



Literature for MESS18, Sustainability Science applies from the autumn semester 2024

**Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2024-05-31 to apply from 2024-05-31**

See appendix.



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MESS18 LITERATURE LIST

2024-05-31

Dnr STYR 2024/1440

Hållbarhetsvetenskap, 7,5 högskolepoäng

Sustainability Science, 7.5 credits

MESS18 litteraturlista fastställd av LUCSUS styrelse den 31 maj 2024.

Course literature

Biggs, R., Clements, H., de Vos, A., Folke, C., Manyani, A., Maciejewski, K., Martín-López, B., Preiser, R., Selomane, O. & Schlüter M. (2021). What are social-ecological systems and social-ecological systems research? *The Routledge Handbook of Research Methods for Social-Ecological Systems*. (3-26). Routledge. (24)

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Caniglia, G., Freeth, R., Luederitz, C., J. Leventon, West, S.P., John, B., D. Peukert, Lang, D.J., von Wehrden, H., Martín-López, B., Fazey, I., Russo, F., von Wirth, T., Schlüter M., & Vogel, C. (2023). Practical wisdom and virtue ethics for knowledge co-production in sustainability science. *Nat Sustain*. <https://doi.org/10.1038/s41893-022-01040-1> (9)

Caniglia, G., & Vogel, C. (2023). On being oriented: Strengthening transgressive orientations in transdisciplinary sustainability research through queer theory. *GAI*A. 167-171. (5)

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Cash, D.W., Adger, W.F., Berkes, F., Garden, P., Lebel, L., Olsson, P., Pritchard, L. & Young, O. (2006). Scale and cross-scale dynamics: governance and information in a multilevel world. *Ecology and Society*, 11(2), 8. <http://www.ecologyandsociety.org/vol11/iss2/art8/> (8)

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- Garmestani, A., Allen, C.R., Angeler, D.G., Gunderson, L. Ruhl, J.B. (2023). Multiscale adaptive management of social–ecological systems. *BioScience*, 73, 11, November 2023, 800–807, <https://doi.org/10.1093/biosci/biad096> (8)
- Geels, F.W. (2019). Socio-technical transitions to sustainability: a review of criticisms and elaborations of the Multi-Level Perspective. *Current Opinion in Environmental Sustainability*, 39, 187–201. <https://doi.org/10.1016/j.cosust.2019.06.009> (14)
- Gibson, C.C., Ostrom, E. & Ahn, T.K. (2000). The concept of scale and the human dimensions of global change: a survey. *Ecological Economics*, 32, 217–239. [https://doi.org/10.1016/S0921-8009\(99\)00092-0](https://doi.org/10.1016/S0921-8009(99)00092-0) (22)
- Jerneck, A., Olsson, L., Ness, B., Anderberg, S., Baier, M., Clark, E., Hickler, T, Hornborg, A., Kronsell, A., Eva Lövbrand, E. & Persson, J. (2011). Structuring sustainability science. *Sustainability Science*, 6, 69-82. <https://doi.org/10.1007/s11625-010-0117-x> (13)
- Kates, R.W., Clark, W.C., Corell, R., Hall, J.M., Jaeger C.C., Lowe, I., McCarthy, J., Schellnhuber, H.J., Bolin, B., Dickson, N.M., *et al.* (2001). Sustainability Science. *Science*, 292(5517), 641-2. <https://www.jstor.org/stable/3083523> (2)
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- Lonkila, A. & Minna Kaljonen, M. (2022). Ontological struggle over new product category: Transition potential of meat alternatives, *Environmental Innovation and Societal Transitions*, 42, 1-11. <https://doi.org/10.1016/j.eist.2021.11.002> (11)
- Loorbach, D., Frantzeskaki, N., & Avelino, F. (2017). Sustainability transitions research: transforming science and practice for societal change. *Annu. Rev. Environ. Resour.* 42(1), 599–626. <https://doi.org/10.1146/annurev-environ-102014-021340> (27)
- Mahmoud, M., Liu, Y., Hartmann, H., Stewart, S., *et al.* (2009). A formal framework for scenario development in support of environmental decision-making. *Environmental Modelling & Software* 24(7), 798–808. <https://doi.org/10.1016/j.envsoft.2008.11.010> (11)
- Meadows, D. (2008). *Thinking in Systems: A Primer*, Chelsea Green. (218)

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Partelow, S., Glaser, M., Solano Arce, S., Sá Leitão Barboza, R., & Schlüter, A. (2018). Mangroves, fishers, and the struggle for adaptive comanagement: applying the social-ecological systems framework to a marine extractive reserve (RESEX) in Brazil. *Ecology and Society*, 23(3).

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Raudsepp-Hearne, C., Peterson, G.D., Bennett, E.M. *et al.* (2020). Seeds of good anthropocenes: developing sustainability scenarios for Northern Europe. *Sustainability Science*, 15, 605–617.

<https://doi.org/10.1007/s11625-019-00714-8> (12)

Spangenberg, J. H. (2011). Sustainability science: a review, an analysis and some empirical lessons. *Environmental Conservation*, 38(3), 275–287.

<https://doi.org/10.1017/S0376892911000270> (12)

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Törnberg, A. (2021). Prefigurative politics and social change: a typology drawing on transition studies. *Journal of Social Theory*, 22(1), 83-107.

<https://doi.org/10.1080/1600910X.2020.1856161> (24)

Wiek, A. & Iwaniec, D. (2014). Quality criteria for visions and visioning in sustainability science. *Sustainability Science*, 9, 497–512.

<https://doi.org/10.1007/s11625-013-0208-6> (15)

Total number of pages (required reading)

497

Author gender balance

The authors I guess as self-identifying as female are denoted in blue.