania. *The Journal of Environment & Development*, 26(2), 156-185 (30 pp)
19. Hiteva, Ralitsa, and Sovacool B. 2017. Harnessing Social Innovation for Energy Justice: A business model perspective, *Energy Policy*. 107:631-639. (9 pp)
20. Hodboda, Jennifer and, Adger, N. 2014. Integrating social-ecological dynamics and resilience into energy systems research. *Energy Research & Social Science* 1:226–231.(6 pp)
21. IRENA 2020. Global Renewables Outlook: Energy Transformation 2050. Section summary and chapter 1. Pp. 18-95.
https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2020/Apr/IRENA_Global_Renewables_Outlook_2020.pdf (77 pp)
22. Karekezi, Stephen., McDade, S., B. Boardman and J. Kimani, 2012: Chapter 2 - Energy, Poverty and Development. In *Global Energy Assessment - Toward a Sustainable Future*, Cambridge University Press, Cambridge, UK and New York, NY, USA and the International Institute for Applied Systems Analysis, Laxenburg, Austria, pp. 151-190 (40 pp)
<http://www.iiasa.ac.at/web/home/research/Flagship-Projects/Global-Energy-Assessment/Chapter2.en.html>
23. Kowsari, Reza and Zerriffi, H 2011. Three dimensional energy profile: a conceptual framework for assessing household energy use. *Energy Policy*. 39:7505-7517. (13 pp)
24. Lee, Alice, Sinha, I., Boyce, T., Allen, J., and Goldblatt, P. (2022) Fuel poverty, cold homes and health inequalities. London: Institute of Health Equity. (32pp)
25. Magnani, Natalia. 2012. Exploring local sustainability of a green economy in Alpine communities. *Mountain Research and Development* 32(2):109-116 (8 pp)
26. Milchram, Christine *et al.* 2020. Designing for justice in electricity systems: A comparison of smart grid experiments in the Netherlands. *Energy Policy* 147:111720 (9 pp)
27. Muttit, Greg and Kartha, Sivan. 2020. Equity, climate justice and fossil fuel extraction: principles for a managed phase out. *Climate Policy* 20(8):1024-1042 (19 pp)
28. Pittock, Jamie, Hussey, K. and Dovers, S. (Editors) 2015. *Climate, Energy and Water: Managing Trade-Offs, Seizing Opportunities*. Chapter 1-7. Cambridge University Press, New-York. (122 pp).
29. Ransan-Cooper, Hedda. *et al.* (2022). Neighbourhood batteries in Australia: Anticipating questions of value conflict and (in)justice. *Energy Research & Social Science* 90: 102572 (10pp)

30. Riahi, Keywan, van Vuuren, D. et al. 2017. The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview. *Global Environmental Change*. 42: 153-168 (15 pp)
31. Robinius, Martin, Otto, A. Heuser, P. et al. Linking the Power and Transport Sectors—Part 1: The Principle of Sector Coupling. *Energies* 2017, 10(7): 956. <https://doi.org/10.3390/en10070956> (10 pp)
32. Scheidel, Arnim., & Sorman, A. H. (2012). Energy transitions and the global land rush: Ultimate drivers and persistent consequences. *Global Environmental Change*, 22(3), 588-595 (7 pp)
33. Scholten, Daniel (Editor). 2018. *The Geopolitics of Renewables*. Chapter 1-4. Springer International Publishing. (124 pp). ISBN 978-3-319-67855-9 (124 pp)
34. Setyowati, Abidah. 2021. Mitigating inequality with emissions? Exploring energy justice and financing transitions to low carbon energy in Indonesia. *Energy Research and Social Science*. 71: 101817 (10 pp)
35. Sorrell, Steve. (2015). Reducing energy demand: A review of issues, challenges and approaches Renewable and Sustainable. *Energy Reviews* 47:74-82 (11 pp)
36. Sovacool, Benjamin, and Dworkin, M. H. (2015). Energy justice: Conceptual insights and practical applications. *Applied Energy*, 142, 435-444 (12 pp)
37. Sovacool, Benjamin. 2016. How long will it take? Conceptualizing the temporal dynamics of energy transitions. *Energy Research and Social Sciences* 13:202-215 (14 pp)
38. Stephens, Jennie, Burke, M., Jordi, E., Watts, R. (2018). Operationalizing Energy Democracy: Challenges and Opportunities in Vermont's Renewable Energy Transformation. *Frontiers in Communications*. <https://www.frontiersin.org/articles/10.3389/fcomm.2018.00043/full> (10 pp)
39. Tsagkari, M. Roca, J and Kallis, G. (2021). From local island energy to degrowth? Exploring democracy, self-sufficiency, and renewable energy production in Greece and Spain, *Energy Research & Social Science*, Volume 81.
40. Vaughan, N. E., & Gough, C. (2016). Expert assessment concludes negative emissions scenarios may not deliver. *Environmental Research Letters*, 11(9) (9 pp)
41. Vakulchuk *et al* (2020). Renewable energy and geopolitics: A review. *Renewable and sustainable energy reviews*. 122:109547 (12 pp)
42. Wang, X. and Lo, K. (2021). Just transition: A Conceptual approach. *Energy research and social science*, 82:102291 (10 pp)

43. Werner, S. (2017) District heating and cooling in Sweden. Energy 126: 419-429 (10pp)
44. Wiese, Katharina 2020. Energy 4 all? Investigating gendered energy justice implications of community-based micro-hydropower cooperatives in Ethiopia. Innovation: The European Journal of Social Science Research, 33(2) 194-217 (24 pp)
45. Yenneti, Komali, Day, R. and Gollubchikov, O. 2016. Spatial justice and the land politics of renewables. Charnaka solar park. Gujarat, India. Geoforum 76:90-99. (10 pp)
46. Zoellick, J. Arpita Bisht. 2018. It's not (all) about efficiency: Powering and organizing technology from a degrowth perspective, Journal of Cleaner Production, Volume 197, Part 2

Total number of pages

852

The deviation from the recommended (1250) number of pages is motivated by: Some literature consists of journal articles. These are heavier in content. Additional literature is required for their own work in paper writing.

Author gender balance

A number of the readings have women as first authors and those have been underlined. Total number of female authors have not been counted – only first author. We strive to achieve an even better gender balance over time in the course.