

Agenda

Tuesday, June 12	Wednesday, June 13	Thursday, June 14
8:30 Coffee & light breakfast	8:30 Coffee & light breakfast	8:30 Coffee & light breakfast
9:00 Introduction		
9:10 Mizobata S1	9:00 Logerwell S2	9:00 Hop S3
9:35 Garron S1	9:25 Planque S2	9:45 Mueter S3
10:00 Abe S1	9:50 Baker S2	10:10 Marsh S3
10:25 Waga S1	10:15 Haynie S2	10:35 Coffee Break
10:50 Coffee Break	10:40 Coffee Break	11:05 Laurel S3
11:20 Saitoh S1	11:10 Planque S2	11:30 Logerwell S3
11:45 Alabia S1	10:50 Moore S2	11:55 Priou S3
12:10 Tibbles S1	11:10 Hunt S2	12:20 Levine S3
12:35 Breed S1	11:30 Haynie S2	
13:00 Lunch (provided)	12:50 Lunch (provided)	12:45 Lunch (provided)
Workshop & Site Visit: Alaska Satellite Facility	14:00 Facilitated discussion: Arctic IEA S2	14:00 Huserbråten S3
14:00 Arko		14:25 Bender S3
15:30 Coffee Break	15:30 Coffee Break	14:50 Nickel S3
15:45 Bus to site	16:00 Pilcher CP	15:15 Bouchard S3
16:00 Tour	16:25 Azetsu-Scott CP	15:40 Coffee Break
17:00 Museum or trails	16:50 Misarti PG	16:10 Vestfals S3
		16:35 Forster S3
	18:30 Poster session & Reception	18:30 Group Dinner

Monday, June 11

18:00 Welcome Reception (Garden Room)

Tuesday, June 12

08:30 *Coffee and light breakfast*

09:00 Opening Remarks — ESSAS Co-Chairs Ken Drinkwater, Franz Mueter & Sei-Ichi Saitoh

Local arrangements and practical information

09:10 Session 1 — *Novel applications of remote sensing in Subarctic and Arctic marine ecosystems*

Co-Chairs: Sei-Ichi Saitoh, Hajo Eicken, Taka Hirata

09:10 Kohei Mizobata, Yamamoto-Kawai, M. and Abe, M.: *Improved sea surface salinity in the Chukchi / Beaufort Seas using DINEOF*

09:35 Jessica Garron : *Remote-sensing techniques for oil spill detection under Arctic conditions*

10:00 Hiroto Abe, Sampei M., Hirawake T., Waga H., Nishino S., and Ooki A.: *Spring phytoplankton bloom and sediment resuspension in the Bering Strait*

10:25 Hisatoma Waga and Hirawake,T.: *Satellite-observed phenological shifts in phytoplankton community in the Pacific Arctic Region*

10:50 *Coffee break (30 min)*

- 11:20** Sei-Ichi Saitoh, Alabia, I., Igarashi, H., Ishikawa, Y., Kamachi, M. and Imamura, Y.: *Practical procedure for potential fishing zone prediction of neon flying squid (*Ommastrephes bartramii*) in the north western North Pacific*
- 11:45** Irene Alabia, Jorge García Molinos, Sei-Ichi Saitoh, Takafumi Hirata, Toru Hirawake, and Franz J. Mueter: *Projected distribution and diversity patterns of marine taxa in the Pacific Arctic under future climate*
- 12:10** Marguerite Tibbles, Falke, J.A., Mahoney, A.R., Robards, M.D. and Seitz, A.C.: *An InSAR habitat suitability model to identify overwinter conditions for whitefishes in Arctic lagoons*
- 12:35** Greg Breed, Cory J. D. Matthews, Jack Orr, Jeff W. Higdon, Bernard LeBlanc, Stephen D. Petersen, Steven H. Ferguson: *Assessing non-consumptive effects of emerging predator regimes in warming Arctic marine ecosystems*

13:00 *Lunch break (lunch provided)*

Tuesday Afternoon - Workshop and Site Visit: Alaska Satellite Facility

14:00 Scott Arko: *UAF's Alaska Satellite Facility - Data, Tools & Products*

15:30 *Coffee break (15 min)*

15:45 **Bus to Alaska Satellite Facility**

16:00 **Tour Alaska Satellite Facility**

17:00 **Option to visit Museum of the North (open until 19:00) or to explore UAF trails or facilities**

Wednesday, June 13

08:30 *Coffee and light breakfast*

09:00 **Session 2 — *Integrated Ecosystem Assessments (IEA) in the Subarctic and Arctic***

Co-Chairs: Libby Logerwell, Benjamin Planque, and Alan Haynie

09:00 Libby Logerwell: *Ecosystem Approach in the Arctic Council.*

09:25 Arneberg, P., van der Meeren, G. I., Benjamin Planque: *Data, concepts, models and management drivers in the ICES integrated assessment groups for the Norwegian and Barents Seas*

09:50 Matthew Baker, Edward Farley, Seth Danielson, Carol Ladd, Nils Christian Stenseth, Anne Husebekk, Jørgen Berge, Bob Lauth, Aleksey Somov: *Integrated Ecosystem Research in the Pacific-Arctic Interface*

10:15 Alan Haynie: *Social and natural science integration in IEAs and large interdisciplinary marine science projects*

10:40 *Coffee break (30 min)*

11:10 Benjamin Planque and Arneberg, P.: *'Letting the data speak' - misleading data exploration in IEAs.*

11:35 Sue Moore, Shuford, R., Gedamke, J., and Hatch, L.: *Including underwater sound in Arctic and Subarctic IEAs: an ecosystem component to link ecological, social, and economic factors in support of holistic decision-making*

12:00 George L. Hunt, Jr., Renner, M., Eisner, L., Kuletz, K., Salo, S., Ressler, P., Santora, J.A., and Ladd, C.: *Seabird abundance in a variable Bering Sea: long and short-term changes in density*

12:25 Alan Haynie, Faig, A., Holsman, K. K., Kasperski, S., and Hollowed, A.B.: *Alaska Climate Integrated Modeling*

12:50 *Lunch break (lunch provided)*

14:00 **Facilitated discussion: Artic IEA**

15:30 *Coffee break (30 min)*

16:00 *Contributed papers and paleoecology of Gadids*

16:00 Darren Pilcher, Naiman, D.M., Cross, J.N., Hermann, A.J., Siedlecki, S.A., Gibson, G.A., and Mathis, J.T.: *Impact of local biogeochemical processes and climate variability on ocean acidification in the Bering Sea*

16:25 Kumiko Azetsu-Scott and Punshon, S.: *Ocean Acidification in the Eastern Canadian Arctic*

16:50 Nicole Misarti, Lester Lembke-Jene, Jason Addison, Naomi Harada, Bruce Finney, Mark Shapely, Ben Fitzhugh, William Brown, Anne deVerna.: *Integrating proxy-data of ocean productivity, sockeye salmon and human populations from the mid to late Holocene*

18:30 *Poster Reception with no-host bar (Gazebo Room)*

Thursday, June 14

08:30 *Coffee and light breakfast*

08:30 **Session 3 — *Biology and ecology of Arctic cods***

Co-Chairs: Franz Mueter, Benjamin Laurel, Caroline Bouchard, John Nelson, Brenda Norcross, Haakon Hop

09:00 Haakon Hop,: *Polar cod (Boreogadus saida) revisited in laboratories and the warming Arctic*

09:45 Franz Mueter and Flores, H.: *Current and future research on Boreogadus saida*

10:10 Jennifer Marsh and Mueter, F.: *Influences of temperature, predators and competitors on the southern distribution of Arctic cod (Boreogadus saida)*

10:35 *Coffee break (30 min)*

11:05 Benjamin Laurel and Copeman, L.A.: *Size- and temperature-dependent overwintering success in age-0 juvenile polar cod (Boreogadus saida) and walleye pollock (Gadus chalcogrammus).*

11:30 Elizabeth Logerwell, Busby, M., Mier, K., Tabisola, H., and Duffy-Anderson, J.: *The effect of oceanographic variability on the distribution of Arctic cod of the Northern Bering and Chukchi Seas*

11:55 Pierre Priou, Chawarski, J., Berge, J., and Geoffroy, M.: *Arctic cod (Boreogadus saida) versus boreal fish species in the Barents Sea*

12:20 Robert Levine, Alex De Robertis, Christopher Wilson, Ed Farley, and Daniel Grünbaum: *Field Studies to Investigate the Fate of Juvenile Arctic Cod in the U.S. Continental Shelf Region of the Chukchi Sea*

12:45 *Lunch break (lunch provided)*

14:00 Mats Huserbråten, Eriksen, E., Gjøsæter, H., Vikebø, F., and Albretsen, J.: *Polar cod at drift in the Barents Sea*

14:25 Morgan Bender, Gossa, J., Laurent, J., Teisrud, R., Jones, C., Frantzen, M., Hansen, B.H., Laurel, B., Meador, J., and Nahrgang, J.: *Effects of increased water temperature and water-soluble crude oil exposure on survival, growth, and feeding success of early life stages of polar cod (Boreogadus saida)*

14:50 Anja Nickel and Guðbjörg Ásta Ólafsdóttir: *Trophic interactions of 0-group Atlantic cod and saithe*

15:15 Caroline Bouchard, Ariane Aspirault, Dominique Robert, and Louis Fortier: *Eat BIG: the importance of Calanus glacialis for the feeding success of polar cod larvae*

15:40 *Break (30 min)*

16:10 Cathleen Vestfals, Mueter, F.J., Hedstrom, K.S., Laurel, B.J., Petrik, C.M., Duffy-Anderson, J.T., Danielson, S.L., De Robertis, A., Curchitser, E.N.: *Gender specific reproductive strategies of an Arctic key species (Boreogadus saida) and implications of climate change*

16:35 Caitlin Forster, Brenda Norcross, and Franz Mueter: *Assessing spatial patterns of Arctic Cod (Boreogadus saida) abundance and distribution in the Chukchi and Beaufort seas*

17:00 *Conference Wrap-Up*

18:30 *Group Dinner at TBD*

Friday, June 15

09:00 **ESSAS Scientific Steering Committee – Business Meeting (in Board Room)**