



**Literature for MESS42, Water and Sustainability applies from
autumn semester 2023**

Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2023-06-07 to apply from 2023-06-07

See appendix.



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MESS42 LITERATURE LIST

2023-06-07

Dnr STYR 2023/1235

Vatten och hållbarhet, 7,5 högskolepoäng

Water and Sustainability, 7,5 credits

MESS42 litteraturlista fastställd av LUCSUS styrelse den 7 juni 2023.

Course literature

1. Allan, J. R., Levin, N., Jones, K. R., **Abdullah, S.**, Hongoh, J., Hermoso, V., & Kark, S. (2019). Navigating the complexities of coordinated conservation along the river Nile. *Science advances*, 5(4), eaau7668 (12p)
2. Arheimer, B. and Pers B.C. (2017). Lessons learned? Effects of nutrient reductions from constructing wetlands in 1996–2006 across Sweden. *Ecological Engineering*, Volume 103, Part B, June 2017, Pages 404–414. doi:10.1016/j.ecoleng.2016.01.088 (10p)
3. **Bakker, K.** Privatizing Water. (2010). Governance Failure and the World's Urban Water Crises. Cornell University Press. London. ISBN13: 9780801474644. ISBN10: 0801474647 (320p)
4. **Bakker, Karen**, et al. "Governance failure: rethinking the institutional dimensions of urban water supply to poor households." *World Development* 36.10 (2008): 1891-1915 (14p)
5. Bell, S. J. (2020). Frameworks for urban water sustainability. *Wiley Interdisciplinary Reviews: Water*, 7(2), e1411 (13p).
6. **Biggs, E.** et al. (2015). Sustainable development and the water–energy–food nexus: A perspective on livelihoods. *Environmental Science & Policy* 54, 389–397. (8p)
7. Cleaver, F., Whaley, L., & Mwachungu, E. (2021). Worldviews and the everyday politics of community water management. *Water Alternatives*, 14(3), 645-663. (19p)
8. Dos Santos, S., Adams, E. A., Neville, G., Wada, Y., de Sherbinin, A., Mullin Bernhardt, E. and Adamo, S. B. (2017) Urban growth and water access in sub Saharan Africa: Progress, challenges, and

- emerging research directions. *Science of the Total Environment*. 607: 497-508. (11p)
9. Fowler, L. B. and Shi, X. (2016). Human conflicts and the food, energy and water nexus: building collaboration using facilitation and mediation to manage environmental disputes. *Journal Environ Stud Sci*. 6: 104-122. (18p)
 10. Franco, J., Mehta, L., & Veldwisch, G. J. (2013). The global politics of water grabbing. *Third World Quarterly*, 34(9):1651-1675. (24p)
 11. Fukuda, S., Noda, K., & Oki, T. (2019). How global targets on drinking water were developed and achieved. *Nature Sustainability*, 2(5): 429-434 (5p)
 12. Gallardo, B., & Aldridge, D. C. (2018). Inter-basin water transfers and the expansion of aquatic invasive species. *Water research*, 143, 282-291 (10p)
 13. Global Water Partnership, (2012). Increasing Water Security – A Development Imperative. Perspectives paper. Pages 1-16. (16p)
 14. Gerlak, A. K., Louder, E., & Ingram, H. (2022). An Intersectional Approach to Water Equity in the US. *Water Alternatives*, 15(1), 1-12 (12p).
 15. Gupta, J. (2009). *Driving forces in global freshwater governance* (pp. 37-57). Chapter 3. In Huitema, D. & Meijerink, S. *Water policy entrepreneurs: A research companion to water transitions around the globe*. Edward Elgar Publishing. (20p) Hall, D. (2001), *Water in Public Hands*, PSIRU REPORT. Pages 1-40. http://www.municipalservicesproject.org/sites/default/files/EN_Water_in_Public_Hands.pdf (40p)
 16. Haeffner, M., Hellman, D., Cantor, A., Ajibade, I., Oyanedel-Craver, V., Kelly, M., ... & Weasel, L. (2021). Representation justice as a research agenda for socio-hydrology and water governance. *Hydrological Sciences Journal*, 66(11), 1611-1624. (13p)
 17. Hall, D. (2004). Privatising other people's water- the contradictory policies of Netherlands, Norway and Sweden. PSIRU Report. Pages 1-9. http://gala.gre.ac.uk/3767/1/PSIRU_9252_-_2004-07-W-Contradictory.pdf (9p)
 18. Hallegatte, S. (2009). Strategies to adapt to an uncertain climate change. *Global Environmental Change*, 19(2): 240-247. (7p)
 19. Heathwaite, A. L. (2010). Multiple stressors on water availability at global to catchment scales: understanding human impact on nutrient cycles to protect water quality and water availability in the long term. *Freshwater Biology*, Special Issue: Multiple Stressors in Freshwater Ecosystems. Volume 55, Issue Supplement s1, Pages 241–257 (16p)
 20. Hoff, H. (2011). Understanding the Nexus. Background Paper for the Bonn 2011 Conference: The Water, Energy and Food Security Nexus. Stockholm Environment Institute, Stockholm. Pages 1-52

- https://www.water-energyfood.org/uploads/media/understanding_the_nexus.pdf (52p)
21. Hoffmann, M., Johnsson, H., Gustafson, A. and Grimvall, A. (2000). Leaching of nitrogen in Swedish agriculture — a historical perspective *Agriculture, Ecosystems & Environment* Volume 80, Issue 3, September 2000, Pages 277-290. (13p)
 22. Hoegh-Guldberg, O., Northrop, E., & Lubchenco, J. (2019). The ocean is key to achieving climate and societal goals. *Science*, 365(6460), (3p)
 23. IPCC Sixth Assessment Report (2022). *Climate Change 2022: Impacts, Adaptation and Vulnerability*. Chapter 4: Water. Selected Sections (50p)
 24. Larson, R., Kelsey L., and R. Rushforth. The Human Right to Water. *Water Science, Policy, and Management: A Global Challenge*: 181-196. (16p)
 25. Lee, M. et al (2017). Water-energy nexus for urban water systems: A comparative review on energy intensity and environmental impacts in relation to global water risks. *Applied energy* 205, Pages 589-601. (12p)
 26. Lele, U. Klousia-Marquis, M. and Goswami, S. (2013). Good Governance for Food, Water and Energy Security. *Aquatic Procedia*. 1: Pages 44-63. (19p)
 27. Loftus, A. (2007). Working the Socio-Natural Relations of the Urban Waterscape in South Africa. *International Journal of Urban and Regional Research*. 31(1): 41-59. (18p)
 28. Mehta, L. (2003). Contexts and constructions of water scarcity. *Economic and Political Weekly* Pages 5066-5072. (6p)
 29. Mehta, L.; Movik, S.; Bolding, A.; Derman, A. and Manzungu, E. (2016). Introduction to the Special Issue – Flows and Practices: The politics of Integrated Water Resources Management (IWRM) in southern Africa. *Water Alternatives* 9(3):389-411 (22p)
 30. Mollinga, Peter P. "Water policy–water politics." In *Water politics and development cooperation*, (30p)
 31. Murthy, S. (2015). A New Constitutive Commitment to Water, Legal Studies Research Paper Series Research Paper Social Science Research Network. Pages 8-19, 49-67.
http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2669380 (29p)
 32. Pahl-Wostl, Claudia (2015). "Water governance in the face of global change." *From Understanding to Transformation*. Chapters 1 & 2 (25 p)
 33. Partzsch, L. (2009). European Union water policy: to transition or not to transition? Coalitions as key. Chapter 13. In Huitema, D. & Meijerink, S. *Water policy entrepreneurs: A research companion to water transitions around the globe*. Edward Elgar Publishing. Pages 237–249 (12p)

34. Poff, N. L., & Olden, J. D. (2017). Can dams be designed for sustainability?. *Science*, 358(6368), 1252-1253 (2p)
35. Rodríguez-Labajos, B., & Martínez-Alier, J. (2015). Political ecology of water conflicts. *Wiley Interdisciplinary Reviews: Water*, 2(5), 537-558 (21p).
36. Rogers, B. C., Dunn, G., Hammer, K., Novalia, W., de Haan, F. J., Brown, L., ... & Chesterfield, C. (2020). Water Sensitive Cities Index: A diagnostic tool to assess water sensitivity and guide management actions. *Water Research*, 186, 116411 (13p)
37. Saravanan, V. S., T. McDonald Geoffrey, et al., (2009). Critical review of Integrated Water Resources Management: Moving beyond polarised discourse, *Natural Resources Forum*, 33: 76-86 (10p)
38. Satterthwaite, D. (2016) Missing the Millennium Development Goal targets for water and sanitation in urban areas. *Environment & Urbanization*. 28(1). 99-118. (19p)
39. Sharmina, A. et al., (2016). A nexus perspective on competing land demands: Wider lessons from a UK policy case study. *Environmental Science & Policy* 59: Pages 74–84. (10p)
40. Stahre, P. (2008). Blue-Green fingerprints in the city of Malmö, Sweden. Malmö Stad. VASYD. Particularly Chapter 1 and 2. Pages 1-100
http://www.citywater.fi/files/2013/08/BlueGreenFingerprints_Peter_Stahre_webb.pdf (100p)
41. Strang, V. (2008). The social construction of water. *Handbook of landscape archaeology* Pages 123- 130. (7p)
42. Swedish Water and Wastewater Association (Svenskt Vatten). 2014. A vision for water research and innovation agenda for the water sector in Sweden. Pages 1-72
<https://www.svensktvatten.se/globalassets/forskning/vattenplattformen/avision-for-water.pdf> (72p)
43. Swyngedouw, E. The political economy and political ecology of the hydro-social cycle. *Journal of Contemporary Water Research & Education* 142.1 (2009): 56-60. (4p)
44. The United Nations World Water Development Report 2019: Leaving No One Behind. UNESCO World Water Assessment Programme. Prologue & Chapter 1 (50p).
45. The United Nations World Water Development Report 2023: partnerships and cooperation for water. UNESCO World Water Assessment Programme.
<https://unesdoc.unesco.org/ark:/48223/pf0000384655> (Selected Chapters) (80 pages)
46. Verthoeven, J.T.A., Arheimer, B., Yin, C., Hefting, M.M. 2006. Regional and global concerns over wetlands and water quality. *Trends in Ecology and Evolution* 21(2):96-103 (7p)

47. Wong, T. H., & Brown, R. R. (2009). The water sensitive city: principles for practice. *Water science and technology* 60(3), Pages 673-682. (9p)

Required reading

Total number of pages: 1266

Author gender balance

Female first-authors in yellow.