

9:30	[Opening Address] M. Aota (Chair, Okhotsk Sea & Cold Ocean Res. Association)	
9:40	[Keynote Address] The census of marine life and the Arctic Ocean: V. Alexander (Univ. of Alaska, USA)	
10:10	BREAK	
	[A: Animals & Fisheries, Okhotsk Sea] Chair: T. Nishiyama (Hokkaido Tokai Univ.)	
10:20	A-1 Seasonal variation of zooplankton at adjacent water of the Okhotsk Tower off Mombetsu in the coastal water of the Okhotsk Sea in 2003: S. Hamaoka (Mombetsu Municipal Office)	
10:40	A-2 Relationship between the increase of homed chum salmon resources in autumn of 2003 and the oceanographic environment of the Okhotsk Sea after sea ice retreated in spring of 2000: I. Shimizu (Ntl. Salmon Resources Center)	
11:00	A-3 Trophic structure of the marine food web in a nearshore zone on the Okhotsk coast of northern Hokkaido, Japan as traced by ^{13}C and ^{15}N : T. Hiwatari, H. Koshikawa (Ntl. Inst. for Environmental Studies), R. Nagata (Okhotsk Garinko Tower), Y. Suda (Ntl. Fisheries Univ.), S. Hamaoka (Mombetsu Municipal Office), K. Kohata and M. Watanabe (Ntl. Inst. for Environmental Studies)	
11:20	A-4 Revision of the ichthyofauna of reflective sandy beach on the Okhotsk coast of northern Hokkaido, Japan, with notes on the food habits of some fish: Y. Suda, S. Shiino (Ntl. Fisheries Univ.), R. Nagata (Okhotsk Garinko Tower), T. Fuzawa (Ntl. Fisheries Univ.), T. Hiwatari, K. Kohata (Ntl. Inst. for Environmental Studies), S. Hamaoka (Mombetsu Municipal Office) and M. Watanabe (Ntl. Inst. for Environmental Studies)	
12:00	LUNCH	
13:30	[On Northern People] <i>(in Japanese language only)</i>	Chair: T. Yoshikawa
	Trade of Ainu and Indigenous Peoples in the North Pacific Rim: K. Otsuka (Ntl. Museum of Ethnology)	
	Cultural exchange at Ise Jingu between northern and southern region in Japan -Especially wisdom for healthy longevity-: S. Kawai (Jingu Chokokan Museum & Jingu Agriculture Museum)	
18:00	Evening Session	< Hotel Okhotsk Palace >
18:30	White Concert	<Sea Ice Museum>

	[B: Okhotsk Sea, Remote Sensing] Chair: Y. Nagata (Emer. Prof., The Univ. of Tokyo)
10:20	B-1 Numerical study of tidal impacts on sea ice in the Sea of Okhotsk: G. Sagawa, H. Yamaguchi and F. Duan (The Univ. of Tokyo)
10:40	B-2 POM-based numerical simulation of the Sea of Okhotsk: K. Hino, H. Yamaguchi, F. Duan, G. Sagawa and T. Komura (The Univ. of Tokyo)
11:00	B-3 An algorithm for detection and classification of sea ice in the Okhotsk Sea with satellite active and passive microwave data: D.V. Darkin, L.M. Mitnik and V.A. Dubina (V.I.Ilichev Pacific Oceanological Inst., Russia)
11:20	B-4 New ice formation in the Okhotsk Sea: Detection with ERS-2 SAR and Envisar ASAR: L.M. Mitnik, V.A. Dubina and D.V. Darkin (V.I.Ilichev Pacific Oceanological Inst., Russia)
12:00	LUNCH
	[C: Remote Sensing, Sea Ice, Okhotsk Sea] Chair: T. Hiwatari (Ntl. Inst. for Environmental Studies)
13:00	C-1 Modeling internal structure of sea ice in the south Sea of Okhotsk for observing thickness of deformed ice using a ship-borne electro-magnetic inductive sensor: S. Uto, H. Shimoda (Ntl. Maritime Res. Inst.), K. Tateyama (Kitami Inst. of Technology), T. Toyota and K. Shirasawa (Hokkaido Univ.)
13:20	C-2 Coastal fast ice thickness in the Sea of Okhotsk: Observations and modelling: K. Shirasawa (Hokkaido Univ.), M. Leppäranta (Univ. of Helsinki, Finland), T. Saloranta (Norsk Inst. för Vannforskning, Norway), T. Kawamura (Hokkaido Univ.), A. Polomoshnov and G. Surkov (JSC "Sakhalin Projects", Russia)
13:40	C-3 An experimental study of the effects of crude oil and different nutrient additions on the arctic sea ice biota: J. Ikävalko (Univ. of Helsinki, Finland) and B. Gerdes (Alfred-Wegener-Inst. for Polar & Marine Res., Germany)
14:00	C-4 Ice floe distribution in the Sea of Okhotsk in the period when sea-ice extent is advancing: J. Inoue (Inst. of Observational Res. for Global Change), M. Wakatsuchi and Y. Fujiyoshi (Hokkaido Univ.)
14:20	C-5 Application of aerosondes to high-resolution observations of sea surface temperature over Barrow Canyon: J. Inoue (Inst. of Observational Res. for Global Change) and J.A. Curry (Georgia Inst. of Technology, USA)
14:40	BREAK
	Chair: K. Shirasawa (Hokkaido Univ.)
14:50	C-6 Introduction of JMA's sea ice analysis by using microwave data: H. Kaneko, Y. Katayama and K. Hamada (Japan Meteorological Agency)
15:10	C-7 The effect of sea-ice growth on CO ₂ exchange between the sea and the overlying air on the basis of experiment in the low-temperature room: D. Nomura, H. Yoshikawa-Inoue and T. Toyota (Hokkaido Univ.)
15:30	C-8 Interannual variability of the dissolved oxygen and inorganic carbon in the Kuril Basin of the Okhotsk Sea: A.G. Andreev and V.I. Baturina (Pacific Oceanological Inst., Russia)
15:50	C-9 Increases in calcium and total alkalinity in the Anadyr Bay (Bering Sea) and western Chukchi Sea: A.G. Andreev (Pacific Oceanological Inst., Russia) and C.A. Chen (Ntl. Sun Yat- Sen Univ., Taiwan)
16:10	C-10 Interannual variability of ice cover and spring thermal conditions in the Okhotsk Sea and adjacent areas: E.I. Ustinova and Y.D. Sorokin (Pacific Fisheries Res. Centre, Russia)
16:30	C-11 Spectroellipsometric technology for the remote ecological monitoring of the aquatic environment: F.A. Mkrtychyan, V.F. Krapivin, V.I. Kovalev, V.V. Klimov, A.I. Rukovishnikov and S.P. Golovachev (Inst. of Radioengineering & Electronics, Russia)
18:00	Evening Session < Hotel Okhotsk Palace >
18:30	White Concert <Sea Ice Museum>

9:30	<p>[Forum: Our Home Sea] <i>(in Japanese language only)</i> Chair: H. Maruyama (Hokkaido Abashiri Fisheries Experimental Station)</p> <p>Ecology and status of Hokkaido salmon: M. Nagata (Hokkaido Fish Hatchery)</p> <p>Sea farming of sea cucumber <i>Apostichopus Japonicus</i>: K. Nakajima (Hokkaido Wakkanai Fisheries Experimental Station)</p>
12:00	LUNCH
	<p>[D: Seals] <i>(in Japanese language only)</i> Chair: S. Hamaoka (Mombetsu Municipal Office)</p>
14:10	<p>D-1 Summary of blood examination data on the spotted seals <i>Phoca largha</i> and the ringed seals <i>Phoca hispida</i> in the Okhotsk Tokkari Center: S. Hara and Y. Hirosaki (Aquatic Wildlife Breeding Center)</p>
14:30	<p>D-2 Relationship between the food intakes of ringed seal pups <i>Phoca hispida</i> and changes in their weights: M. Takaishi and Y. Hirosaki (Aquatic Wildlife Breeding Center)</p>
14:50	<p>D-3 Feeding reaction of three kinds of seals under protection to each mince of krill, fish and shellfish: S. Nishi and Y. Hirosaki (Aquatic Wildlife Breeding Center)</p>
15:10	<p>D-4 Changes in blood constituent values of the seals under protection: A. Kanno and Y. Hirosaki (Aquatic Wildlife Breeding Center)</p>
15:30	BREAK
15:40	<p>[Open Forum – Our Seal “Tama-chan”] <i>(in Japanese language only)</i> by Tama-chan Watching Society Chair: Y. Hirosaki (Aquatic Wildlife Breeding Center)</p>
16:40	Closing Address
18:00	Dinner Party for friendship between Scientists & Volunteers <Restaurant ‘Kura’ >

9:30	<p>[E: Sea Ice, Okhotsk Sea, Engineering] Chair: Y. Nagata (Emer. Prof., The Univ. of Tokyo)</p> <p>E-1 Relationship between large-scale climatic anomalies in the Asian Pacific, Amur River discharge, and Okhotsk Sea ice extend: V.I. Ponomarev, N.I. Rudykh, A. Salomatin and D. Kaplunenko (Pacific Oceanological Inst., Russia)</p> <p>E-2 Theory and experiments on pancake ice formation: H.H. Shen, S.F. Ackley (Clarkson Univ., USA), M. Dai (NSIDC, USA) and M.A. Hopkins (US Army Cold Regions Res. & Engineering Laboratory, USA)</p> <p>E-3 Study on spectral reflectance of sea ice in Bohai Sea, China: W. Gu, N. Li and F. Xie (Beijing Normal Univ., China)</p> <p>E-4 Study on the reserves of sea ice as a fresh water resource, -Area estimation of sea ice and its temporal and special characteristics in Bohai Sea of China: N. Li, W. Gu, P. Shi and F. Xie (Beijing Normal Univ., China)</p>
10:50	<p style="text-align: right;">Chair: S. Narita (Japanese Society of Snow and Ice)</p> <p>E-5 Methane anomalies along eastern shelf and slope of Sakhalin Island (Okhotsk Sea): R. Shakirov (Kitami Inst. of Technology), A. Obzhurov (V.I.II'ichev Pacific Oceanological Inst., Russia), V. Terekhova (Kitami Inst. of Technology) and N. Biebow (Alfred Wegener Inst. für Polar- und Meeresforschung, Germany)</p> <p>E-6 Regularity of methane distribution in water column of the Okhotsk Sea (from 1984 to 2004): A. Obzhurov, A. Salyuk (V.I.II'ichev Pacific Oceanological Inst., Russia), R. Shakirov, H. Shoji (Kitami Inst. of Technology), Y.K. Jin (Korea Polar Res. Inst., Korea), W. Dullo (IFM-GEOMAR Res. Center, Germany), N. Biebow (Alfred Wegener Inst. für Polar- und Meeresforschung, Germany), A. Ageev, N. Pestrikova (V.I.II'ichev Pacific Oceanological Inst., Russia) and K. Wallmann (IFM-GEOMAR Res. Center, Germany)</p> <p>E-7 Criteria of winters severity for northern Sakhalin: A. Polomoshnov and G. Surkov (JSC "Sakhalin Projects", Russia)</p> <p>E-8 The optimum design of a pier with cone in ice covered seas, Part 1 : Experimental study of cylindrical model with 60 ° cone: T. Miyajima (Nihon Univ.), K. Sato (Technical Center of Taisei Corporation, Ltd.), N. Yashima (Ceramic House. Ltd.), M. Nakanishi and H. Adachi (Nihon Univ.)</p> <p>E-9 Problems of probabilistic simulation of an underwater pipeline track under impact of drifting hummocks offshore Sakhalin Island: A.T. Bekker and O.A. Sabodash (Far-Eastern State Technical Univ., Russia)</p>
12:30	LUNCH
13:00	<p>[Open Forum: Oil Pollution] (in Japanese language only) Chair: S. Goto (Rissho Univ.) and S. Ono (Hokkai Minyu News)</p>
14:50	BREAK
15:00	<p>[F: Oil Spill, Disaster] Chair: S. Goto (Rissho Univ.)</p> <p>F-1 Laboratory experiment on separating oil which trapped under pack ice: H. Kondo (Hokkaido Univ.), N. Otsuka (North Japan Port Consultants Co., Ltd.), R. Ishikawa and H. Saeki (Hokkaido Univ.)</p> <p>F-2 Soil deformation within the seabed due to ice-scouring: R. Ishikawa (Hokkaido Univ.), S. Kioka, A. Kubouchi (Civil Engineering Res. Inst. of Hokkaido) and H. Saeki (Hokkaido Univ.)</p> <p>F-3 Characteristics of spilled oil on marine Osaka accident: N. Otsuka (North Japan Port Consultants Co., Ltd.), S. Hamada (Geological Survey of Hokkaido), S. Takahashi (Nishimura-Gumi Co., Ltd.), H. Kondo, R. Ishikawa and H. Saeki (Hokkaido Univ.)</p> <p>F-4 On the numerical analysis of flow around ice piece moving near icebreaker hull: A. Konno, M. Kawakita, A. Yoshikawa and A. Mizuno (Kogakuin Univ.)</p> <p>F-5 A discussion of one of the large natural disasters to have occurred in northern Japan in 2004, and the efficacy of the disaster prevention and recovery measures taken: H. Sakurai, K. Okada (Kitami Inst. of Technology) and N. Saeki (Hokkaido Univ.)</p>
16:40	Closing Address Place: 1F 『Garinko』
18:00	Dinner Party for friendship between Scientists & Volunteers <Restaurant 『Kura』 >

Poster Session

- P-1** Near-shore zooplankton characteristics of northern part of Aniva Bay in ice-free period of 2003:
I.B. Piskunov (Sakhalin Res. Inst. of Fisheries & Oceanography, Russia)
- P-2** Wave influence on macrobenthos structural characteristics of north-eastern Sakhalin Shelf:
V.S. Labay (Sakhalin Res. Inst. of Fisheries and Oceanography, Russia)
- P-3** Results of joint Russian-Japan investigations conducted in Pacific waters off Southern Kuril Islands and Hokkaido Island in 1999 (macroplankton, ichthyoplankton):
I.A. Nemchinova and
I.N. Moukhametov (Sakhalin Res. Inst. of Fisheries & Oceanography, Russia)
- P-4** Characteristics of biota and its environment on the Okhotsk Sea shelf along northeastern Sakhalin:
N.V. Pecheneva, V.S. Labay, I.B. Piskunov, P.K. Polupanov, T.G. Koreneva, O.N. Moukhametova, A.V. Polteva, N.V. Konovalova, N.G. Storozhuk and
D.A. Shirokov (Sakhalin Res. Inst. of Fisheries & Oceanography, Russia)
- P-5** The Pteropods of the Okhotsk Sea: biomass, abundance, stock:
A.F. Volkov (Pacific Fisheries Res. Centre, Russia)
- P-6** Modern data about the structure of stages and feeding of mature pollack in Okhotsk Sea during the spring period:
K.M. Gorbatenko and A.E. Lazhentsev (Pacific Fisheries Res. Centre, Russia)
- P-7** The comparative characteristic of pollack *Theragra chalcogramma* (Pallas) in connection to abiotic and biotic conditions of the Okhotsk Sea:
L.M. Zverkova (Russian Federal Res. Inst. of Fisheries & Oceanography, Russia) and
I.Y. Bragina (Sakhalin Res. Inst. of Fishing & Oceanography, Russia)
- P-8** Pacific saury migrations in the areas of the Kuril Islands and the Sea of Okhotsk:
V.N. Filatov (Pacific Fisheries Res. Centre, Russia)
- P-9** Investigation of the sea level fluctuations in the Yuzhno-Kuril'skaya Bay:
P. D. Kovalev (Inst. of Marine Geology & Geophysics, Russia),
G.V. Shevchenko (Sakhalin Res. Inst. of Fishery & Oceanography, Russia) and
D.P. Kovalev (Inst. of Marine Geology & Geophysics, Russia)
- P-10** The tidal front on example of the Okhotsk and White Seas:
V.R. Foux and R.I. May (St. Petersburg State Univ., Russia)
- P-11** Surface currents in the Gulf of Shelikhov in the winter:
M.M. Shutova and L.P. Yakunin (The Far- Eastern State Univ., Russia)
- P-12** Tide and wind induced sea-ice drift and ice cover deformations in the vicinity of the Molikpaq drilling platform, northeastern Sakhalin:
V. Tambovsky (Environmental Company of Sakhalin, Ltd., Russia),
P. Truskov (Sakhalin Energy Investment Company, Ltd., Russia) and
G. Shevchenko (Sakhalin Res. Inst. of Fishing & Oceanography, Russia)
- P-13** Reorganizations of atmosphere regime over the Far Eastern Seas occurred in 2000-2003:
S.Y. Glebova (Pacific Res. Fisheries Centre, Russia)
- P-14** Okhotsk Sea SST spatial structure analyzing and SST forecasting based on the satellite data:
G. Novinenko and G. Shevchenko (Sakhalin Res. Inst. of Fishery & Oceanography, Russia)
- P-15** Seasonal variations of surface circulation in the Okhotsk Sea from Topex/Poseidon satellite altimetry data:
G. Shevchenko (Sakhalin Res. Inst. of Fishery & Oceanography, Russia) and
A. Romanov (All-Russia Res. & Design Inst. for Economics, Russia)
- P-16** Statistical research of conditions Japan sea ice cover:
A.N. Chetyrbotsky (Far East Geological Inst. DVO of the Russian Academy of Science, Russia)
- P-17** Estimation of influence of a hotbed effect on of conditions Japan sea ice cover:
A.N. Chetyrbotsky (Far East Geological Inst. DVO of the Russian Academy of Science, Russia)
- P-18** Coastal seabird community structures in the Sea of Okhotsk during spring and fall:
Preliminary findings from 7 seasons of fieldwork:
F. Huettmann (Univ. of Alaska, USA) and J. Kotzerka (Univ. of Kiel, Germany)