



Literature for MESS42, Water and Sustainability applies from the autumn semester 2025

**Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2025-06-04 to apply from 2025-06-04**

See appendix.



LUND
UNIVERSITY

Lund University Centre for
Sustainability Studies

MESS42 LITERATURE LIST

2025-06-04

Dnr STYR 2025/1462

Vatten och hållbarhet, 7,5 högskolepoäng

Water and Sustainability, 7.5 credits

MESS42 litteraturlista fastställd av LUCSUS styrelse den 4 juni 2025.

Course literature

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)

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)

Bakker, K. Privatizing Water. (2010). Governance Failure and the World's Urban Water Crises. Cornell University Press. London. ISBN13: 9780801474644. ISBN10: 0801474647 (320p)

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)

Bell, S. J. (2020). Frameworks for urban water sustainability. *Wiley Interdisciplinary Reviews: Water*, 7(2), e1411 (13p).

Biggs, E. et al. (2015). Sustainable development and the water–energy–food nexus: A perspective on livelihoods. *Environmental Science & Policy* 54, 389–397. (8p)

Cleaver, F., Whaley, L., & Mwathunga, E. (2021). Worldviews and the everyday politics of community water management. *Water Alternatives*, 14(3), 645-663. (19p)

Dos Santos, S., Adams, E. A., Neville, G., Wada, Y., de Sherbinin, A., Mullin

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)

Franco, J., Mehta, L., & Veldwisch, G. J. (2013). The global politics of water grabbing. *Third World Quarterly*, 34(9):1651-1675. (24p)

Fukuda, S., Noda, K., & Oki, T. (2019). How global targets on drinking water were developed and achieved. *Nature Sustainability*, 2(5): 429-434 (5p)

Gallardo, B., & Aldridge, D. C. (2018). Inter-basin water transfers and the expansion of aquatic invasive species. *Water research*, 143, 282-291 (10p)

Global Water Partnership, (2012). Increasing Water Security – A Development Imperative. Perspectives paper. Pages 1-16. (16p)

Gerlak, A. K., Louder, E., & Ingram, H. (2022). An Intersectional Approach to Water Equity in the US. *Water Alternatives*, 15(1), 1-12 (12p)

Grafton, R. Quentin, Safa Fanaian, James Horne, Pamela Katic, Nhat-Mai Nguyen, Claudia Ringler, Libby Robin et al. "Rethinking responses to the world's water crises." *Nature Sustainability* (2024): 1-11 (11p)

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)

Haefner, 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)

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)

Hallegatte, S. (2009). Strategies to adapt to an uncertain climate change. *Global Environmental Change*, 19(2): 240-247. (7p)

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)

Hoff, H. (2011). Understanding the Nexus. Background Paper for the Bonn2011 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)

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)

Hoegh-Guldberg, O., Northrop, E., & Lubchenco, J. (2019). The ocean is key to achieving climate and societal goals. *Science*, 365(6460), (3p)

IPCC Sixth Assessment Report (2022). Climate Change 2022: Impacts, Adaptation and Vulnerability. Chapter 4: Water. Selected Sections (50p)

Kooy, M., Furlong, K., & Lamb, V. (2020). Nature Based Solutions for urban water management in Asian cities: integrating vulnerability into sustainable design. *International Development Planning Review*, 42(3), 381-390 (10p)

Larson, R., Kelsey L., and R. Rushforth. The Human Right to Water. *Water Science, Policy, and Management: A Global Challenge*: 181-196. (16p)

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)

Lele, U. Klousia-Marquis, M. and Goswami, S. (2013). Good Governance for Food, Water and Energy Security. *Aquatic Procedia*. 1: Pages 44-63. (19p)

Marques, R. C., & Miranda, J. (2020). Sustainable tariffs for water and wastewater services. *Utilities Policy*, 64, 101054.(6p)

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)

Mollinga, P. P. (2020). Knowledge, context and problemsheds: a critical realist method for interdisciplinary water studies. *Water International*, 45(5), 388-415. (27p)

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)

Pahl-Wostl, Claudia (2015). "Water governance in the face of global change." *From Understanding to Transformation*. Chapters 1 & 2 (25 p)

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)

Poff, N. L., & **Olden, J. D.** (2017). Can dams be designed for sustainability?. *Science*, 358(6368), 1252-1253 (2p)

Rodríguez-Labajos, B., & Martínez-Alier, J. (2015). Political ecology of water conflicts. *Wiley Interdisciplinary Reviews: Water*, 2(5), 537-558 (21p)

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)

Saddiqi, M. M., Zhao, W., **Cotterill, S.**, & Dereli, R. K. (2023). Smart management of combined sewer overflows: From an ancient technology to artificial intelligence. *Wiley Interdisciplinary Reviews: Water*, 10(3), e1635 (33p)

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)

Satterthwaite, D. (2016) Missing the Millennium Development Goal targets for water and sanitation in urban areas. *Environment & Urbanization*. 28(1). 99-118. (19p)

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)

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)

Strang, V. (2008). The social construction of water. Handbook of landscape archaeology Pages 123- 130. (7p)

Sultana, F., & Loftus, A. (2019). The right to water in a global context: Challenges and transformations in water politics. In Water Politics (14p)

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)

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)

Terrapon-Pfaff, J., Ortiz, W., Dienst, C., & Gröne, M. C. (2018). Energising the WEF nexus to enhance sustainable development at local level. *Journal of Environmental Management*, 223, 409-416 (7p)

The United Nations World Water Development Report 2019: Leaving No One Behind. UNESCO World Water Assessment Programme. Prologue & Chapter 1 (50p).

The United Nations World Water Development Report 2024 Water for prosperity and peace. *UNESCO World Water Assessment Programme*. <https://unesdoc.unesco.org/ark:/48223/pf0000388948> (Selected Chapters) (40 pages)

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)

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

Total Number of Pages

1283

Author gender balance

Female authors marked in yellow