

LITERATURE USES 2018

The literature includes all lecture presentations (power points) that will be available at MONDO after each lecture.

Andersson, E., Barthel, S., Borgström, S., Colding, J., Elmqvist, T., Folke, C., & Gren, Å. 2014. *Reconnecting Cities to the Biosphere: Stewardship of Green Infrastructure and Urban Ecosystem Services*. *Ambio*, 43(4):445–453. Download at: <http://link.springer.com/article/10.1007/s13280-014-0506-y/fulltext.html>

Andersson, E., McPhearson, T., Kremer, T., Gomez-Baggethun, E. Haase, D., Tuvendal, M. & Wurster, D. 2015a. *Scale and context dependence of ecosystem service providing units*, *Ecosystem Services*, 12:157-164. Available at SUB.

Andersson, E., Tengö, M., McPhearson, T. & Kremer, P. 2015b. *Cultural ecosystem services as a gateway for improving urban sustainability*, *Ecosystem Services*, 12:165-168. Available at SUB.

Andersson, E., J. Enqvist, and M. Tengö. 2017. Stewardship in urban landscapes. Page in C. Bieling and T. Plieninger, editors. *The Science and Practice of Landscape Stewardship*. Cambridge University Press, Cambridge, UK. **Handed out**.

Borgström, S., Elmqvist, T., Angelstam, P. & Alfsen-Norodom, C. 2006. *Scale mismatches in management of urban landscapes*. *Ecology and Society* 11:2 Art.16. Download at: <http://www.ecologyandsociety.org/vol11/iss2/art16/>

Björklid, P. 2012. Child friendly cities, sustainable cities. Download at: http://earlychildhoodmagazine.org/wp-content/uploads/2012/07/ECM118_10_Child-friendly-cities-sustainable-cities_Pia-Bjorklid.pdf

CBD. 2012. *Cities and Biodiversity Outlook - Action and Policy*. Download at: <http://www.cbobook.org/resources.php?r=1&width=1680>

Colding, J. & Barthel, S. 2013. *The potential of “Urban Green Commons” in the resilience building of cities*. *Ecological Economics*, 86:156–166. Available at SUB.

Elmqvist, T. et al. 2013. *Urban Biodiversity and Ecosystem Services: Challenges and Opportunities — A Global Assessment*. Springer.

Ch. 2 – *History of Urbanization and the Missing Ecology*

Ch. 10 – *Patterns and trends in urban biodiversity and landscape design*

Ch. 11 – *Urban ecosystem services*

Ch. 26 – *Feeding cities: Food security and ecosystem support in an urbanizing world*

Download at:

http://www.cbobook.org/pdf/Urbanization_biodiversity_and_ecosystem_services-challenges_and_opportunities_2013.pdf

Enqvist, J., M. Tengö, and W. J. Boonstra. 2016. *Against the current: Rewiring rigidity trap dynamics in urban water governance through civic engagement*. *Sustainability Science* 11:919–933. Available at SUB.

Folke, C., R. Biggs, A. V Norström, B. Reyers, and J. Rockström. 2016. *Social-ecological resilience and biosphere-based sustainability science*. Ecology & Society 21. Available at SUB.

Giusti, M., S. Barthel, and L. Marcus. 2014. *Nature Routines and Affinity with the Biosphere : A Case Study of Preschool Children in Stockholm*. Children, Youth and Environments 24:16–42. Available at SUB.

Groffman, P. M., M. L. Cadenasso, J. Cavender-Bares, D. L. Childers, N. B. Grimm, J. M. Grove, S. E. Hobbie, L. R. Hutyyra, G. Darrel Jenerette, T. McPhearson, D. E. Pataki, S. T. A. Pickett, R. V. Pouyat, E. Rosi-Marshall, and B. L. Ruddell. 2016. *Moving Towards a New Urban Systems Science*. E200cosystems 20:1–6. Available at SUB.

Grove, M. 2009. *Cities: Managing densely settled social-ecological systems*. Ch. 13 in Chapin, FS. et al. *Principles of Ecosystem Stewardship. Resilience-Based Natural Resource Management in a Changing World*. Springer. Handed out.

Hahn, T., McDermott, C., Ituarte-Lima, C. Schultz, M. Green, T. & Tuwendal, M. 2015. *Purposes and degrees of commodification: Economic instruments for biodiversity and ecosystem services need not rely on markets or monetary valuation*, Ecosystem Services 16, P. 74-82, Download at: <http://www.sciencedirect.com/science/article/pii/S2212041615300395>

McHale, M. R., D. N. Bunn, S. T. Pickett, and W. Twine. 2013. *Urban ecology in a developing world: why advanced socioecological theory needs Africa*. Frontiers in Ecology and the Environment 11:556–564. Available at SUB.

Jacquet, J., J. Hocevar, S. Lai, P. Majluf, N. Pelletier, T. Pitcher, E. Sala, R. Sumaila, and D. Pauly. 2009. *Conserving wild fish in a sea of market-based efforts*. Oryx 44:45–56. Available at SUB.

Jonell, M., B. Crona, K. Brown, P. Rönnbäck, and M. Troell. 2016. *Eco-labeled seafood: Determinants for (blue) green consumption*. Sustainability 8:19. Available at SUB.

Neslen, A. 2017. “Access to nature reduces depression and obesity, finds European study”. The Guardian, 2017-03-21. <https://www.theguardian.com/society/2017/mar/21/access-nature-reduces-depression-obesity-european-report>

Sellberg, M. Wilkinson, K. & Peterson, G. 2015. *Resilience assessment: a useful approach to navigate urban sustainability challenges*. Ecology and Society 20 (1): 43. Download at: <http://www.ecologyandsociety.org/vol20/iss1/art43/>

Stockholm Resilience Centre website about Resilience thinking and application: <http://www.stockholmresilience.org/research/research-news/2015-02-19-applying-resilience-thinking.html>

UN. 2014. World urbanization prospect. 2014 revision. Highlights. Download at: <http://esa.un.org/unpd/wup/Publications/Files/WUP2014-Highlights.pdf>

Vaughan 2015. Suburban Urbanities: Suburbs and the Life of the High Street. Ch. 9 by Ann Legeby et al. UCL Press. <https://www.ucl.ac.uk/ucl-press/browse-books/suburban-urbanities>

ADDITIONAL READING

Andersson, E., Barthel, S., & Ahrné, K. (2007). *Measuring social-ecological dynamics behind the generation of ecosystem services*. *Ecological Applications* : A Publication of the Ecological Society of America, 17(5):1267–78.

Elmqvist, T., C. Folke, M. Nyström, G. Peterson, J. Bengtsson, B. Walker, & J. Norberg. (2003). *Response diversity, ecosystem change, and resilience*. *Frontiers in Ecology and the Environment*, 1: 488–494.

Elmqvist, T. et al. 2013. *Urban Biodiversity and Ecosystem Services: Challenges and Opportunities — A Global Assessment*. Springer. Ch.12, 20, 24, 27, 30 and others of your specific interest. Download at <http://link.springer.com/book/10.1007/978-94-007-7088-1/page/1>

Folke, C., Jansson, A. Larsson, J. & Costanza. R. (1997). *Ecosystem appropriation by cities*. *AMBIO*, 26: 167–172.

Gómez-Baggethun, E. & Barton, D. N. 2013. *Classifying and valuing ecosystem services for urban planning*. *Ecological Economics*, 86:235–245. Available at SUB.

Gunderson, LH. & Holling, CS. 2002. *Panarchy. Understanding transformation in human and natural systems*. Island Press.

Ch. 2 – *Resilience and Adaptive Cycles*

Ch. 3 – *Sustainability and Panarchies*

Ch. 5 – *Back to the future: Ecosystem Dynamics and Local Knowledge*

Haase, D. 2015. *Reflections about blue ecosystem services in cities*, *Sustainability of Water Quality and Ecology*, 5: 77-83 Available at SUB.

Hilderbrand, R. H., A. C. Watts, and A. M. Randle. 2005. *The myths of restoration ecology*. *Ecology and Society* 10(1): 19. [online] URL: <http://www.ecologyandsociety.org/vol10/iss1/art19/>

Krasny, M.E., Russ, A. Tidball, K. & Elmqvist, E. 2014 *Civic ecology practices: Participatory approaches to generating and measuring ecosystem services in cities*. *Ecosystem Services* 7:177-186.

Line J Gordon, Victoria Bignet, Beatrice Crona, Patrik J G Henriksson, Tracy and Holt, Malin Jonell, Therese Lindahl, Max Troell, Stephan Barthel, Lisa Deutsch, Carl Folke, L Jamila Haider, Johan Rockström and Cibele Queiroz. 2017 *Rewiring food systems to enhance human health and biosphere stewardship*. *Environ. Res. Lett.* 12 100201

Lundberg, J., Andersson, E., Cleary, G. & Elmqvist, T. 2008. *Linkages beyond borders: targeting spatial processes in fragmented urban landscapes*. *Landscape Ecology*, 23(6):717–726.

Nagendra, H., H. S. Sudhira, M. Katti, M. Tengö, and M. Schewenius. 2012. *Urbanization, ecosystems and biodiversity: Assessments of India and Bangalore*. The Secretariat for the Convention on Biological Diversity. Montreal.

Niemelä, J. et al. 2011. *Urban ecology: Patterns, processes and applications*. Oxford. UK
Ch. 4.2. - *Social-ecological transformations in urban landscapes – A historical perspective*. Available at SUB.

Resilience Alliance, 2010. Assessing resilience in social-ecological systems: workbook for practitioners. Version 2.0

Schott, D. 2004. *Urban environmental history: what lessons are there to be learnt?* Boreal Environment Research 9, 519-528. Available at SUB.

Swyngedouw, E. & Heynen, N. C. (2003) *Urban political ecology, justice and the politics of scale*, Antipode, 35, 898-998. Available at SUB.

Wilkinson, C. 2012, *Urban Resilience: What Does it Mean in Planning Practice?* Planning Theory & Practice 13(2):299-333.

Websites:

Resilience Alliance: Key concepts of social-ecological systems thinking
http://www.resalliance.org/index.php/key_concepts

METHODS (further reading)

Case studies

Yin, R. 2006. *Case study research*. SAGE publishing.

Interviews

Kvale, S., and S. Brinkmann. 2009. *Interviews: learning the craft of qualitative research interviewing*. SAGE Publications Ltd, Los Angeles, California, USA.

Landscape assessments

Landscape Character Assessment Guidance for England and Scotland
Download at <http://publications.naturalengland.org.uk/publication/2671754?category=31019>

Ecological experiments

Scheiner, S. M. and Gurevitch, J. 2001 (2nd ed.) *Design and Analysis of Ecological Experiments*. Oxford University Press.

Resilience assessment

Assessing Resilience in Social-Ecological Systems: Workbook for practitioners. Revised Version 2.0. Resilience Alliance. Download at
http://www.resalliance.org/index.php/resilience_assessment.

PhotoVoice

Berbes-Blazquez, M. 2012. A participatory assessment of ecosystem services and human wellbeing in rural Costa Rica using photo-voice. *Environmental management*. Available at SUB.

Bennett, N.J, Dearden, P. 2013. A picture of change: Using photovoice to explore social and environmental change in coastal communities on the Andaman coast of Thailand. *Local*

Environment: The international journal of justice and sustainability, 18:983-1001. Available at SUB.

The PhotoVoice manual. Download at www.photovoice.org

Scenarios

Kok K. (2009). *The potential of Fuzzy Cognitive Maps for semi-quantitative scenario development, with an example from Brazil*. Global Environmental Change. 19:1. 122-133.

van Vliet M., Kok K., and T. Veldkamp (2010) *Linking stakeholders and modellers in scenario studies: The use of Fuzzy Cognitive Maps as a communication and learning tool*. Futures. 42:1:1-14.

Facilitation techniques: Groot and Maarleveld

(2000). <http://dlc.dlib.indiana.edu/dlc/bitstream/handle/10535/6163/Demystifying.pdf?sequence=1>

Thyresson, M and E. Enfors. 2015. Scenario planning PM. Available at Mondo