Theme Session J

Climate change: Back to the future for marine predators

Conveners: Tore Haug (Norway), Jim Reid (JNCC), and John Pinnegar (UK)

CM Code		Oral Presentations
J: 01 Oral	**Title:**	Impacts of oceanographic change on UK kittiwake productivity
	Authors:	Matthew Carroll
	Keywords:	black-legged kittiwake; climate change; plankton; sandeels; stratification; temperature
J: 02 Oral	**Title:**	Ocean warming and evolutionary responses: Life history adaptations in two genetic distinct colour morphs of Common Guillemots.
	Authors:	Tone Reiertsen, Kjell Einar Erikstad, Mike Harris, Mari Myksvoll, Francis Daunt, Manuel Ballesteros, Børge Moe, Rob Barrett, Mark Newell and Sarah Wanless
	Keywords:	Climate change – life-history strategies – colour polymorphism - micro-evolution - common guillemot – survival – sea surface temperature
J: 03 Oral	**Title:**	Ocean Climate Influences on Marine Birds in the Northwest Atlantic
	Authors:	William Montevecchi
	Keywords:	ocean climate, sea surface temperature, pelagic and forage fishes, marine birds, sea ice, Northwest Atlantic
J: 04 Oral	**Title:**	Before and after the climate change: some reasons of declining impact of major salt water inflows on cod reproduction in Gotland Basin of the Baltic Sea
	Authors:	Elena Karasiova
	Keywords:	cod reproduction, major inflows, environmental conditions, seasonal dynamics
J: 05 Oral	**Title:**	Evaluation of saithe (*Pollachius virens*) and hake (*Merluccius merluccius*) potential competition in the North Sea and its potential impact on saithe stock
	Authors:	Xochitl Cormon Alexander Kempf, Youen Vermard, Paul Marchal
	Keywords:	saithe, hake, competition, bottom-up processes
J: 06 Oral	**Title:**	A cascade of warming impacts brings bluefin tuna to Greenland waters
	Authors:	Brian R. MacKenzie
	Keywords:	bluefin tuna, Greenland, temperature, climate, mackerel, trophic cascade, predator-prey, food web

CM Code		Oral Presentations
J: 07 Oral	**Title:**	Observations of gadoid feeding by large baleen whales in the Norwegian Sea
	Authors:	Leif Nøttestad, Bjørn Krafft, Valantine Anthonypillai, Øyvind Tangen, Lise Langård and Matteo Bernasconi
	Keywords:	Marine mammals, killer whales, fin- and humpback whales, distribution, ecology, juvenile cod and haddock, Norwegian Sea
J: 08 Oral	**Title:**	The battle for food in the Barents Sea: Cod vs. marine mammals
	Authors:	Bjarte Bogstad
	Keywords:	Cod, harp seal, minke whale, Barents Sea, competition
J: 09 Oral	**Title:**	Marine Mammals Distribution and Numbers in Modern Oceanographic Conditions in the Barents Sea
	Authors:	Vladimir Zabavnikov
	Keywords:	marine mammals, the Barents Sea, fish stocks, ecosystem survey, top predators, climate situation
J: 10 Oral	**Title:**	Generalists and ecosystem change
	Authors:	Sophie Smout
	Keywords:	foodweb; ecosystem based management; multi-species model; Bayesian; inference; climate change
J: 11 Oral	**Title:**	Estimation of common dolphin (*Delphinus delphis*) biological parameters for the construction of a population dynamic model: an approximation of the mortality-at-age and the influence of the bycatch
	Authors:	Camilo Saavedra, Daniel Howell, Santiago Cerviño, Graham J. Pierce, Fiona Read, M. Begoña Santos.
	Keywords:	top predators, multispecies models, mortality, common dolphin, bycatch
J:12 Oral	**Title:**	The impact of changing climate on reproduction of northwest Atlantic harp seals, *Pagophilus groenlandicus.*
	Authors:	Garry Stenson
	Keywords:	harp seal, *Pagophilus groenlandicus*, reproductive rates, fecundity, abortions, density dependent, density independent, beta model
J: 13 Oral	**Title:**	Reproductive parameters of Greenland Sea hooded seal (*Cystophora cristata*) females 1958-1999 – clues to the lack of population recovery?
	Authors:	Anne Kirstine Frie
	Keywords:	density dependence, age at primiparity, size at primiparity, hooded seals
CM Code		**Poster**
J: 14 **Poster**	**Title:**	A 200 year archezoological analysis of Pacific cod life history as revealed through Ion Microprobe oxygen isotope ratios in otoliths
	Authors:	Thomas E. Helser, Craig Kastelle, John Valley, Aron L. Crowell, Ian Orland, Reinhard Kozdon, and Takayuki Ushikubo
	Keywords:	Oxygen isotope, ion microprobe, archeological Pacific cod otolith, fractionation equilibrium, Gulf of Alaska, climate change