

## READING LIST

# AB-203 ARCTIC ENVIRONMENTAL MANAGEMENT

SPRING 2012

### About the literature:

There are no compendia or single textbooks covering all the topics addressed in such a cross-discipline and versatile course as AB-203. Therefore, a number of separate articles, reports and book-chapters will constitute the required texts. Moreover, the texts do not necessarily cover the issues addressed in lectures. When copyright regulations allow, pdfs of the articles are posted in the course folder in the student all-access server. **Lectures and required texts are complementary and together they comprise the required background for students in AB-203.**

<i>Institutions, legal framework and initiatives relating to the management of Arctic environments and natural resources</i>	<i>Lecturers</i>
<b>Churchill, R. and Ulfstein, G.</b> 1992a. Application of the Svalbard Treaty to maritime areas. Chapt. 2. p 23-53, in: "Marine management in disputed areas. The case of the Barents Sea". Roytledge, London .	Ulfstein
<b>Churchill, R. and Ulfstein, G.</b> 1992b. Fisheries management and the access to fishery resources. Chapt. 4. p 91-125. in: "Marine management in disputed areas. The case of the Barents Sea". Roytledge, London .	Ulfstein
<b>Daugstad, K., Svarstad, H. and Vistad, OI.</b> (2006) Community-based nature protection: Lessons from Norway. Int. J. Environ. Cult. Econom. Social Sust. 2; 127-136.	von Quillfeldt
<b>Von Quillfeldt C., Olsen, E., Dommasnes A. &amp; Vongraven D.</b> 2009 Chapter 20 (pp 545-562) in Sakshaug, E., Johnsen, G. and Kovacs, K. (eds.) Ecosystem Barents Sea. Tapir Academic Press, Trondheim.	von Quillfeldt
<b>Pedersen T.</b> 2006. The Svalbard Continental Shelf Controversy: Legal Disputes and Political Rivalries. Ocean Development & International Law, 37:339–358	Ulfstein
<b>Svalbard Environmental protection Act</b> 2001. Royal Ministry of the Environment.	Sysselmannen
<b>Anderson D.H.</b> 2009. The status under international law of the maritime areas around Svalbard. Ocean Development and International Law. 40;373-384	Ulfstein Potts
<b>Potts T. and Schofield C.</b> 2008. Current Legal Developments in the Arctic. An Arctic Scramble? Opportunities and threats in the (formerly) frozen north. The International Journal of Marine and Coastal Law. 23;151-176	Potts
<b>Berkman P.A. and Young O.R.</b> 2009. Governance and environmental change in the Arctic ocean. Science, 324; 339-340.	Potts

<b><i>Basic information on physical environments and natural ecosystems in the Svalbard region.</i></b>	
<b>Aglen A., Gjøsæter H., Holst J.C., Klungsøyr J. &amp; Olsen E.</b> 2005. Valuable areas for cod, haddock, herring and capelin in the Lofoten - Barents sea area. Institute of Marine research	Gjøsæter Søvik
<b>Blix A.S.</b> 2005. The Arctic region. In Blix A.S. Arctic animals and their adaptations to life on the edge. Tapir Academic Press. p 11 - 34	General background
<b>Gjøsæter, H., Bogstad, B. and Tjelmeland, S.</b> 2009. Ecosystem effects of the three capelin stock collapses in the Barents Sea. Marine Biology Research, 5: 40 - 53.	Gjøsæter Søvik
<b>Haug, T., Lydersen, C. and Kovacs, K. M.</b> 2003. Ecological adaptations and niche functions of Arctic marine mammals in the north Atlantic region. Ms. From the 6 <sup>th</sup> Kongsvoll Conference, DKNVS, 20-25 August 2002.	Kovacs
<b>Jonasson, S., Callaghan, T. V., Shaver, G. R. and Nielsen, L. A.</b> 2000. Arctic Terrestrial Ecosystems and Ecosystem Function. In: Nuttall, M and Callaghan, T.V. (eds.): The Arctic. Environment, people, policy. Harwood academic publ. Chapt. 10, p 275 - 313.	General background
<b>Gjøsæter, H.</b> 2009. Commercial fisheries (fish, seafood and marine mammals). Chapter 16 (pp 373-413) in Sakshaug, E., Johnsen, G. and Kovacs, K. (eds.) Ecosystem Barents Sea. Tapir Academic Press, Trondheim.	Gjøsæter Søvik
<b>Svenning, M-A., Klemetsen, A. &amp; Olsen, T.</b> 2007. Habitat and food choice of Arctic charr in Linnévatn on Spitsbergen, Svalbard: the first year-round investigation in a High Arctic lake. -Ecology of freshwater fish. 16; 70-77.	Svenning
<b>Vikingsson, G.A. and Kapel, F.O.</b> (Eds.). 2000. Minke Whales, harp and hooded seals: Major predators in the North Atlantic Ecosystem. NAMMCO, Scientific Commission, Tromsø.	Kovacs
<b>Kovacs K.M., Haug T. &amp; Lydersen C.</b> 2009. Chapter 18 (pp 453-496) in Sakshaug, E., Johnsen, G. and Kovacs, K. (eds.) Ecosystem Barents Sea. Tapir Academic Press, Trondheim.	Kovacs
<b>Andresen S., Walløe L. and Rosendal K.</b> 2005. 'The Precautionary Principle: Knowledge Counts but Power Decides?' in Biodiversity and the Precautionary Principle, ed by Rosie Coonie and Barney Dickson, Earthscan, pp. 39-55.	Andresen Walløe
<b>Andresen S.</b> 2004. 'Whaling:Peace at Home, War Abroad' in International regimes and Norway's Environmental Policy, ed. by Jon b Skjærseth, Ashgate, pp.41-65.	Andresen Walløe
<b>Gautier D.L., Bird K.J., Charpentier R.R., Grantz A., Houseknecht D.W., Klett T.R., Moore T.E., Pitman J.K., Schenk C.J., Schuenemeyer J.H., Sørensen K., Tennyson M.E., Valin Z.C. and Wandrey C.J.</b> 2009. Assessment of undiscovered oil and gas in the Arctic. Science 234, 1175 – 1179.	Brekke
<b><i>Challenges and conflict scenarios relating to environmental management and resource utilization in the Arctic.</i></b>	<b><i>Lecturers</i></b>
<b>Executive summary</b> 2004. In Impacts of a warming Arctic. Arctic	Humlum

<i>Challenges and conflict scenarios relating to environmental management and resource utilization in the Arctic.</i>	<i>Lecturers</i>
Climate Impact Assessment. Cambridge University Press, p 8-20.	
<b>Arctic Environment Protection Strategy 1997: Guidelines for Environmental Impact Assessment (EIA) in the Arctic.</b> Sustainable Development and Utilization. Finnish Ministry of the Environment, Finland, 50 p.	Sander
<b>Fogg, G.E.</b> 1998. Some conclusions. Chapter 10, In: The biology of polar habitats. Oxford University Press. p 214 – 246.	General background
<b>Glasson, J., Therivel, R. and Chadwick A</b> 2005. Introduction and principles in An introduction to Environmental Impact Assessment. 3 rd edition. Routledge Taylor and Francis Group. London and New York. pp. 3-27.	Sander
<b>Løset, S.</b> 1997. Some technological challenges related to petroleum activity in the European Arctic. Conf. Report.	Brandvik
<b>Reiertsen, L. O.</b> 2000. Local and Transboundary Pollutants. In: Nuttall, M and Callaghan, T.V. (eds.): The Arctic. Environment, people, policy. Harwood academic publ. Chapt. 20, p 575 - 599.	Reiertsen Gabrielsen
<b>Mehlum, F.</b> 2000."Arctic bird fauna – ecological functions and conservation challenges. Compendium.	Gabrielsen
<b>Gabrielsen G.W. &amp; Sydnes L.K.</b> 2009. Chapter 19 (pp 497-544) in Sakshaug, E., Johnsen, G. and Kovacs, K. (eds.) Ecosystem Barents Sea. Tapir Academic Press, Trondheim.	Gabrielsen
<b>Moe, A.</b> 1994. Oil and Gas: Future role of the Barents region. In The Barents Region, Schram Stokke and Tunander (eds.), Sage Publ. p 131-144.	Brekke
<b>Wiig, Ø.</b> 1999. Management of polar bears, IUCN/SSC, Polar Bear Specialist Group, preliminary report, p 2-27.	Aars
<b>Wathern, P.</b> 1998. Environmental impact assessment, theory and practice. Unwin Hyman, London, p 3-30.	Sander