

**Theme Session F**  
**Arctic biodiversity under climate change and other stressors**

Conveners: Sarah Bailey (Canada), Phillipe Archambault (Canada),  
and Andrea Sneekes (the Netherlands)

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

Tuesday 16 September 2014, 17:00–19:30 – Modular Room 6

- 1) Opening and introduction 17:00
- 2) Appointment of rapporteur
- 3) Presentation of papers

CM Code		Time
F: 01	<b>Title:</b> Non-native species risks to the Arctic	17:15
Oral	<b>Authors:</b> Sarah Bailey, Anders Jelmert, Dan Minchin, and Andrea Sneekes	
	<b>Keywords:</b> aquatic invasive species, non-indigenous species, vector management	
F: 02	<b>Title:</b> Is the Canadian Arctic likely to be invaded by aquatic invasive species? A niche modelling study under various climate change scenarios	17:30
Oral	<b>Author:</b> Jesica Goldsmit, Kimberly Howland, Guillem Chust, and Philippe Archambault	
	<b>Keywords:</b> Arctic, aquatic invasive species, niche modelling, climate change	
F: 03	<b>Title:</b> Evaluating temperature effects on the efficacy of ballast water treatments to prevent non-indigenous introductions into the Canadian Arctic.	17:45
Oral	<b>Authors:</b> Oscar Casas-Monroy, Robert D. Linley, and Sarah Bailey	
	<b>Keywords:</b> Canadian Arctic, biological invasion, ballast water treatment, plankton invasive species	
F: 04	<b>Title:</b> Snow crab ( <i>Chionoecetes opilio</i> ): a new invasive crab species becoming an important player in the Barents Sea ecosystem.	18:00
Oral	<b>Authors:</b> Jan H. Sundet and S. Bakanev	
	<b>Keywords:</b> non-native species, snow crab, Barents Sea, arctic	
F: 05	<b>Title:</b> Functional redundancy of Barents Sea fish	18:15
Oral	<b>Authors:</b> Magnus Aune Wiedmann, Michaela Aschan, Michael Greenacre, Andrey Dolgov, and Raul Primicerio	
	<b>Keywords:</b> Barents Sea, fish, functioning, redundancy	

F: 06 Oral	<b>Title:</b> Shape analysis provides information on functional traits and diversity of Barents Sea fish	18:30
	<b>Authors:</b> Charlotte Weber, Magnus Wiedmann, Michaela Aschan, and Raul Primicerio	
	<b>Keywords:</b> Functional biodiversity, landmarks, morphometrics, Barents Sea fish community	
<b>Posters</b>		
F: 07 Poster	<b>Title:</b> Arctic climate and the main commercial fish stocks	18:45
	<b>Author:</b> Oleg Bulatov	
	<b>Keywords:</b> walleye pollock, pacific cod, Greenland halibut, temperature, Atlantic Multi-Decadal Oscillation	
F: 08 Poster	<b>Title:</b> A new method to extract time series features in different scales with application to the analysis of sea temperature variation in Norwegian and Barents sea	18:47
	<b>Authors:</b> Päivi Laukkanen-Nevala, Leena Pasanen, Ilkka Launonen, Ann Kristin Østrem, Sergey Prusov, Lasse Holmström, and Eero Niemelä	
	<b>Keywords:</b> Arctic sea temperature, climate change, simulation, time series, visualization	
F: 09 Poster	<b>Title:</b> Mackerel feed different from cod in the high Arctic	18:49
	<b>Authors:</b> Jørgen Berge, Kristin Heggland, Ole Jørgen Lønne, Finlo Cottier, Haakon Hop, Geir Wing Gabrielsen, and Ole Arve Misund	
	<b>Keywords:</b> mackerel, cod, diet, high Arctic	
F: 10 Poster	<b>Title:</b> Changes in, and impacts of, fish distributions in the Barents Sea	18:51
	<b>Authors:</b> Daniel Howell, Harald Gjørseter, and Bjarte Bogstad	
	<b>Keywords:</b> Climate change, population distribution, Barents Sea, Kara Sea	
F: 11 Poster	<b>Title:</b> Ballast water treatment at low temperatures: An important limiting condition	18:53
	<b>Authors:</b> N. H. B. M. Kaag and A. C. Sneekes	
	<b>Keywords:</b> ballast water treatment, biocides, limiting conditions, Arctic	
	<b>Closing discussion</b>	18:55
	<b>End of session</b>	19:30