



**Literature for MESS25, Environmental Studies and  
Sustainability Science: Methods and Tools - from Knowledge  
to Action applies from spring semester 2023**

Literature established by The Board of the Lund University Centre for  
Sustainability Studies on 2022-12-15 to apply from 2023-01-16

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See appendix.



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MESS25 LITERATURE LIST

2022-12-15

Dnr STYR 2022/2763

## Miljö- och hållbarhetsvetenskap: Metoder och verktyg – från kunskap till handling, 7,5 högskolepoäng

*Environmental Studies and Sustainability Science: Methods and Tools –  
from Knowledge to Action, 7.5 credits*

MESS25 litteraturlista fastställd av LUCSUS styrelse den 15 december  
2022.

Bergmann, M., N. Schöpke, N., O. Marg, F.O., Stelzer, D.J.F., Lang, M.D.  
J., Bossert, M., Gantert, E.M., Häußler, E., et al. (2021). Transdisciplinary  
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Buhl, A., Schmidt-Keilich, M., Muster, V., Blazejewski, S., Schrader, U.,  
Harrach, C., Schäfer, M., & Süßbauer, E. (2019). Design thinking for  
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1248–1257. <https://doi.org/10.1016/j.jclepro.2019.05.259> (10 pages)

Caniglia, G., Luederitz, C., von Wirth, T., Fazey, I., Martín-López, B.,  
Hondrila, K., König, A., von Wehrden, H., Schöpke, N. A., Laubichler, M.  
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Caniglia, G., Schöpke, N., Lang, D. J., Abson, D. J., Luederitz, C., Wiek,  
A., Laubichler, M. D., Gralla, F., & von Wehrden, H. (2017). Experiments  
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D-school (2010). An Introduction to Design Thinking: Process Guide. Stanford University.

<http://web.stanford.edu/~mshanks/MichaelShanks/files/509554.pdf> (6 pages)

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<https://www.taylorfrancis.com/chapters/oa-edit/10.4324/9781003021339-10/participatory-data-collection-alta-de-vos-rika-preiser-vanessa-masterson?context=ubx&refId=25ca3e2b-e5e9-4382-89f6-12f42d52f437> (16 pages)

Fazey, I., Schöpke, N., Caniglia, G., Patterson, J., Hultman, J., van Mierlo, B., Säwe, F., Wiek, A., Wittmayer, J., Aldunce, P., Al Waer, H., Battacharya, N., Bradbury, H., Carmen, E., Colvin, J., Cvitanovic, C., D'Souza, M., Gopel, M. et al. (2018). Ten essentials for action-oriented and second order energy transitions, transformations and climate change research. *Energy Research & Social Science*, 40, 54–70.

<https://doi.org/10.1016/j.erss.2017.11.026> (17 pages)

Gardiner, P. (2020). Learning to Think Together: Creativity, Interdisciplinary Collaboration and Epistemic Control. *Thinking Skills and Creativity* 38, 100749. <https://doi.org/10.1016/j.tsc.2020.100749> (10 pages)

Greenaway, A., Hohaia, H., Le Heron, E. et al. 2022. Methodological sensitivities for co-producing knowledge through enduring trustful partnerships. *Sustainability Science* 17, 433–447.

<https://doi.org/10.1007/s11625-021-01058-y> (15 pages)

Haider, L.J., Hentati-Sundberg, J., Giusti, M. Goodness, J. et al. (2018). The undisciplinary journey: early-career perspectives in sustainability science. *Sustainability Science* 13, 191–204. <https://doi.org/10.1007/s11625-017-0445-1> (13 pages)

Harris, F., & Lyon, F. (2013). Transdisciplinary environmental research: Building trust across professional cultures. *Environmental Science & Policy*, 31, 109–119. <https://doi.org/10.1016/j.envsci.2013.02.006> (11 pages)

Hoolohan, C., & Browne, A. L. (2020). Design thinking for practice-based intervention: Co-producing the change points toolkit to unlock (un)sustainable practices. *Design Studies*, 67, 102–132.

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Horcea-Milcu, A.-I., Abson, D. J., Apetrei, C. I., Duse, I. A., Freeth, R., Riechers, M., Lam, D. P. M., Dorninger, C., & Lang, D. J. (2019). Values in transformational sustainability science: four perspectives for change. *Sustainability Science*, 14(5), 1425–1437. <https://doi.org/10.1007/s11625-019-00656-1> (13 pages)

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- Lam, D. P. M., Martín-López, B., Wiek, A., Bennett, E. M., Frantzeskaki, N., Horcea-Milcu, A. I., & Lang, D. J. (2020). Scaling the impact of sustainability initiatives: a typology of amplification processes. *Urban Transformations*, 2(1). <https://doi.org/10.1186/s42854-020-00007-9> (24 pages)
- Mahajan, S. L., Glew, L., Ryan, M. et al. (2022). *The Craft of Systems Change: Practical tools for a complex world*. 1st ed. World Wildlife Fund. <https://www.worldwildlife.org/projects/the-art-and-craft-of-systems-change> (244 pages)
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- Masterson, V. A., Stedman, R. C., Enqvist, J., Tengö, 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)
- Montana, J. (2019). Co-production in action: perceiving power in the organisational dimensions of a global biodiversity expert process. *Sustainability Science*, 14(6), 1581–1591. <https://doi.org/10.1007/s11625-019-00669-w> (11 pages)
- Ness, B., Wahl, D. (2022). Getting personal with collaborative sustainability experimentation: Reflections and recommendations from a transdisciplinary partnership with the Swedish craft beer sector. *Ambio*. <https://doi.org/10.1007/s13280-022-01751-x> (13 pages)
- Norström, A. V., Cvitanovic, C., Löf, M. F., West, S., Wyborn, C., Balvanera, P., Bednarek, A. T., Bennett, E. M., Biggs, R. et al. (2020). Principles for knowledge co-production in sustainability research. *Nature Sustainability*, 3(3), 182–190. <https://doi.org/10.1038/s41893-019-0448-2> (19 pages)
- O'Brien, K. (2018). Is the 1.5°C target possible? Exploring the three spheres of transformation. *Current Opinion in Environmental Sustainability*, 31, 153-160. <https://doi.org/10.1016/j.cosust.2018.04.010> (8 pages)
- Phills, J. Jr., Deiglmeier, K. & Miller, D. T. (2008). Rediscovering Social Innovation. *Stanford Social Innovation Review*, 6(4), 34-43 [https://ssir.org/articles/entry/rediscovering\\_social\\_innovation#](https://ssir.org/articles/entry/rediscovering_social_innovation#) (10 pages)
- Trott, C. D., Even, T. L., & Frame, S. M. (2020). Merging the arts and sciences for collaborative sustainability action: a methodological

framework. *Sustainability Science*, 15(4), 1067–1085.  
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Wang, J., Aenis, T., & Siew, T. F. (2019). Communication processes in intercultural transdisciplinary research: framework from a group perspective. *Sustainability Science*, 14(6), 1673–1684.  
<https://doi.org/10.1007/s11625-019-00661-4> (12 pages)

Wittmayer, J. M., & Schöpke, N. (2014). Action, research and participation: roles of researchers in sustainability transitions. *Sustainability Science*, 9(4), 483–496. <https://doi.org/10.1007/s11625-014-0258-4> (14 pages)

West, S., van Kerkhoff, L., & Wagenaar, H. (2019). Beyond “linking knowledge and action”: towards a practice-based approach to transdisciplinary sustainability interventions. *Policy Studies*, 40(5), 534–555. <https://doi.org/10.1080/01442872.2019.1618810> (12 pages)

*Total number of pages*

851

*Author gender balance*

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