2017 FAMOS MEETING POSTERS

A. Ice and ice-ocean-atmosphere interactions

A1: Schweiger, Axel: Spatiotemporal variability of Arctic sea ice thickness over the 20th Century

A2: Townsend, Tamara: Preliminary Investigation of the Impact of Real-time in situ Data Assimilation in the Navy's Arctic Prediction System

A3: Yaremchuk, Max: Gaussianized 2dVar assimilation of ice concentration into CICE model

A4: Bateson, Adam: Fragmentation and melting of the seasonal sea ice cover

A5: Kazlova, Aliaksandra: Changes in Arctic sea ice dynamics observed from SAR satellites (RADARSAT and ANVISAT datasets)

A6: Murashkin, Dmitrii: Lead distribution in the European Arctic derived from Sentinel-1 SAR images

A7: WITHDRAWN

A8: Zhao, Jiechen: The Inter-comparison and Assessment of Seven Satellite Sea Ice Concentration Datasets in Arctic

A9: Wright, Nicholas: The Open Source Sea-ice Processing (OSSP) Algorithm: A toolkit for the analysis of high resolution optical sea ice imagery

A10: Bushuk, Mitchel: Regional Arctic sea-ice prediction: A direct comparison of potential versus operational seasonal forecast skill

A11: Brunette, Charles: Winter coastal divergence as a predictor for the minimum sea ice extent in the Laptev Sea

A12: Mu, Longjiang: Improving sea ice thickness forecasts by assimilating CryoSat-2 and SMOS sea ice thickness data simultaneously

A13: Ono, Jun: Mechanisms influencing seasonal-to-interannual prediction skill of sea ice extent in the Arctic Ocean in MIROC

A14: Zampieri, Lorenzo: Verification of Seasonal and Sub-seasonal Sea Ice Forecasts

A15: Panteleev G., M. Yaremchuk, T. Townsend, D. Herbert, R. Allard**:** Impact of ice thickness assimilation into the CICE model on the short-term ice forecast**.**

A16: Panteleev et al.: Observing System Simulation Experiments and Adjoint Sensitivity Analysis - efficient methods for optimization and planning of the observational programs in the Arctic Ocean

A17: Boutin, Guillaume: Coupling a spectral wave model with a coupled ocean-ice model: effects on the ice edge and impact on lateral melting

A18: Katlein, Christian: Seasonal evolution of light transmission through Central Arctic sea ice

A19: Barton, Benjamin: Barents Sea atlantification induces frontal constraint on winter ice extent

A20: Wang, Qiang: Linkage of the Arctic Ocean to the North Atlantic in two model simulations

A21: Oikkonen, Annu: Small-scale sea ice deformation during N-ICE2015: From compact pack ice to marginal ice zone

A22: Babb, Dave: Seasonal preconditioning towards younger and thinner sea ice in the Beaufort Sea during winter 2016 and the influence on summer melt

A23: Dupont, Frederic: Improving the representation of grounded ridges in the landfast ice parametrization and other considerations concerning the statistical representation of drag on ice

A24: Hutter, Nils: Developing a dataset of Linear Kinematic Features (LKFs) for the evaluation of small-scale sea ice deformation

A25: Williams, James: Constraining the yield strength of Arctic sea ice with NASA's IceBridge observations

A26: Bouchat, Amélie: Using RGPS Deformation Fields to Constrain Sea-Ice Mechanical Strength Parameters

A27 : Yang, Chao-Yuan: Assessment of Arctic and Antarctic Sea Ice Predictability in CMIP5 Decadal Hindcasts

A28 : Wilbert Weijer : The HiLAT project: an update

A29 : Wieslaw Maslowski: Sensitivity of Arctic Sea Ice and Climate States to the Oceanic Exchanges Across the Main Arctic Gateways

B. Atlantic and Pacific waters and mixing

B1: WITHDRAWN

B2: Garcia Quintana, Yarisbel: Transformation of Atlantic Water in the Nordic Seas and its role on driving the North Icelandic Jet

B3: Muilwijk, Morven: Atlantic Water and sea ice variability in the 20th century Arctic Ocean from a global ocean model and observations

B4: von Appen, Wilken-Jon: Observations of Atlantic Water subduction below Polar Water at a submesoscale front in Fram Strait

B5: Hu, Xianmin: Pacific Water Pathway in the Arctic Ocean Revealed by Online Passive Tracer in NEMO Simulations

B6: Steele, Michael**:** Upper Ocean Temperature in the Seasonal Ice Zone: UpTempO buoys

B7: Lique, Camille: Potential for deep convection in the Arctic Basin under a warming climate

B8: Waterman, Stephanie: Turbulent dissipation and mixing rates in the Canadian Arctic from glider-based microstructure measurements

B9: Shibley, Nicole: Double-Diffusive Layer Formation in the Presence of Turbulence in the Arctic Ocean

B10: Bebieva, Yana: Layering in the Arctic Ocean: the interplay between entrainment and fluxes

B11: Supekar, Rohit: Observations of Regional Inhomogeneity of Double-Diffusive Layering in the Arctic Ocean

B12: Ilicak, Mehmet: Possible impact of thermobaricity in the Arctic Ocean

B13: Kozlov, Igor: Linking internal solitary waves and mixing in the Arctic Ocean

B14: Kozlov, Igor: Spaceborne SAR observations of small-scale eddies near Svalbard

C. Freshwater and Eddies

C1: Kenigson, Jessica: A Simple Adiabatic Model for Vertical Variation of Halocline Slope in the Beaufort Gyre

C2: Zhao, Mengnan: Energy transfer in the Beaufort Gyre

C3: Zhong, Wenli: Greater role of geostrophic currents on Ekman dynamics in the western Arctic Ocean as a mechanism for Beaufort Gyre stabilization

C4: Proshutinsky, Andrey: 2003-2016 freshwater changes in the Beaufort Gyre region and their causes

C5: Kelly, Stephen: High-Resolution Modelling of Arctic Circulation Pathways: Applications for the Understanding the Advection of Pollutants

C6: Miller, James: A Lagrangian Analysis of Arctic Freshwater Pathways

C7: Scott, Jeffery: TBD

C8: Manucharyan, Georgy: Submesoscale sea ice-ocean interactions in marginal ice zones.

C9: Wekerle, Claudia: Eddy dynamics and properties in the Fram Strait

C10: Pemberton, Per: Arctic Ocean (steady state) response to freshwater and wind perturbations

C11: Gelderloos, Renske: Impact of Beaufort High anomalies on Arctic shipping routes

C12: Gianluca Meneghello: Observations of seasonal upwelling and downwelling in the Beaufort Sea mediated by sea ice

D. Bio-geo-eco systems

D1: Castro de la Guardia, Laura: Evaluating the importance of nutrient sources to primary production in the Arctic, a high resolution modelling experiment using BLINGv0-NEMO-LIM2 framework

D2: Feng, Zhixuan: Pelagic-benthic coupling processes in the St. Lawrence Island Polynya region, northern Bering Sea: modeling and observational Synthesis

D3: Holdsworth, Amber: The Influence of Arctic Climate Change on Local Marine Ecology

D4: Kvile, Kristina: Is *Calanus hyperboreus* an expatriate in the Arctic basins?

D5: Questel, Jennifer: Pan-Arctic phylogeography and connectivity of species of Pseudocalanus (Copepoda, Calanoida)

D6: Schourup-Kristensen, Vibe: The Arctic sea ice algae model SIMBA in the Finite Element Sea-ice Ocean Model

D7: Schultz, Cristina: A new regional model for the study of the carbon cycle and ocean acidification in the Gulf of Alaska

D8: Ashjian, Carin: Mesozooplankton are not herbivores: the importance of microzooplankton in mesozooplankton diets and Arctic and Sub-Arctic trophic linkages

E. Water transport/circulation/climate/terrestrial

E1: Almansi, Mattia: Characteristics and causes of Denmark Strait Overflow Water transport variability

E2: Fujisaki-Manome, Ayumi: Impacts of shelf-basin exchange on water properties in the East Siberian Sea shelf seen in a historical ice-ocean simulation

E3: Panteleev, Gleb: Anomalous circulation in the Pacific sector of the Arctic Ocean in July-December 2008

E4: Richter, Maren: Fram Strait recirculation and the EGC north of 79°N, synoptic observations and model comparison

E5: Woodgate, Rebecca: The Changing Bering Strait - recent warming, freshening and flux increases from observations, and the long-sought structure of the “pressure head” forcing, as elucidated by GRACE ocean bottom pressure data

E6: Yankovsky, Elizabeth: Symmetric Instability in Dense Shelf Overflows

E7: Feucher, Charlène: Labrador Sea Water formation rate and its impact on the Meridional Overturning Circulation

E8: Chen, Xianyao: Arctic Sea Level Variability: Observations and Simulations

E9: Proshutinsky, Andrey: 1950-2016 Arctic sea level variability