



**Literature for MESS54, Environmental Studies and  
Sustainability Science: Resilience and Sustainable  
Development applies from autumn semester 2019**

Literature established by The Board of the Lund University Centre for  
Sustainability Studies on 2019-06-13 to apply from 2019-09-02

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See appendix.

## **Miljö- och hållbarhetsvetenskap: Resiliens och hållbar utveckling, 7,5 högskolepoäng**

*Environmental Studies and Sustainability Science: Resilience and Sustainable Development,  
7.5 credits*

MESS54 litteraturlista fastställd av LUCSUS styrelse den 13 juni 2019 (dnr STYR 2019/1087).

### **Course literature**

#### *Required reading*

Approximately 1300 pages of required reading.

#### *Author gender balance*

Ratio of female leader authors to male lead authors: of 32 references 15 have female lead authors

#### *Journal articles*

1. Adger, W.N., 2000. Social and ecological resilience are they related? *Progress in Human Geography* 24:347.
2. Alexander, D.E., 2013. Resilience and disaster risk reduction: an etymological journey. *Natural Hazards and Earth System Sciences*, 13(11), pp.2707-2716. (14 pp.)
3. Berkes, F & Folke, C (Eds). 1998. Linking social and ecological systems: management practices and social mechanisms for building resilience, Cambridge, Cambridge University Press. (*Chapter 1 and 16*) ISBN: 0521785626 (20 pp.)
4. Berkes, F, Colding J., Folke, C., (Eds). 2003. *Navigating Social- Ecological Systems: Building Resilience for Complexity and Change*. Cambridge University Press. ISBN: 052181592 (280 pp)
5. Biggs, R., Schlüter, M., Biggs, D., Bohensky, E. L., Burnsilver, S., Cundill, G., ... West, P.C., 2012. Toward principles for enhancing the resilience of ecosystem services. *Annual Review of Environment and Resources*, 37, 421-448. DOI: 10.1146/annurev-environ-051211-123836 (21 pp.)
6. Bousquet, F., A. Botta, L. Alinovi, O. Barreteau, D. Bossio, K. Brown, P. Caron, P. Cury, M. D'Errico, F. DeClerck, H. Dessard, E. Enfors Kautsky, C. Fabricius, C. Folke, L. Fortmann, B. Hubert, D. Magda, R. Mathevet, R. B. Norgaard, A. Quinlan, and C. Staver. 2016. Resilience and development: mobilizing for transformation. *Ecology and Society* 21(3):40. <https://doi.org/10.5751/ES-08754-210340> (15pp.)
7. Boyd, E., et al., 2015. Anticipatory Governance for SES Resilience. *Ambio* 44 (S149-S161) (12pp.)
8. Boyd, E., 2008. Navigating Amazonia under uncertainty: past, present and future environmental governance, 363, *Philosophical Transactions of the Royal Society B: Biological Sciences*. (6pp.)
9. Béné 2013. Towards a Quantifiable Measure of Resilience. London: IDS.
10. Boyd, E., Osbahr, H., Ericksen, P. et al., 2008. Resilience and 'Climatizing' Development: Examples and policy implications. *Development* 51: 390. doi:10.1057/dev.2008.32
11. Boyd, E. and C. Folke (Eds). 2012. *Adapting Institutions: Governance, Complexity and Social Ecological Resilience*. Cambridge: Cambridge University Press. (*Chapter 1 and 12*) ISBN 9780521897501

12. Brown, K., 2014. Global environmental change I: A social turn for resilience? *Progress in Human Geography*, 38(1), pp.107-117. (10pp.)
13. Brown, K., and Westaway, E., 2011. "Agency, Capacity, and Resilience to Environmental Change: Lessons from Human Development, Well-Being, and Disasters." *Annual Review of Environment and Resources* 36 (1): 321–42. doi:10.1146/annurev-environ-052610-092905. (21pp.)
14. Brown, K., 2016. Resilience, development and global change. Routledge. (*Chapter 1-4*) ISBN: 9780415663472
15. Cote, M., Nightingale., A.J., 2011. Resilience thinking meets social theory. *Progress in Human Geography*. 36 (4), pp. 475–489. (14pp.)
16. Cretney, R., 2014. Resilience for Whom? Emerging Critical Geographies of Socioecological Resilience. *Geography Compass*, 8: 627–640. doi: 10.1111/gec3.12154. (13pp.)
17. Davoudi, S., 2012. Resilience: A bridging concept or a dead end? *Planning Theory and Practice* 13(2): 299–307. (8pp.)
18. Folke, C., 2016. Resilience (Republished). *Ecology and Society*, 21(4).
19. Folke, C., Carpenter, S., Elmqvist, T., Gunderson, L., Holling C.S. & Walker, B., 2002. Resilience and Sustainable Development: Building Adaptive Capacity in a World of Transformations, *AMBIO: A Journal of the Human Environment*, 31:5, 437.
20. Folke, C., Biggs, R., Norström, A., Reyers, B., & Rockström, J. 2016. Social-ecological resilience and biosphere-based sustainability science. *Ecology and Society*, 21(3).
21. Hahn, T., and Nykvist, B., 2017. Are adaptations self-organized, autonomous, and harmonious? Assessing the social–ecological resilience literature. *Ecology and Society* 22(1):12. <https://doi.org/10.5751/ES-09026-220112>
22. Hornborg, A., 2013. Revelations of resilience: From the ideological disarmament of disaster to the revolutionary implications of (p)anarchy. *Resilience*, 1(2), pp.116-129. (13pp.)
23. Lade, S. J., Haider, J.L., Engström, G., Schluter, M., 2017. Resilience offers escape from trapped thinking on poverty alleviation. *Science Advances*, 3(5), DOI:10.1126/sciadv.1603043
24. O'Brien, K. and Sygna, L. (2013) Responding to climate change: The three spheres of transformation. *Proceedings of Transformation in a Changing Climate*, 19-21 June 2013, Oslo, Norway. University of Oslo (pp.16-23). ISBN 978-82-570-2000-2.
25. Olsson, L., Jerneck, A., Thoren, H., Persson, J. and O'Byrne, D., 2015. Why resilience is unappealing to social science: Theoretical and empirical investigations of the scientific use of resilience. *Science Advances*, 1(4), p.e1400217.
26. Olsson, P., C. Folke, V. Galaz, T. Hahn, and L. Schultz. 2007. Enhancing the fit through adaptive co-management: creating and maintaining bridging functions for matching scales in the Kristianstads Vattenrike Biosphere Reserve Sweden. *Ecology and Society* 12(1): 28. [online] URL: <http://www.ecologyandsociety.org/vol12/iss1/art28/>
27. Matin, N., Forrester, J., & Ensor, J. (2018). What is equitable resilience?. *World development*, 109, 197–205. doi:10.1016/j.worlddev.2018.04.020
28. Messier et al. 2015. From Management to Stewardship: Viewing Forests as Complex Adaptive Systems in an Uncertain World. *Conservation Letters* 8(5) 368-377. doi: 10.1111/conl.12156 (9pp.)
29. Miller, F., Osbahr, H., Boyd, E., Thomalla, F., Bharwani, S., Ziervogel, G., Walker, B., Birkmann, J., Van der Leeuw, S., Rockström, J., Hinkel, J., Downing, T., Folke, C., and Nelson, D. 2010. Resilience and vulnerability: complementary or conflicting concepts? *Ecology and Society* 15(3): [online] URL: <http://www.ecologyandsociety.org/vol15/iss3/artZZ/>

30. Polasky, S., et al. 2011. Decision-Making under Great Uncertainty: Environmental Management in an Era of Global Change. *Trends in Ecology and Evolution* doi:10.1016/j.tree.2011.04.007.
31. Reichel-Dolmatoff 1976. Cosmology as Ecological Analysis: A View from the Rain Forest. *Man*, Vol. 11, No. 3, pp.307-318. (11pp.)
32. Schipper, E. L. F. and Langston, L. (2015) A comparative overview of resilience measurement frameworks -analysing indicators and approaches , Working Paper 422, Overseas Development Institute.
33. Sellberg, M. M., S. T. Borgström, A. V. Norström, and G. D. Peterson. 2017. Improving participatory resilience assessment by crossfertilizing the Resilience Alliance and Transition Movement approaches. *Ecology and Society* 22(1):28. <https://doi.org/10.5751/ES-09051-220128>
34. Selberg, M. et al. (2018) From resilience thinking to Resilience Planning: Lessons from practice. *Journal of Environmental Management*, 217: 906-918. (12pp.)
35. Sturle Hauge Simonsen, Reinette (Oonsie) Biggs, Maja Schlüter, Michael Schoon, Erin Bohensky, Georgina Cundill, Vasilis Dakos, Tim Daw, Karen Kotschy, Anne Leitch, Allyson Quinlan, Garry Peterson, Fredrik Moberg. (N.D) Applying resilience thinking. Seven Principles for Building Resilience in Social-Ecological Systems. Stockholm Resilience Centre. [www. Stockholmresilience.su.se](http://www.Stockholmresilience.su.se).
36. Stone-Jovicich, S., 2015. Probing the interfaces between the social sciences and socialecological resilience: insights from integrative and hybrid perspectives in the social sciences. *Ecology and Society*, 20(2), (25pp).
37. Sudmeier-Rieux, K.I., 2014. Resilience—an emerging paradigm of danger or of hope? *Disaster Prevention and Management*, 23(1), pp.67-80. (13pp.)
38. Tanner, T., Lewis, D., Wrathall, D., Bronen, R., Cradock-Henry, N., Huq, S., Lawless, C., Nawrotzki, R., Prasad, V., Rahman, M.A. and Alaniz, R., 2015. Livelihood resilience in the face of climate change. *Nature Climate Change*, 5(1), pp.23-26. (3pp.)
39. Tanner, T., Bahadur, A. and Moench, M. (2017) Challenges for resilience policy and practice. London: ODI. Chapter 3.
40. Weichselgartner J., and Kelman, I. 2014. Geographies of resilience: Challenges and opportunities of a descriptive concept. *Progress in Human Geography* 1-19. (18 pp.)
41. Walker, B, Holling, C.S., Carpenter, S.R. & Kinzig, A. 2004. Resilience, Adaptability and Transformability in Social-ecological Systems, *Ecology and Society*, 9:2, 5.
42. Walker, B.H. & Salt, D. 2006. Resilience Thinking: Sustainable Ecosystems and People in a Changing World, Washington DC, Island Press. (Chapter1, 5 and 6).ISBN:9781597260930
43. Walsh-Dilley, M., Wolford, W., & McCarthy, J. 2016. Rights for resilience: food sovereignty, power, and resilience in development practice. *Ecology and Society*, 21(1).