

Upcoming 2023 DBO focused and/or relevant meetings

Jackie Grebmeier, CBL/UMCES, Solomons, Maryland USA

January 2023: Alaska Marine Science Symposium (*hybrid*;
<https://www.alaskamarinescience.org/>)

February 2023: ASSW23 in Vienna, Austria (registration open;
<https://www.assw.info/registration>)

- **Mon. Feb 20:** “Distributed Biological Observatory (DBO) community meeting”, 1030-1800 CET (*hybrid*)
- **Tues. Feb 21: Session #11:** “Integrating knowledge from regional marine observatories to pan-Arctic perspectives” (with DBO talks; 1400-1800 CET (*hybrid*))

March , 6-9 2023: 7th International Symposium on Arctic Research, (ISAR7), Tokyo, Japan: Synoptic Arctic Survey and Marine Ecosystem sessions (*hybrid*:
<https://www.jcar.org/isar-7/>)

November 7-9, 2023: Nansen Legacy symposium in Tromsø, Norway; more details at: <https://www.nansenlegacy-symposium.com/>

ARCTIC SCIENCE SUMMIT WEEK

17 - 24 February 2023
Vienna, Austria

#ASSW2023



- ASSW23 – Hybrid meeting; registration soon at <https://www.assw.info/registration>

Sat. Feb 18: PAG mtg session Observing

Pacific Arctic Group
14:00 - 15:30
(Hörsaal 3)
Open Session - HYBRID

Pacific Arctic Group
16:00 - 18:00
(Hörsaal 3)
Open Session - HYBRID

Mon. Feb 20: DBO wksp

**Distributed Biological
Observatory (DBO) Community
Meeting**
10:30 - 12:30
(Hörsaal 1)
Open Session - HYBRID

**Distributed Biological
Observatory (DBO) Community
Meeting**
14:00 - 15:30
(Hörsaal 1)
Open Session - HYBRID

**Distributed Biological
Observatory (DBO) Community
Meeting**
16:00 - 18:00
(Hörsaal 1)
Open Session - HYBRID

Tues. am: SAS session

**ID:47 The Next Phase of the
Synoptic Arctic Survey (SAS)**
08:30 - 10:00
(Hörsaal 2)
Open Session - HYBRID

Tues. am-pm Pan-Arctic

**ID:11 Integrating knowledge
from regional marine
observatories to pan-Arctic
perspectives**
14:00 - 15:30
(TBC)
Open Session - HYBRID

**ID:11 Integrating knowledge
from regional marine
observatories to pan-Arctic
perspectives**
16:00 - 18:00
(TBC)
Open Session - HYBRID

Draft Session Program
Submission deadline: November 25, 9:00 AM (JST=GMT+9)

R6 Marine Ecosystems

Please fill in the areas marked in yellow.

Session Presentation

Number of presenter (15 min presentation and 5 min Q&A) allowed: 1

	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	20	1126	The Pelagic Ecosystem in the Central Arctic Ocean with Increased Polar Ice	Essaka et al. Polar Institute

Draft Session program

Number of slots (90 min) allowed: 2

Chairperson(s)

Atsushi Yamaguchi, Jacqueline Grebmeier, Russell Hopcroft, Yoko Mitani, Franz Mueter, Jean-Baptiste Thiebot

On-site attendee who takes care of the session (if in case the chairperson participates by online.)

Atsushi Yamaguchi, Jacqueline Grebmeier, Russell Hopcroft, Jean-Baptiste Thiebot

Orals	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	15	1006	Diatoms Contributing to New Production in Surface Waters of the Northern Bering and Chukchi Seas During Summer with Reference to Water Column Stratification	Koji Suzuki
2	15	1089	Characteristics of autumn diatom communities in the Chukchi Sea unraveled by combined DNA metabarcoding and scanning electron microscope techniques	Yuri Fukai
3	15	1183	Long-term changes in Arctic Zooplankton communities	Russell Hopcroft
4	15	1207	Distribution of Polar cod, <i>Boreogadus saida</i> , in the Chukchi Sea inferred from environmental DNA analysis	Tatsuya Kawakami
5	15	1245	Balance between human economic activities and the impacts on ecosystem by Atlantic salmon escape into the Pacific Ocean and Pacific salmon invasion of the Atlantic Ocean	Ikutaro Shimizu
6	15	1152	International regulation of fur sealing in the North Pacific: The role of non-state actors in marine living resource management and conservation	Marina Lomaeva
7	15	1181	Seasonal movement and habitat use of ringed seals in northwestern Greenland	Yuta Sakuragi
8	15	1218	Diet of seals in northwest Greenland determined by stomach contents analysis	Monica Ogawa
9	15	1279	Seabird community response to contrasting levels of subglacial meltwater plume activity in NW Greenland	Jean-Baptiste Thiebot
10	15	1290	Bird-colony dynamics revealed by sound monitoring (Siropaluk, Greenland)	Evgeny A. Podolskiy
11	15	1215	Assessing Vulnerability of the Arctic Marine Ecosystems Under the Multiple Environmental and Anthropogenic Stressors	Takafumi Hirata
12	15	1209	Activities of the ICES-PICES-PAME working group on Integrated Ecosystem Assessment for the Central Arctic Ocean (WGICA)	Sei-Ichi Saitoh
13				
14				
15				

add lines if necessary

Posters	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	10	1254	Decomposition of phthalates and campylobacter in the deep-marine halophilic bacteria Halomonas titanicae and the	Mizuki Igami et al. Oceanospirillales
2	10	1049	Sea ice melt timing and ammonium concentration can alter autumn phytoplankton composition in the Arctic	Kehei Matsuno
3	10	1050	Biological food webs of Calanus glacialis in the Pacific sector of the Arctic Ocean during summer	Mitami Shikata
4	10	1027	Spatial shifts in fish and zooplankton abundance and distribution in coastal areas of High-Arctic fjords	Victor Gonzalez
5	10			
6	10			
7	10			
8	10			
9	10			
10	10			

add lines if necessary

Sessions should not be concurrent

A session to be held prior to your session number :

Session number :



ISAR7 Marine Ecosystems

Session Chair:
 Atsushi Yamaguchi

S4 Synoptic Arctic Survey – international collaboration for Arctic Ocean transdisciplinary studies

Please fill in the areas marked in yellow.

Session Presentation

Number of presenter (15 min presentation and 5 min Q&A) allowed: 1

	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	20	1047	Taking the Pulse of the Arctic Ocean System, from the Shelves to the Pole—A US Contribution to the International Synoptic Arctic Survey Program	C. Ashjian*, J. Grebmeier, N. Bates, R. Campbell, L. Cooper, S. Danielson, L. Juranek, E. Labunski, C. Magen, S. Moore, C. Pilskaln, and M.-L. Timmermans

Draft Session program

Number of slots (90 min) allowed: 2

Chairperson(s)

Jacqueline Grebmeier

On-site attendee who takes care of the session (If in case the chairperson participates by online.)

Shigeto Nishino

Orals	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	20	1058	Into the deep Central Arctic Ocean – results from the Nansen Legacy Arctic Basin expedition 2021	A. Fransson*, M. Chierici, B. Bluhm, and M. Reigstad
2	20	1080	Advancing knowledge on the present Arctic Ocean by chemical-physical, biogeochemical and biological observations to predict the future changes (CASSANDRA)	M. Azzaro*, M. Bensi, G. Civitarese, M. Giani, A. Lo Giudice, F. Becherini, D. Borme, W.R.L. Cairns, D.M. Cappelletti, C. Caroppo, G. Caruso, F. Cerino, A. Cosenza, C. De Vittor, F. Decembrini, T. Diociaiuti, E. Federici, M. Feltracco, I. Gandolfi, V. Kovacevic, R. La Ferla, A. Lupi, G. Maimone, P. Mansutti, M. Mazzola, S. Miserocchi, M. Monti, M. Papale, L. Patrolocco, A.C. Rappazzo, F. Relitti, C. Rizzo, F. Spataro, V. Tirelli, C. Turetta, L. Urbini, L. Ursella and V. Vitale
3	20	1137	Overview of the R/V Mirai Arctic Ocean cruise in 2022	Motoyo Itoh*, Jonaotaro Onodeara, Mariko Hatta, Shigeto Nishino, Amane Fujiwara, Eiji Watanabe, Akihiko Murata, and Takashi Kikuchi
4	20	1079	Benthic Studies during the 2022 US Synoptic Arctic Survey	J. Grebmeier*, L. Cooper, C. Goethel, B. Marx, C. Gaffey, J. Silberberg and M. Tepper-Rasmussen

Chairperson(s)

Michiyo Yamamoto-Kawai

On-site attendee who takes care of the session (If in case the chairperson participates by online.)

Shigeto Nishino

Orals	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	20	1072	Seasonal and interannual variability in the surface fCO ₂ of the Barents Sea and adjacent high-latitude North Atlantic	Y. Ericson*, A. Fransson, M. Chierici, E. Jones, Ingunn Skjelvan, Are Olsen, and Abdir Omar
2	20	1022	Surface microplastic concentrations and water-column microplastic inventories in the Chukchi Sea, western Arctic Ocean	T. Ikenoue*, R. Nakajima, A. Fujiwara, J. Onodera, M. Itoh, J. Toyoshima, E. Watanabe, A. Murata, S. Nishino and T. Kikuchi
3	20	1008	Shrink of an ocean gyre in the Pacific Arctic and Atlantification open a door of shadow zone	S. Nishino*, J. Jung, K.-H. Cho, W. J. Williams, A. Fujiwara, A. Murata, M. Itoh, M. Aoyama, M. Yamamoto-Kawai, T. Kikuchi, E. J. Yang and S.-H. Kang
4	20	1201	Temporal changes in radiocesium in the Arctic Ocean and the northwestern North Pacific Ocean by 2020	Y. Kumamoto*, Y. Hamajima, S. Nishino, M. Inoue, A. Murata, and T. Kikuchi

add lines if necessary

Posters	Length of presentation (min)	Abstract ID	Title	Presenting Author
1	—	1074	Spatial and temporal variations of surface seawater carbonate properties in the western Arctic Ocean: Results from the R/V Mirai observations	A. Murata* and S. Nishino
2	—	1296	Seasonal variation in nutrient concentration of the Pacific-origin water from the Chukchi Sea to the Canada Basin	M. Yamamoto-Kawai* and M. Itoh

add lines if necessary

Sessions should not be concurrently held

Session number : **R2 (Ocean and Sea Ice), R6 (Marine Ecosystems), S12 (International Governance of the Central Arctic Ocean: Science, Indigenous Knowledge, and t**

A session to be held prior to your session

Session number :



ISAR4 Synoptic Arctic Survey

Session Chair: Shigeto Nishino