



**Literature for SASI03, Environmental Studies and
Sustainability Science: Concepts, Challenges and Approaches in
Sustainability Studies 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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SASI03 LITERATURE LIST

2023-06-07

Dnr STYR 2023/1235

Miljö- och hållbarhetsvetenskap: Koncept, utmaningar och angreppssätt inom hållbarhetsstudier, 7,5 högskolepoäng

*Environmental Studies and Sustainability Science: Concepts, Challenges
and Approaches in Sustainability Studies, 7.5 credits*

SASI03 litteraturlista fastställd av LUCSUS styrelse den 7 juni 2023.

Course literature

Annez, P. C., & Buckley, R. M. (2009). Urbanization and Growth: Setting the Context. In M. Spence, P. C. Annez, & R. M. Buckley (Eds.), *Urbanization and Growth*. Commission on Growth and Development (pp. 1-45). The World Bank (44 pages)

Baltruszewicz, M., Steinberger, J. K., Ivanova, D., Brand-Correa, L. I., Paavola, J., Owen, A. (2021). Household final energy footprints in Nepal, Vietnam and Zambia: composition, inequality and links to well-being. *Environmental research letters* 16 (025011)
<https://iopscience.iop.org/article/10.1088/1748-9326/abd588/pdf> (Read section 1, 2 and 4, 6 pages)

Bennett, E. M. (2017). Changing the agriculture and environment conversation. *Nature Ecology & Evolution*, 1(1), 0018.
<https://doi.org/10.1038/s41559-016-0018> (2 pages)

Berkes, F. (2017). *Environmental Governance for the Anthropocene? Social-Ecological Systems, Resilience, and Collaborative Learning*.
<https://doi.org/10.3390/su9071232> (12 pages)

Brenner, N. (2013). Theses on urbanization. *Public Culture*, 25(1), 85–114.
<https://doi.org/10.1215/08992363-1890477> (30 pages)

Carson, R. (2014). The Obligation to Endure. In F. O. Ndubisi (Ed.), *The Ecological Design and Planning Reader* (pp. 122–130). Island Press/Center

for Resource Economics. https://doi.org/10.5822/978-1-61091-491-8_13 (8 pages)

Dwivedi, R. (2001). Environmental Movements in the Global South: Issues of Livelihood and Beyond. *International Sociology*, 16(1), 11–31. <https://doi.org/10.1177/0268580901016001003> (18 pages)

Elder-Vass, D. (2010). *The Causal Power of Social Structures – Emergence, Structure and Agency*. Cambridge University Press. “The problem of structure and agency” pp. 1-9 (9 pages)

Foley, J. A., Ramankutty, N., Brauman, K. A., Cassidy, E. S., Gerber, J. S., Johnston, M., Mueller, N. D., O’Connell, C., Ray, D. K., West, P. C., Balzer, C., Bennett, E. M., Carpenter, S. R., Hill, J., Monfreda, C., Polasky, S., Rockström, J., Sheehan, J., Siebert, S., ... Zaks, D. P. M. (2011). Solutions for a cultivated planet. *Nature*, 478(7369), 337–342. <https://doi.org/10.1038/nature10452> (6 pages)

Gabrielsson, S (2018). Towards sustainable menstrual health management in Tanzania. A LUCSUS Policy Brief. Lund University. https://www.lucsus.lu.se/sites/lucsus.lu.se/files/policy_brief_mhm_saragabrielsson.pdf (4 pages)

Haddad, N. M., Brudvig, L. A., Clobert, J., Davies, K. F., Gonzalez, A., Holt, R. D., Lovejoy, T. E., Sexton, J. O., Austin, M. P., Collins, C. D., Cook, W. M., Damschen, E. I., Ewers, R. M., Foster, B. L., Jenkins, C. N., King, A. J., Laurance, W. F., Levey, D. J., Margules, C. R., ... Townshend, J. R. (2015). Habitat fragmentation and its lasting impact on Earth’s ecosystems. *Science Advances*, 1(2), 1–10. <https://doi.org/10.1126/sciadv.1500052> (10 pages)

Hennegan, J., Shannon, A. K., Rubli, J., Schwab, K. J., & Melendez-Torres, G. J. (2019). Women’s and girls’ experiences of menstruation in low- and middle-income countries: A systematic review and qualitative metasynthesis. *PLoS Medicine*, 16(5), 1–40. <https://doi.org/ludwig.lub.lu.se/10.1371/journal.pmed.1002803> (33 pages)

IPCC (2018). Summary for Policymakers. *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, and efforts to eradicate poverty*. Available at: <https://www.ipcc.ch/sr15/chapter/summary-for-policy-makers/> (24 pages)

IPCC (2022). Summary for Policy Makers. In *Climate Change 2022: Working Group III contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* (p. 64). WMO. <https://www.ipcc.ch/report/sixth-assessment-report-working-group-3/>

Jerneck, A., Olsson, L., Ness, B., Anderberg, S., Baier, M., Clark, E., Hickler, T., Hornborg, A., Kronsell, A., Lövbrand, E., & Persson, J. (2011). Structuring sustainability science. *Sustainability Science*, 6(1), 69–82. <https://doi.org/10.1007/s11625-010-0117-x> (13 pages)

Kates, R., Clark, W., Corell, R., Hall, J., Jaeger, C., Lowe, I., . . . Svedin, U. (2001). Sustainability Science. *Science*, 292(5517), 641-642.

<http://www.jstor.org/stable/3083523> (2 pages)

Klein, N. (2014). This changes everything: capitalism vs. the climate (First Simon & Schuster hardcover edition). Introduction: One way or the other everything changes. Simon & Schuster. Available through Lund University Library or https://archive.org/stream/pdfy-Skb-ch_k7psDm90Q/Naomi%20Klein%20-%20This%20Changes%20Everything_djvu.txt. (27 pages)

Krause, T., & Tilker, A. (2022). How the loss of forest fauna undermines the achievement of the SDGs. *Ambio*, 51(1), 103–113.

<https://doi.org/10.1007/s13280-021-01547-5> (11 pages)

Matin, N., Forrester, J., & Ensor, J. (2018). What is equitable resilience? *World Development*, 109, 197–205.

<https://doi.org/10.1016/j.worlddev.2018.04.020> (42 pages)

O'Neill, D. W., Fanning, A. L., Lamb, W. F., & Steinberger, J. K. (2018). A good life for all within planetary boundaries. *Nature Sustainability*, 1(2), 88–95. <https://doi.org/10.1038/s41893-018-0021-4> (8 pages)

Oswald, Y., Steinberger, J. K., Ivanova, D. & Millward-Hopkins, J. Global redistribution of income and household energy footprints: A computational thought experiment. *Glob. Sustain.*4, 1–24 (2021).

<https://www.cambridge.org/core/journals/global-sustainability/article/global-redistribution-of-income-and-household-energy-footprints-a-computational-thought-experiment/34886E1B95AC092C9E0A86BE68C215A5>. (Introduction and Discussion, 3 pages)

Oreskes, N. and Conway, E. M. (2013). The Collapse of Western Civilization: A View from the Future. *Daedalus*, 142(1), 40-58.

<https://www.jstor.org/stable/43297300> (18 pages)

Pendril, F., Persson, U. M., Godar, J., & Kastner, T. (2019). Deforestation displaced: Trade in forest-risk commodities and the prospects for a global forest transition. *Environmental Research Letters*, 14(5).

<https://doi.org/10.1088/1748-9326/ab0d41> (14 pages)

Pidcock, R., & Yeo, S. (2017, May 9). Explainer: Dealing with the ‘loss and damage’ caused by climate change. Carbon

Brief. <https://www.carbonbrief.org/explainer-dealing-with-the-loss-and-damage-caused-by-climate-change> (4 pages)

Preston, B., Dow, K., & Berkhout, F. (2013). The Climate Adaptation Frontier. *Sustainability*, 5(3), 1011–1035.

<https://doi.org/10.3390/su5031011> (16 pages)

Raworth, K. (2012). A safe and Just Space for Humanity. Can we live within the doughnut? (Oxford Discussion Papers). https://www-cdn.oxfam.org/s3fs-public/file_attachments/dp-a-safe-and-just-space-for-humanity-130212-en_5.pdf (26 pages)

Revi, A., Satterthwaite, D.E., ... and Solecki, W. (2014) Urban areas. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (78 pages)

Rockström, J., Steffen, W., K. Noone, Å. Persson, Chapin, F. S., E. F. Lambin, T. M. Lenton, M. Scheffer, C. Folke, H. J. Schellnhuber, B. Nykvist, C. A. de Wit, T. Hughes, S. van der Leeuw, H. Rodhe, S. Sörlin, P. K. Snyder, R. Costanza, U. Svedin, ... J. A. Foley. (2009). A safe operation space for humanity. *Nature*, 461(September), 472–475 (3 pages)

Ritchie, H., & Roser, M. (2020). CO₂ and Greenhouse Gas Emissions. Our World in Data. <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions> (25 pages)

Schlosberg, D. (2013). Theorising environmental justice: the expanding sphere of a discourse, *Environmental Politics*, 22:1, 37-55, DOI: 10.1080/09644016.2013.755387 (19 pages)

Sen, A. (2013). The Ends and Means of Sustainability. *Journal of Human Development and Capabilities*, 14(1), 6–20. <https://doi.org/10.1080/19452829.2012.747492> (13 pages)

Simpson, N. P., Mach, K. J., Constable, A., Hess, J., Hogarth, R., Howden, M., Lawrence, J., Lempert, R. J., Muccione, V., Mackey, B., New, M. G., O'Neill, B., Otto, F., Pörtner, H. O., Reisinger, A., Roberts, D., Schmidt, D. N., Seneviratne, S., Strongin, S., ... Trisos, C. H. (2021). A framework for complex climate change risk assessment. *One Earth*, 4(4), 489–501. <https://doi.org/10.1016/j.oneear.2021.03.005> (13 pages)

Solow, R.M., (1991) Sustainability: an economist's perspective. The eighteenth J. Seward Johnson lecture. Woods Hole Oceanographic Institution: Woods Hole, MA, USA.: <http://www.owl.net.rice.edu/~econ480/notes/sustainability.pdf> (5 pages)

Sovacool, B. K., Lipson, M. M., & Chard, R. (2019). Temporality, vulnerability, and energy justice in household low carbon innovations. *Energy Policy*, 128(January), 495–504. <https://doi.org/10.1016/j.enpol.2019.01.010> (10 pages)

Thomalla, F., Boyland, M., Johnson, K., Ensor, J., Tuhkanen, H., Gerger Swartling, Å., Han, G., Forrester, J., & Wahl, D. (2018). Transforming Development and Disaster Risk. *Sustainability*, 10(5). <https://doi.org/10.3390/su10051458> (12 pages)

Tomich, T.P. et al. (2011). Agroecology: a review from a global-change perspective. *Annual Review of Environment and Resources*, 36, pp.193-222 (22 pages)

UNFCCC Paris Agreement 2015: <https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement> (2 pages)

van der Geest, K., & Schindler, M. (2016). Brief communication: Loss and damage from a catastrophic landslide in Nepal. *Natural Hazards and Earth*

System Sciences, 16(11), 2347–2350. <https://doi.org/10.5194/nhess-16-2347-2016> (4 pages)

Willett, W., et al., 2019. Food in the Anthropocene: The EAT–Lancet Commission on Healthy Diets from Sustainable Food Systems. *The Lancet* 393, no. 10170: 447–92. [https://doi.org/10.1016/S0140-6736\(18\)31788-4](https://doi.org/10.1016/S0140-6736(18)31788-4). (45 pages)

Yenneti, K., Day, R., & Golubchikov, O. (2016). Spatial justice and the land politics of renewables: Dispossessing vulnerable communities through solar energy mega-projects. *Geoforum*, 76, 90–99. <https://doi.org/10.1016/j.geoforum.2016.09.004> (24 pages)

Total number of pages

423 pages – academic peer-reviewed articles

99 pages – online non-academic articles

90 pages – reports (e.g. IPCC)

119 pages – books

Additional readings:

Tschakert, P., Ellis, N. R., Anderson, C., Kelly, A., & Obeng, J. (2019). One thousand ways to experience loss: A systematic analysis of climate-related intangible harm from around the world. *Global Environmental Change*, 55, 58–72. <https://doi.org/10.1016/j.gloenvcha.2018.11.006>

Other additional readings will be suggested by guest lecturers.

Rationale for not reaching the recommended amount: guest lecturers will provide additional readings, some of the readings (peer-reviewed articles) are heavier in content, and the course includes assignments that will require the students to include further literature.

Author gender balance

41% female first-authorship (out of total number of publications) - with publications with no main authors identified (e.g. IPCC Report and Paris Agreement). Female first author in **bold and underlined**.