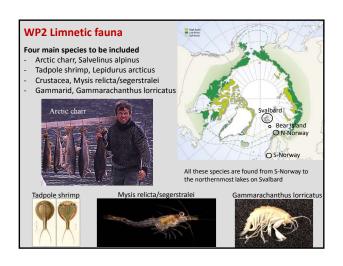
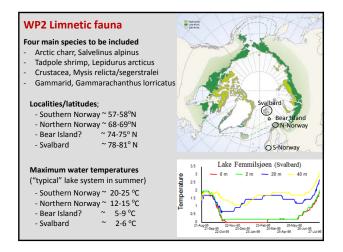
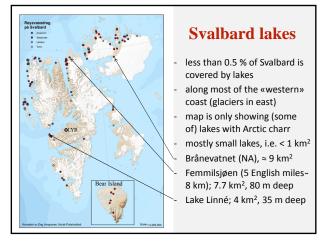


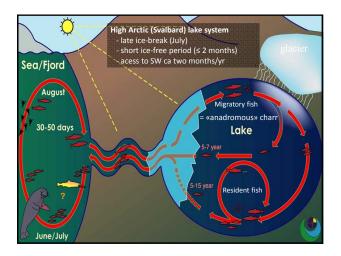


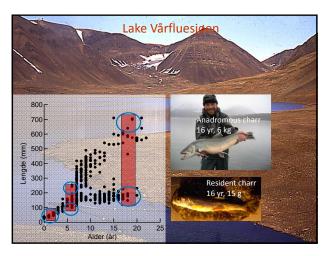
## DWARF (see proposal) Temperature drives size of animals Bergmans rule; declining temperature => increasing size? Effects of global warming on the size of Arctic organisms Declining body size a response to global warming? Most notable impact on ecosystems at high latitudes? Reduced body size and communities & ecosystem processes? Elevated temperatures => size reductions in high latitude ectotherms WP1 − Terrestrial fauna (H-P. Leinaas) WP2 − Limnetic fauna (M-A. Svenning) WP3 − Marine pelagic fauna WP4 − Marine benthic fauna WP5 − Paleontological rRecord of size distribution in foranminifera WP6 − Datbase and literature survey on relationships between genome-, cell and body size and temperature/habitat (Dag Hessen) WP7 − Synthesis of the results, transfer of knowledge, publich outreach WP1/WP2: Leinaas/Svenning/Hessen; joint sampling, sites, time etc.

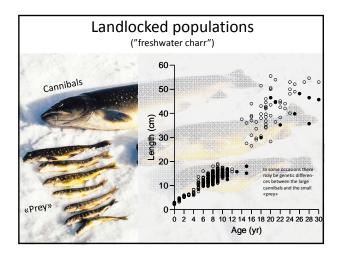


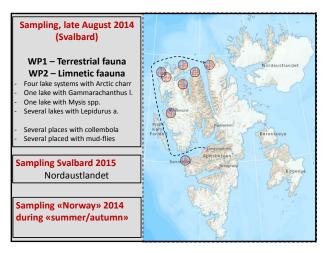


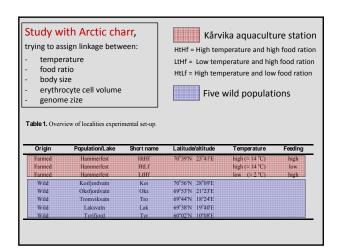


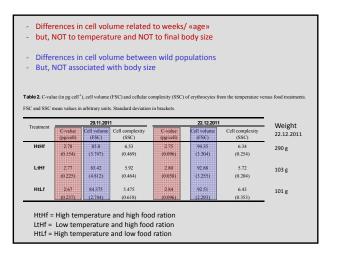


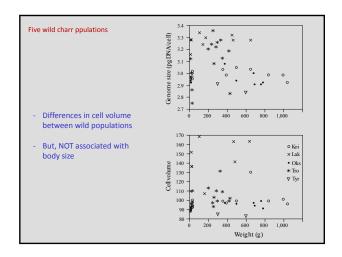


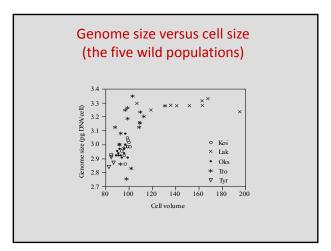


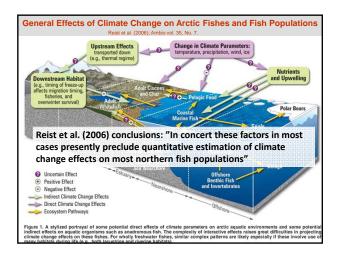












## norACIAs climate scenarias for Svalbard (1961-90 til 2071-2100) Temperature - mean annually temperature increases from 3 °C i SW to 8 °C in NE - highest in autumn/winter (up to 8 °C) and lowest in summer (2-4 °C) Precipitation - mean annually increase with 10-40 % - less increase in S/SV and largest in N/NE - "all over" it is suggested high increase in snowfall (athough the "winter season" is shorter)

