



Literature for MESS41, Energy and Sustainability applies from autumn semester 2019

**Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2019-06-13 to apply from 2019-09-02**

See appendix.

Energi och hållbarhet, 10 högskolepoäng

Energy and Sustainability, 10 credits

MESS41 litteraturlista fastställd av LUCSUS styrelse den 13 juni 2019 (dnr STYR 2019/1087).

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)

Creutzig, Felix, et al. (2016). Beyond Technology: Demand-Side Solutions for Climate Change Mitigation Annual Review of Environment and Resources. 241:173–98 (25 pp)

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)

Emberson, Lisa., K. He, J. Rockström, M. Amann, J. Barron, R. Corell, S. Feresu, R. Haeuber, K. Hicks, F. X. Johnson, A. Karlqvist, Z. Klimont, I. Mylvakanam, W. W. Song, H. Vallack and Z. Qiang, 2012: Chapter 3 - Energy and Environment. 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. 191-254. (62 pp) <http://www.iiasa.ac.at/web/home/research/Flagship-Projects/Global-Energy-Assessment/Chapter3.en.html>

Fraune, Cornelia. (2015). Gender matters: Women, renewable energy, and citizen participation in Germany *Energy Research & Social Science* 7:55–65 (11 pp)

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/TransitionstoNewTechnologies/energyprimer/Energy_Primer.pdf

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)

Healy, Noel and Barry, J. (2017). Politicizing energy justice and energy systems transitions: fossil fuel divestment and a “just transition”. *Energy Policy* 10:451-459 (8 pp)

IRENA (2019), *Global energy transformation: A roadmap to 2050* (2019 edition), International Renewable Energy Agency, Abu Dhabi. Available for download: www.irena.org/publications. (50 pp) file:///C:/Users/Natg-sbr/Downloads/IRENA_Global_Energy_Transformation_2019.pdf

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>

Martinot, Eric. (2016). Grid Integration of Renewable Energy: Flexibility, Innovation, and Experience. *Annual Review of Environment and Resources* 41:223-251 (28 pp)

Mitra, Subarna and Buluswar, S. (2015). Universal Access to Electricity: Closing the Affordability Gap *Annual Review of Environment and Resources* 40:261-283 (23 pp)

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). ISBN 9781139248792

Riahi, Keywan, van Vuuren, D. et al b (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)

Ryan, Sarah. 2014. Rethinking gender and identity in energy studies. *Energy research and social science* 1:96-105 (10 pp)

Räty, Riitta. and Carlsson-Kanyama, A. (2010). Energy consumption by gender in some European countries. *Energy Policy*, 38 (1):646-649 (4 pp)

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)

Scholten, Daniel (Editor). 2018. *The Geopolitics of Renewables*. Chapter 1-4. Springer International Publishing. (124 pp). ISBN 978-3-319-67855-9

Seto, Karen, Steven J. D., Mitchell, R.B., Eleanor C. Stokes, E.C., Unruh, G. and Ürges-Vorsatz, D. (2016). Carbon Lock-In: Types, Causes, and Policy Implications. *Annual Review of Environment and Resources*, 41:425-452 (26 pp)

Sorrell, Steve. (2015). Reducing energy demand: A review of issues, challenges and approaches Renewable and Sustainable. *Energy Reviews* 47:74-82 (11 pp)

Sovacool, Benjamin, and Dworkin, M. H. (2015). Energy justice: Conceptual insights and practical applications. *Applied Energy*, 142, 435-444 (12 pp)

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> (10 pp)

Total number of pages: 745.

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. This is the first version of the literature for the new course. We will add for example more seminar literature over time.

Gender balance: A number of the papers 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.