# Hållbarhetsvetenskap, 10 högskolepoäng

MESS33 LITERATURE LIST

## Sustainability Science, 10 credits

MESS33 litteraturlista fastställd av LUCSUS styrelse den 20 maj 2021.

## Course literature

1. Bergmann, M., Schäpke, N., Marg, O. et al. Transdisciplinary sustainability research in real-world labs: success factors and methods for change. Sustain Sci 2021. 16, 541–564. <https://doi.org/10.1007/s11625-020-00886-8>
2. Burkhard B. & Müller F. *Encyclopedia of Ecology Ecological Indicators: Driver–Pressure–State–Impact–Response.* Elservier. 2008. 2: 967-970. (ask *Barry to post pdf*).
3. Cash, D. W., W. Adger, F. Berkes, P. Garden, L. Lebel, P. Olsson, L. Pritchard, and O. Young. *Scale and cross-scale dynamics: governance and information in a multilevel world.* Ecology and Society2006. 11(2): 8. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art8/>
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5. Clark, W.C. and Dickson, N. M. *Sustainability Science: the emerging research program.*PNAS, 2003. 100(14): 8059-8061.
6. Frantzeskaki, N. and Loorbach D. *Governing societal transitions to sustainability.* Int. J. Sustainable Development, 2012. 151/2:19-36.
7. Funtowicz, S.O. and Ravetz, J.R. *Science for the Post-Normal Age.* Futures. Sept. 1993. 739-755.
8. Geels, F. (2011) *The multi-level perspective on sustainability transitions: responses to seven criticisms*. Journal of Environmental Innovation & Societal Transitions, 1 (1):24-40. ISSN 2210-4224
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10. Jerneck, A., Olsson, L., Ness, B., Anderberg, S., Baier, M., Clark, E. et al. *Structuring sustainability science.* Sustainability Science. 2011. 6:69-82.
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12. Köhler, J., Geels, F. W., Kern, F., Markard, J., Onsongod, E., Wieczorek, A., Floortje Alkemade, Avelino, F., et al. *Viewpoint: An agenda for sustainability transitions research: State of the art and future directions.* Environmental Innovation and Societal Transitions 2019. 31: 1–32.
13. Lang, D. J. et al. *Transdisciplinary research in sustainability science: practice, principles and challenges.* Sustainability Science. 2012. 7(Suppl. 1): 25-43.
14. Mahmoud, M. et al. *A formal framework for scenario development in support of environmental decision-making*. Environmental Modelling & Software 2009. 24: 798–808.
15. Meadows, D. *Thinking in Systems: A Primer (Intro chapter).* 2008. White River Junction, Chelsea Green (selected parts only; pdf will be made available).
16. Miller, T. R. *Constructing sustainability science: emerging perspectives and research trajectories.* Sustainability Science. 2013. 8:279-293.
17. Nevens, F., Gorissen, L., Frantzeskaki, N., and Derk Loorbach, D. *Urban Transition Labs: co-creating transformative action for sustainable cities*. Journal of Cleaner Production 2013. 50:111-122.
18. Ostrom, E, *A General Framework for Analyzing Sustainability of Social-Ecological* *Systems.* Science, 2009. 325(24 July): p. 419-422.
19. 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):19. <https://doi.org/10.5751/ES-10269-230319>
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21. Rokaya, P., Sheikholeslami, R., Kurkute, S., Nazarbakhsh, M., Zhang, F. & Reed, M. E. *Multiple factors that shaped sustainability science journal: 1 10-year review*. Sustainability Science. 2017. 1-14. <https://doi.org/10.1007/s11625-017-0495-4>
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24. Spanò, M., Gentile, F., Davies, C., Lafortezza, R. (2017) The DPSIR framework in support of green infrastructure planning: A case study in Southern Italy, Land Use Policy, 61:242-250
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26. Wiek, A., Ness, B., Brand, F. S., Schweizer-Ries, P., & Farioli, F. *From complex systems analysis to transformational change: a comparative appraisal of sustainability science projects.* Sustainability Science. 2012. 7(1):5–24.

## Required reading

Total number of pages: missing

## Author gender balance

Missing