

Module 1: The Sustainability Challenge

Altenburg, T. and A. Pegels. 2012. Sustainability-oriented innovation systems – managing the green transformation. *Innovation and Development* 2(1): 5-22.

<http://www.tandfonline.com/doi/full/10.1080/2157930X.2012.664037>

Hallegatte, S., Heal, G., Fay, M. And D. Tréguer. 2012. From growth to green growth. VOX Research-based policy analysis and commentary from leading economists.

http://www.voxeu.org/article/growth-green-growth?keepThis=true&TB_iframe=true&height=650&width=850&caption=europe&quicktabs_tabbed_recents_articles_block=0

IPCC. 2013. Working Group 1: Summary for Policy Makers. Intergovernmental Panel on Climate Change. (36 pages)

Krumdieck, S. 2013. Transition Engineering: Planning and Building the Sustainable World. *The Futurist* 47(4)

Linnenluecke, M.K. and A. Griffiths. 2013. Firms and Sustainability: Mapping the Intellectual Origins and Structure of the Corporate Sustainability Field. *Global Environmental Change* 23(1): 382-391. (10 pages)

<http://www.sciencedirect.com/science/article/pii/S095937801200091X>

Mol, A.P.J. and Spaargaren, G. 2000. Ecological modernisation theory in debate: A review.

Environmental Politics 9(1): 17-49. (23 pages)

<http://www.tandfonline.com/doi/abs/10.1080/09644010008414511>

Newell, P. and M. Paterson. 2010. Climate Capitalism: Global Warming and the Transformation of the Global Economy. Cambridge: Cambridge University Press (chapter 1-5, 8, 10) 125 pages

Peters, G.P., R.M. Andrew, T. Boden, J.G. Canadell, P. Ciais, C. Le Quéré, G. Marland, M.R. Raupach, and C. Wilson, 2013: The challenge to keep global warming below 2°C. *Nature Climate Change*, 3, 4-6.

Philips, M. (2008). Uneven Development (1984). Neil Smith. in Hubbart, P. et al (red.). Key Texts in Human Geography, Sage. 12 sider

Reid, W.V. et al. 2010. Earth System Science for Global Sustainability: Grand Challenges. *Science* 330: 916-917.

Rockstrom et al. 2009. A Safe Operating Space for Humanity. *Nature* 461, 472-475

Hamann, R. 2012. The Business of Development: Revisiting Strategies for a Sustainable Future. Mar-Apr.

http://www.environmentmagazine.org/Archives/Back%20Issues/2012/March-April%202012/sustainable_full.html

Module 2: Innovation – the basics

Asheim, B.T. (2005). The Geography of Innovation: Regional Innovation Systems. In Fagerberg, J., Mowery, D.C. and Nelson, R.R. (2005). The Oxford Handbook of Innovation. Oxford, Oxford University Press. (26 sider)

Fagerberg, J. (2005). Innovation: A Guide to the Literature. In Fagerberg, J., Mowery, D.C. and Nelson, R.R. (2005). The Oxford Handbook of Innovation. Oxford, Oxford University Press. (28 sider)

Freeman, C. (1992). A green techno-economic paradigm for the world economy. In Freeman, C – The Economics of Hope. Pinter Publishers, London. 21 sider

Liu, J. Chaminade, C. Asheim, B. 2013. The Geography and Structure of Global Innovation Networks: A Knowledge Base Perspective. European Planning Studies (published online).

Lundvall, B. Å. and Johnsen, B. (1994). The Learning Economy. Journal of Industry Studies, Vol 1, pp 23-42 (19 sider)

Prahalad, C.K. and Ramaswamy, V. 2003. The New Frontier of Experience Innovation. MIT Sloan Management Review. Summer. <http://sloanreview.mit.edu/article/the-new-frontier-of-experience-innovation/>

Hoogma, R., Kemp, R., Schot, J. og Truffer, B. (2002). Experimenting for Sustainable Transport, Kapittel 1 Technological Fixes. London, Spon Press. 11 sider

Module 3 – Green innovations and transitions in practice

Bain, C. and Selfa, T. (2013). Framing and reframing the environmental risks and economic benefits of ethanol production in Iowa. *Agriculture and Human Values*, 30, 351-364. 13 sider

Berkout, F., Verbong, G., Wieczorek, A. J., Raven, R., Lebel, L. and Bai, X. (2010) Sustainability experiments in Asia: innovations shaping alternative development pathways? *Environmental Science and Policy*, 13, 261-271. 10 sider

Boyd, E., Boykoff, M. and Newell, P. (2011). The “New” Carbon Economy: What’s New? *Antipode*, 43, 601-611.

Dalal-Clayton, B. 2013. Technology and Innovation for a Green Economy. *Review of European, Comparative & International Environmental Law*. 22(1) 62-67. 5 sider

Falk, J. and C. Ryan. 2007. Inventing a Sustainable Future: Australia and the Challenge of Eco-innovation. *Futures* 39(2/3): 215-229.

Forsman, H. (2013). Environmental Innovations as Sources of Competitive Advantage or Vice Versa? *Business Strategy and the Environment*, 22, 306-320. 14 sider

Gouvea, R., Kassicieh, S. and Montoya, M.J.R. 2013. Using the quadruple helix to design strategies for the green economy. *Technological Forecasting and Social Change* 80(2): 221-230. 10 sider

Parag, Y. and D. Strickland. 2011. Personal Carbon Trading: A Radical Policy Option for Reducing Emissions from the Domestic Sector. Jan-Feb.

<http://www.environmentmagazine.org/Archives/Back%20Issues/2011/January-February%202011/carbon-trading-full.html>

Peters, T. 2011. Nature as Measure: The Biomimicry Guild. *Architectural Design* 81(6): 44-47.

Porte, M.E. and Linde (1995). Green and Competitive. *Harvard Business Review*. 10 sider

Reve, T. and Sasson, A. (2012). De framvoksene kunnskapsnæringene – fornybar energi og miljø. Kapittel 10 i boken *Et kunnskapsbasert Norge*. Universitetsforlaget, Oslo. 20 sider.

Smith, A. (2007). Translating Sustainability's between Green Niches and Socio-Technical Regimes. *Technology Analysis & Strategic Management*, 19, 4, 427-450. 23 sider

Specht, K., Siebert, R., Hartmann, I., Freisinger, U.B., Sawicka, M., Werner, A., Thomaier, S., Henckel, D., Walk, H. and Dierich, A. (2013) Urban agriculture of the future: an overview of sustainability aspects of food production in and on buildings. *Agriculture and Human Values* (published online) 19 sider

Sæther, B. (2000). Continuity and convergence: Reduction of water pollution in the Norwegian pulp and paper industry. *Business Strategy and the Environment*, 9, 390-400. 10 sider

Tal, A. 2011. The Desalination Debate—Lessons Learned Thus Far. *Environment: Science and Policy for Sustainable Development* (Sept-Oct).

<http://www.tandfonline.com/doi/abs/10.1080/00139157.2011.604009>

Ulstrup, K., Winther, T., Palit, D., Rohracher, H. and Sandgren, J. (2011). The Solar Transitions research on solar mini-grids in India: Learning from local cases of innovative socio-technical systems. *Energy for Sustainable Development*, 15, 293-303. 10 sider (115 sider så langt)

Module 4 – The limits of innovation and transformations to sustainability

Bornstein, D. How to Change the World: Social Entrepreneurs and the Power of new Ideas. Oxford (select chapters).

Gibson-Graham, J.K. and Roelvik, G. (2009). An Economic Ethics for the Anthropocene. *Antipode*, 41, pp. 320-346. 25 sider

Leach, M., J. Rockström, P. Raskin, I. Scoones, A. C. Stirling, A. Smith, J. Thompson, E. Millstone, A. Ely, E. Arond, C. Folke, and P. Olsson. 2012. Transforming innovation for sustainability. *Ecology and Society* 17(2): 11.

<http://dx.doi.org/10.5751/ES-04933-170211>

Mulgan, G., Tucker, S., Ali, R. and B. Sanders. 2007. Social Innovation: What it is, why it matters and how it can be accelerated. Skoll Centre for Social Entrepreneurship.

<http://eureka.bodleian.ox.ac.uk/761/> (54 pages)

Smith, A. and A. Stirling, 2010: The politics of social-ecological resilience and sustainable socio-technical transitions. *Ecology and Society*, 15(1), 11.

Tjornbo, O. And F.R. Westley. 2012. Game Changers: The Big Green Challenge and the Role of Challenge Grants in Social Innovation. *Journal of Social Entrepreneurship* 3(2) : 166-183.

<http://www.tandfonline.com/doi/full/10.1080/19420676.2012.726007>

Wainwright, J. (2013). Climate Leviathan. *Antipode*, 45, 1-22.

Warner, R. 2010. Ecological modernisation theory: towards a critical ecopolitics of change?

Environmental Politics 19(4): 538-556. (19 pages)

<http://www.tandfonline.com/doi/abs/10.1080/09644016.2010.489710>