



**Literature for SASI03, Environmental Studies and
Sustainability Science: Concepts, Challenges and Approaches
in Sustainability Studies applies from autumn semester 2021**

Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2021-06-10 to apply from 2021-08-30

See appendix.



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Sustainability Studies

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 credit*

SASI03 litteraturlista fastställd av LUCSUS styrelse den 10 juni 2021.

Course literature

1. **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)
2. Berkes, F. (2017). Environmental Governance for the Anthropocene? Social-Ecological Systems, Resilience, and Collaborative Learning. *Sustainability*, 9(7), 1232.
<https://doi.org/10.3390/su9071232> (12 Pages)
3. **Biggs, R.**, Schlüter, M., Biggs, D., Bohensky, E. L., BurnSilver, S., Cundill, G., Dakos, V., Daw, T. M., Evans, L. S., Kotschy, K., Leitch, A. M., Meek, C., Quinlan, A., Raudsepp-Hearne, C., Robards, M. D., Schoon, M. L., Schultz, L., & West, P. C. (2012). Toward Principles for Enhancing the Resilience of Ecosystem Services. *Annual Review of Environment and Resources*, 37(1), 421–448. <https://doi.org/10.1146/annurev-environ-051211-123836> (27 Pages)
4. **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)
5. 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)

6. Elder-Vass, D. (2010). *The Causal Power of Social Structures: Emergence, Structure and Agency*. Cambridge: Cambridge University Press. "The problem of structure and agency" pp. 1-9. doi:10.1017/CBO9780511761720.001 (9 Pages)
7. 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)
8. **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)
9. Grant, A. (2018). Every Community Needs a Forest of Imagination. In T. Elmqvist, X. Bai, N. Frantzeskaki, C. Griffith, D. Maddox, T. McPhearson, et al. (Eds.), *Urban Planet: Knowledge towards Sustainable Cities* (pp. 362-364). Cambridge: Cambridge University Press. doi:10.1017/9781316647554.022 (3 pages)
10. 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), e1500052. <https://doi.org/10.1126/sciadv.1500052> (10 Pages)
11. **Haase, D.**, Güneralp, B., Dahiya, B., Bai, X., & Elmqvist, T. (2018). Global Urbanization: Perspectives and Trends. In T. Elmqvist, X. Bai, N. Frantzeskaki, C. Griffith, D. Maddox, T. McPhearson, et al. (Eds.), *Urban Planet: Knowledge towards Sustainable Cities* (pp. 19-44). Cambridge: Cambridge University Press. doi:10.1017/9781316647554.003 (26 pages)
12. **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)
13. 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)
14. **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)
 15. Karlsson, J. O., Carlsson, G., Lindberg, M., Sjunnestrand, T., & Rööös, E. (2018). Designing a future food vision for the Nordics through a participatory modeling approach. *Agronomy for Sustainable Development*, 38(6), 59. <https://doi.org/10.1007/s13593-018-0528-0> (10 Pages)
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 17. **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)
 18. Lang, D. J., Wiek, A., Bergmann, M., Stauffacher, M., Martens, P., Moll, P., Swilling, M., & Thomas, C. J. (2012). Transdisciplinary research in sustainability science: Practice, principles, and challenges. *Sustainability Science*, 7(1), 25–43. <https://doi.org/10.1007/s11625-011-0149-x> (18 pages)
 19. **Li, T. M.** (2010). Indigeneity, capitalism, and the management of dispossession. *Current Anthropology*, 51(3), 385–414. (30 Pages)
 20. **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> (7 pages)
 21. Martinez-Alier J. & Anguelovski I. & Bond P. & Del Bene D. & Demaria F. & Gerber J. & Greyl L. & Haas W. & Healy H. & Marín-Burgos V. & Ojo G. & Porto M. & Rijnhout L. & Rodríguez-Labajos B. & Spangenberg J. & Temper L. & Warlenius R. & Yáñez I., (2014) “Between activism and science: grassroots concepts for sustainability coined by Environmental Justice Organizations”, *Journal of Political Ecology* 21(1). p.19-60. doi: <https://doi.org/10.2458/v21i1.21124> (42 Pages)
 22. **Masterson, V. A.**, Stedman, R. C., Enqvist, J., Teng, M., Giusti, M., Wahl, D., & Svedin, U. (2017). The contribution of sense of place to social-ecological systems research: A review and research agenda. *Ecology and Society*, 22(1). <https://doi.org/10.5751/ES-08872-220149> (14 Pages)

23. 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)
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25. **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)
26. Preston, B., Dow, K., & Berkhout, F. (2013). The Climate Adaptation Frontier. *Sustainability*, 5(3), 1011–1035. <https://doi.org/10.3390/su5031011> (16 pages)
27. **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)
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29. Rockström, J., Steffen, W., Noone, K., Persson, Å., Chapin, F. S., Lambin, E. F., Lenton, T. M., Scheffer, M., Folke, C., Schellnhuber, H. J., Nykvist, B., de Wit, C. A., Hughes, T., van der Leeuw, S., Rodhe, H., Sörlin, S., Snyder, P. K., Costanza, R., Svedin, U., ... Foley, J. A. (2009). A safe operating space for humanity. *Nature*, 461(7263), 472–475. <https://doi.org/10.1038/461472a> (3 pages)
30. **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)
31. Roser, M., & Ritchie, H. (2019). Hunger and Undernourishment. *Our World in Data*. <https://ourworldindata.org/hunger-and-undernourishment> (15 pages)
32. 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)
33. 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)
34. 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)
35. **Taubert, F.**, Fischer, R., Groeneveld, J., Lehmann, S., Müller, M. S., Rödiger, E., Wiegand, T., & Huth, A. (2018). Global patterns of tropical forest fragmentation. *Nature*, 554(7693), 519–522.
<https://doi.org/10.1038/nature25508> (4 Pages)
 36. 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)
 37. UNFCCC Paris Agreement 2015 <https://unfccc.int/process-and-meetings/the-paris-agreement/what-is-the-paris-agreement> (2 Pages)
 38. 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)
 39. Watson, J. E. M., Evans, T., Venter, O., Williams, B., Tulloch, A., Stewart, C., Thompson, I., Ray, J. C., Murray, K., Salazar, A., McAlpine, C., Potapov, P., Walston, J., Robinson, J. G., Painter, M., Wilkie, D., Filardi, C., Laurance, W. F., Houghton, R. A., ... Lindenmayer, D. (2018). The exceptional value of intact forest ecosystems. *Nature Ecology & Evolution*, 2(4), 599–610.
<https://doi.org/10.1038/s41559-018-0490-x> (12 Pages)
 40. Watts, N., Amann, M., Ayeb-Karlsson, S., Belesova, K., Bouley, T., Boykoff, M., ... & Costello, A. (2018). The Lancet Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. *The Lancet*, 391(10120), 581-630.
[https://doi.org/10.1016/S0140-6736\(17\)32464-9](https://doi.org/10.1016/S0140-6736(17)32464-9). (50 Pages)
 41. Willett, W., Rockström, J., Loken, B., Springmann, M., Lang, T., Vermeulen, S., ... & Murray, C. J. (2019). Food in the Anthropocene: the EAT–Lancet Commission on healthy diets from sustainable food systems. *The Lancet*, 393(10170), 447-492.
[https://doi.org/10.1016/S0140-6736\(18\)31788-4](https://doi.org/10.1016/S0140-6736(18)31788-4). (45 Pages)

Required reading

Total number of pages: 639.

468 pages – academic peer-reviewed articles

48 pages – online non-academic articles

50 pages – reports (e.g. IPCC)

73 pages – books

Additional readings to 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

42% female first-authorship (out of total number of publications) - with 2 publications with no main authors identified (e.g. UN Report and Paris Agreement). Female first author in **bold and underlined**.