

## Posters

### Theme session I: What are the changes?

Anton Korosov, Lasse H. Pettersson and Annette Samuelsen (Nansen Centre, Norway): **Detection of decadal climate change based on consistent satellite observation of the Nordic Seas aquatic ecosystem.**

Elena L. Vinogradova (P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Moscow, Russia): **Variability of hydrochemical structure at inner and outer boundaries of Eurasian Arctic estuaries.**

### Theme session II: What effects can be expected on the ecosystem?

Benjamin Planque, Edda Johannesen, Kathrine Michalsen (IMR, Norway), Raul Primicerio (Univ Tromsø, Norway), Maria Fossheim, Randi Ingvaldsen (IMR, Norway) and Michaela Aschan (Univ Tromsø, Norway): **Barents Sea Ecosystem Resilience under global environmental change, BarEcoRe: 2010-2013.**

Emma L. Orlova, V.N. Nesterova, and O.V. Goncharova (PINRO, Russia): **The implementation means of *Calanus hyperboreus* and *Mallotus villosus* reproductive strategies in the Barents Sea (2002-2009).**

Elena Eriksen and Gjert Endre Dingsør (IMR, Norway): **Does high jellyfish biomass influence 0-group haddock in the Barents Sea?**

Elena Eriksen, Geir O. Johansen, Randi Ingvaldsen and Jan E. Stiansen (IMR, Norway): **How is year class strength of 0-group cod in the Barents Sea influenced by its dynamics and geographical distribution?**

Andrey V. Dolgov (PINRO, Russia) and Edda Johannesen (IMR, Norway) (the list of authors can be extended): **Structure of the Barents Sea fish community as result of climatic fluctuation.**

Bjarte Bogstad, Padmini Dalpadado (IMR, Norway), Haakon Hop (Norwegian Polar Institute), Emma Orlova, G. Rudneva, I. Prokopchuk and V. Nesterova (PINRO, Russia): **Feeding of polar cod in the Barents Sea related to food abundance and oceanographic conditions.**

Nathalia A. Yaragina and Andrey V. Dolgov (PINRO, Russia): **Long-term variations in the importance of prey species for demersal fishes in the Barents Sea under climate change.**

Olga Svetocheva (MMBI, Russia), Elena Eriksen and Tore Haug (IMR, Norway): **Barents Sea Ammodytidae and their ecological significance for the top predators during summer feeding.**

T.A. Karaseva and T.V. Shamray (PINRO, Russia): **Monitoring of external pathologies in fish as a method of integral estimation of changes in the ecosystem of the Barents Sea under the influence of nature and climate factors.**

Vladimir Zabavnikov and Ilyas Shafikov (PINRO, Russia): **Marine mammals and their possible influence on fishery under current state conditions in the Barents Sea.**

*Corinna Schrumm* (Univ Bergen, Norway) and Evgeniy Yakushev (NIVA, Norway): **Modeling of PCB propagation in the Barents Sea.**

### **Theme session III: Management implications and challenges.**

Anatoly A. Filin (PINRO, Russia): **Simulation of changes in the harvesting strategy of the Northeast Arctic cod as response to the climate change**

Per Arneberg (Norwegian Polar Institute): **Climate change in the Barents Sea and projects under the Russian-Norwegian Environmental Commission.**

Martin Sommerkorn (WWF, Norway), Hussein Alidina, Susan Evans, Peter Ewins (WWF, Canada), Miriam Geitz (WWF, Norway), James Snider (WWF, Canada), Alfonso Lombana (WWF, USA) and Mikhail Stishov (WWF, Russia): **Towards Navigating the Impacts of Rapid Change through Stewardship: a Resilience Assessment of Arctic Places.**

Lasse H. Pettersson, Anton Korosov, Torill Hamre (Nansen Centre, Norway): **Integrated Monitoring and Forecasting of Harmful Algae Bloom Events in Coastal Waters.**