

## Theme Session J

### Climate change: Back to the future for marine predators

Conveners: Tore Haug (Norway), Morten Frederiksen (Denmark), and John Pinnegar (UK)

#### Agenda and Order of the Day for:

Friday 19 September 2014, 09:00–17:00 – Arao

- 1) Opening and introduction 09:00
- 2) Appointment of rapporteur
- 3) Presentation of papers

CM Code		Time
J: 01 Oral	<p><b>Title:</b> Impacts of oceanographic change on UK kittiwake productivity</p> <hr/> <p><b>Authors:</b> Matthew Carroll, Adam Butler, Ellie Owen, Steven Ewing, Tessa Cole, Roddy Mavor, David Johns, Jonathan Green, Louise Soanes, John Arnould, Stephen Newton, Julia Baer, Francis Daunt, Sarah Wanless, Mark Newell, Gail Robertson, and Mark Bolton</p> <hr/> <p><b>Keywords:</b> black-legged kittiwake, climate change, plankton, sandeels, stratification, temperature</p>	09:10
J: 02 Oral	<p><b>Title:</b> Ocean warming and evolutionary responses: Life history adaptations in two genetic distinct colour morphs of Common Guillemots</p> <hr/> <p><b>Authors:</b> Tone Reiertsen, Kjell Einar Erikstad, Mike Harris, Mari Myksvoll, Francis Daunt, Børge Moe, Rob Barrett, Mark Newell, and Sarah Wanless</p> <hr/> <p><b>Keywords:</b> Climate change, life-history strategies, colour polymorphism, micro-evolution, common guillemot, survival, sea surface temperature</p>	09:30
J: 03 Oral	<p><b>Title:</b> Ocean Climate Influences on Marine Birds in the Northwest Atlantic</p> <hr/> <p><b>Authors:</b> W.A. Montevecchi, A.D. Buren, C.M. Burke, G.K. Davoren, S. Garthe, A. Hedd, L. MacFarlane Tranquilla, P.M. Regular, G.J. Robertson, and S. Wilhelm</p> <hr/> <p><b>Keywords:</b> ocean climate, sea surface temperature, pelagic and forage fishes, marine birds, sea ice, Northwest Atlantic</p>	09:50
J: 04 Oral	<p><b>Title:</b> 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</p> <hr/> <p><b>Authors:</b> Elena Karasiova and Alexander Zezera</p> <hr/> <p><b>Keywords:</b> cod reproduction, major inflows, environmental conditions, seasonal dynamics</p>	10:10
<b>BREAK</b>		

J: 05 Oral	<b>Title:</b> Evaluation of saithe ( <i>Pollachius virens</i> ) and hake ( <i>Merluccius merluccius</i> ) potential competition in the North Sea and its potential impact on saithe stock	11:00
	<b>Authors:</b> Xochitl Cormon, Alexander Kempf, Youen Vermard, and Paul Marchal	
	<b>Keywords:</b> saithe, hake, competition, bottom-up processes	
J: 06 Oral	<b>Title:</b> A cascade of warming impacts brings bluefin tuna to Greenland waters	11:20
	<b>Authors:</b> Brian R. MacKenzie, Mark R. Payne, Jesper Boje, Jacob L. Høyer, and Helle Siegstad	
	<b>Keywords:</b> bluefin tuna, Greenland, temperature, climate, mackerel, trophic cascade, predator-prey, food web	
J: 07 Oral	<b>Title:</b> Observations of gadoid feeding by large baleen whales in the Norwegian Sea	11:40
	<b>Authors:</b> Leif Nøttestad, Bjørn A. Krafft, Valentine Anthonypillai, Øyvind Tangen, Lise Langgård, and Matteo Bernasconi	
	<b>Keywords:</b> Marine mammals, killer whales, fin- and humpback whales, distribution, ecology, juvenile cod and haddock, Norwegian Sea	
J: 08 Oral	<b>Title:</b> The battle for food in the Barents Sea: Cod vs. marine mammals	12:00
	<b>Authors:</b> Bjarte Bogstad, Harald Gjørseter, Tore Haug, and Ulf Lindstrøm	
	<b>Keywords:</b> Cod, harp seal, minke whale, Barents Sea, competition	
J: 09 Oral	<b>Title:</b> Marine Mammals Distribution and Numbers in Modern Oceanographic Conditions in the Barents Sea	12:20
	<b>Author:</b> Vladimir Zabavnikov	
	<b>Keywords:</b> marine mammals, the Barents Sea, fish stocks, ecosystem survey, top predators, climate situation	
J: 10 Oral	<b>Title:</b> Generalists and ecosystem change	12:40
	<b>Authors:</b> Sophie Smout, Phil Hammond, Roman Susdorf, Anna Rindorf, and Tor-Arne Oigard	
	<b>Keywords:</b> Foodweb, ecosystem based management, multi-species model, Bayesian, inference, climate change	
<b>LUNCH</b>		
J: 11 Oral	<b>Title:</b> Estimation of common dolphin ( <i>Delphinus delphis</i> ) biological parameters for the construction of a population dynamic model: an approximation of the mortality-at-age and the influence of the bycatch	15:00
	<b>Authors:</b> Camilo Saavedra, Daniel Howell, Santiago Cerviño, Graham J. Pierce, Fiona Read, and M. Begoña Santos	
	<b>Keywords:</b> top predators, multispecies models, mortality, common dolphin, bycatch	
J:12 Oral	<b>Title:</b> The impact of changing climate on reproduction of northwest Atlantic harp seals, <i>Pagophilus groenlandicus</i>	15:20
	<b>Authors:</b> Garry Stenson, Alejandro Buren, and Mariano Koen-Alonso	
	<b>Keywords:</b> harp seal, <i>Pagophilus groenlandicus</i> , reproductive rates, fecundity, abortions, density dependent, density independent, beta model	

J: 13 Oral	<b>Title:</b> Reproductive parameters of Greenland Sea hooded seal ( <i>Cystophora cristata</i> ) females 1958–1999 – clues to the lack of population recovery?	15:40
	<b>Author:</b> Anne Kirstine Frie, Vladislav Svetochov, Garry Stenson, and Tore Haug	
	<b>Keywords:</b> density dependence, age at primiparity, size at primiparity, hooded seals	
	<b>Discussion</b>	16:00
	<b>End of session</b>	17:00