



Literature for MESS42, Water and Sustainability applies from autumn semester 2014

**Literature established by The Board of the Lund University Centre for
Sustainability Studies on 2012-09-10 to apply from 2014-08-31**

See appendix.

Appendix
Reading List MESS42, Water and Sustainability, 7.5 credits
Vatten och hållbarhet

Litteraturlista fastställd av LUCSUS styrelse den 2012-09-10.

Required Readings

Course books:

World Water Assessment Programme (WWAP). 2012. The 4th United Nations World Water Development Report: 2012 pp. <http://www.unesco.org/new/en/natural-sciences/environment/water/wwap/wwdr/wwdr4-2012/#c219661>

Davie, Tim. 2008. Fundamentals of Hydrology. 2nd edition. Routledge, London and New York. Around 100 selected pages

Intro to water resources (globally and in Scania) + climate change

Books listed above.

Arheimer Berit, Andersson, L, Alkan-Olsson, J. and Jonsson A. 2007. Using catchment modes to establish measure plans according to the Water Framework Directive. Water Science and Technology, 56(1)21-28.

Bates, B.C., Z.W. Kundzewicz, S. Wu and J.P. Palutikof, Eds., 2008: Climate Change and Water. Technical Paper of the Intergovernmental Panel on Climate Change, IPCC Secretariat, Geneva, 210 pp.

European Environment Agency. Report No 2 2009. Water resources across Europe — confronting water scarcity and drought. 60 pp. <http://www.eea.europa.eu/publications/water-resources-across-europe>

Hedelin, Beatrice, Lindh M. 2008. Implementing the EU water Framework Directive – Prospects for Sustainable water planning in Sweden. European Environment, 18:327-344.

Ulén, Barbro, Bechmann, M., Fölster, J., Jarvie, H.P. and Tunney, H. 2007. Agriculture as a phosphorus source for eutrophication in the north-west European countries, Norway, Sweden United Kingdom and Ireland: a review. Soil Use and Management. 23(1)5-15.

M. Hoffmann, H. Johnsson, A. Gustafson and A. Grimvall, 2000 Leaching of nitrogen in Swedish agriculture — a historical perspective Agriculture, Ecosystems & Environment Volume 80, Issue 3, September 2000, Pages 277-290

Verhoeven, Jos. T.A., Arheimer, Berit., Yin, Chengqing and Hefting, Mariet. M. 2006. Regional and global concerns over wetlands and water quality. Trends in Ecology & Evolution, Volume 21, Issue 2, February 2006, Pages 96-103

Hydrological modeling

The 2 course books listed above.

Let it rain. A report commissioned by the Swedish International Development Cooperation Agency (Sida) as input into the Commission on Sustainable Development (CSD) and its 2004–2005 focus on water and related issues. 37

pages. http://www.siwi.org/documents/Resources/Policy_Briefs/CSD_Let_it_Reign_2005.pdf

IWRM including institutions and participation

Bellamy, Jennifer. A. and Andrew. K. L. Johnson, 2000. Integrated resource management: Moving from rhetoric to practice in Australian agriculture. *Environmental Management*, 25: 265–280

Hassing, Jan., et al., 2009. Integrated Water Resources Management in Action. Dialogue paper of the World Water Assessment Programme. The United Nations Educational, Scientific and Cultural Organisation, Paris, France

Merrey, D. J. 2008. Is normative integrated water resources management implementable? Charting a practical course with lessons from Southern Africa. *Physics and Chemistry of the Earth*, 33, 899-905

Mitchell, Bruce., 2005. Integrated water resource management, institutional arrangements, and land-use planning. *Environment and Planning A* 37(8) 1335 – 1352

Pahl-Wostl, Claudia.; Mark. Craps; Art. Dewulf; Eric. Mostert; David. Tabara; and Tharsi. Taillieu, 2007. Social learning and water resources management. *Ecology and Society* 12(2)

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

Steele, Timothy. et al., 2008. A comparative evaluation of selected aspects of the EU's WFD versus the U.S. Clean Water Act. Technical paper, World Water Congress, September 1 – 4, 2008

Van Koppen, Barbara. 2003. Water reform in Sub-Saharan Africa: what is the difference? *Physics and Chemistry of the Earth* 28 (2003) 1047–1053

Wester, Philippus., Merrey, Douglas.J., De Lange, Marna. 2003. Boundaries of Consent: Stakeholder Representation in River Basin Management in Mexico and South Africa. *World Development*, 31 (5), 797-812.