

Climate Change Workshop, Siena, February 2009 – Document List 25 Feb 2009

SC/F09/CC1 George et al. Update on SC/57/E13: Progress Report: Sea Ice Density and Bowhead Whale Body Condition.

SC/F09/CC2 Ferguson et al. Identification of long term datasets on southern hemisphere baleen whales with potential utility in climate change research.

SC/F09/CC3 Hoffman. The Concept of Adaptation and Adaptation of Ecosystems on Which Cetaceans Depend. (8)

SC/F09/CC4 Aguilar et al. Biochemical tools to investigate effects of climate change on cetaceans. [TO COME]

SC/F09/CC5 Brandon & Punt. Assessment of the eastern stock of North Pacific gray whales: incorporating calf production, sea-ice and strandings data.

SC/F09/CC6 Wells et al. Small Cetaceans and Climate Change in Shallow Habitats.

SC/F09/CC7 Simmonds. Cetaceans and climate change – the tertiary level: changing human interactions.

SC/F09/CC8 Simmonds & Smith. Cetaceans and Climate Change – Assessing the Risks.

SC/F09/CC9 Lysiak. Marine Mammals Stable Isotope Records as Indicators of Climate Change: A Call to Re-Examine Previous Conclusions. (4.1)

SC/F09/CC10 Fielder et al. Oceanography and Cetaceans in the Eastern Tropical Pacific.

SC/F09/CC11 Krahn. References for section 3.1.2.

SC/F09/CCForInfo1 Burek et al. Effects of climate change on arctic marine mammal health. (3.1.3)

SC/F09/CCForInfo2 Clarke & Haris. Polar marine ecosystems: major threats and future change. (3.1.3)

SC/F09/CCForInfo3 Geisz et al. Melting Glaciers: A Probable Source of DDT to the Antarctic Marine Ecosystem. (3.1.3)

SC/F09/CCForInfo4 Jenssen. Endocrine-Disrupting Chemicals and Climate Change: A Worst-Case Combination for Arctic Marine Mammals and Seabirds? (3.1.3)

SC/F09/CCForInfo5 Schiedek. Interactions between climate change and contaminants. (3.1.3)

SC/F09/CCForInfo6 de la Mare. Changes in Antarctic sea-ice extent from direct historical observations and whaling records.

SC/F09/CCForInfo7 Simpkins et al. Findings from the Workshop to Develop Monitoring Plans for Arctic Marine Mammals, Valencia, Spain, 4-6 March 2007. (2.4)

SC/F09/CCForInfo8 Overland. The case for global warming in the Arctic.

SC/F09/CCForInfo10 Hofmann et al. Introduction to dynamics of plankton, krill, and predators in relation to environmental features of the western Antarctic Peninsula and related areas: SO GLOBEC Part II. (1.6.2)

SC/F09/CCForInfo11 Nicol et al. Changes in the Antarctic sea ice ecosystem: potential effects on krill and baleen whales.

SC/F09/CCForInfo12 Smetacek. Are declining Antarctic krill stocks a result of global warming or of the decimation of the whales?

SC/F09/CCForInfo13 Smetacek & Nicol. Polar ocean ecosystems in a changing world.

SC/F09/CCForInfo14 Nicol et al. Oceanographic influences on Antarctic ecosystems: observations and insights from east Antarctica (0° to 150°E) (32,P).

SC/F09/CCForInfo15 Cañadas and Hammond. Dolphins and climate change in the SW Mediterranean.

SC/F09/CCForInfo16 Hoffman. Cetaceans and Climate Change: Options for Adapting Conservation and Management. (8)

SC/F09/CCForInfo17 Murphy et al. Climatically driven fluctuations in Southern Ocean ecosystems.

SC/F09/CCForInfo18 Smith et al. Habitat selection of freshwater-dependent cetaceans and the potential effects of declining freshwater flows and sea-level rise in waterways of the Sundarbans mangrove forest, Bangladesh.

SC/F09/CCForInfo19 Smith et al. Species occurrence and distributional ecology of nearshore cetaceans in the Bay of Bengal, Bangladesh, with abundance estimates for Irrawaddy dolphins *Orcaella brevirostris* and finless porpoises *Neophocaena phocaenoides*.

SC/F09/CCForInfo20 Grebmeier et al. A Major Ecosystem Shift in the Northern Bering Sea.

SC/F09/CCForInfo21 Spinsanti et al. Selection of reference genes for quantitative RT-PCR studies in striped dolphin (*Stenella coeruleoalba*) skin biopsies.

SC/F09/CCForInfo22 Fossi et al. First detection of CYP1A1 and CYP2B induction in Mediterranean cetacean skin biopsies and cultured fibroblasts by Western blot analysis.

SC/F09/CCForInfo23 Marsili et al. Use of immunofluorescence technique in cultured fibroblasts from Mediterranean cetaceans as new “in vitro” tool to investigate effects of environmental contaminants.

SC/F09/CCForInfo24 Spinsanti et al. Selection of reliable reference genes for qRT-PCR studies on cetacean fibroblast cultures exposed to OCs, PBDEs, and 17 β -estradiol.

SC/F09/CCForInfo25 Fossi et al. Impacts of shipping on the biodiversity of large marine vertebrates: persistent organic pollutants, sewage and debris.

SC/F09/CCForInfo26 Steig et al. Warming of the Antarctic ice-sheet surface since the 1957 International Geophysical Year.

SC/F09/CCForInfo27 Fielder et al. Summary of ocean climate change in Eastern Pacific marine and coastal environments: physical and chemical variables.

SC/F09/CCForInfo28 IPCC. Climate Change 2007: Synthesis Report. Summary for Policymakers.

SC/F09/CCForInfo29 Heide-Jørgensen et al. The migratory behaviour of narwhals.

SC/F09/CCForInfo30 Heide-Jørgensen et al. Increasing abundance of bowhead whales in West Greenland.

SC/F09/CCForInfo31 Heide-Jørgensen et al. Springtime coupling between chlorophyll a, sea ice and sea surface temperature in Disko Bay, West Greenland.

SC/F09/CCForInfo32 Heide-Jørgensen et al. Dynamics of the sea ice edge in Davis Strait.

SC/F09/CCForInfo33 Laidre & Heide-Jørgensen. Using Narwhals as Ocean-Observing Platforms in the High Arctic.

SC/F09/CCForInfo34 Laidre & Heide-Jørgensen. Arctic sea ice trends and narwhal vulnerability.

SC/F09/CCForInfo35 Laidre & Heide-Jørgensen Winter feeding intensity of narwhals (*Monodon monoceros*).

SC/F09/CCForInfo36 Laidre et al. Deep-diving by narwhals *Monodon monoceros*: differences in foraging behavior between wintering areas?

SC/F09/CCForInfo37 Laidre et al. Fractal analysis of narwhal space use patterns.

SC/F09/CCForInfo38 Laidre et al. Deep-ocean predation by a high Arctic cetacean.

SC/F09/CCForInfo39 Laidre et al. Seasonal narwhal habitat associations in the high Arctic.

SC/F09/CCForInfo40 Laidre et al. Role of the bowhead whale as a predator in West Greenland.

SC/F09/CCForInfo41 Laidre et al. Quantifying the sensitivity of arctic marine mammals to climate-induced habitat change.

SC/F09/CCForInfo42 Zweng and Münchow. Warming and freshening of Baffin Bay, 1916–2003.

SC/F09/CCForInfo43 Di Lorenzo et al. North Pacific Gyre Oscillation links ocean climate and ecosystem change.

SC/F09/CCForInfo44 Mendelsohn et al. Teaching old indices new tricks: A state-space analysis of El Niño related climate indices.

SC/F09/CCForInfo45 Fabry et al. Impacts of ocean acidification on marine fauna and ecosystem processes.

SC/F09/CCForInfo46 Hester et al. Unanticipated Consequences of Ocean Acidification: A Noisier Ocean at Lower pH.

SC/F09/CCForInfo47 Simmonds and Elliott. Climate change and cetaceans: concerns and recent developments.

SC/F09/CCForInfo48 Polovina et al. Ocean's least productive waters are expanding.

SC/F09/CCForInfo49 Halpern et al. Evaluating and Ranking the Vulnerability of Global Marine Ecosystems to Anthropogenic Threats.

SC/60/BRG23 Rowntree et al. Foraging behaviour of southern right whales (*Eubalaena australis*) inferred from variation of carbon stable isotope ratios in their baleen.

SC/60/E12 Smith et al. Swimming against the rising tide: the use of cetaceans for evaluating the ecological impacts of declining freshwater supplies and global climate change in Bangladesh.