

Hokkaido University Sustainability Week 2011

The 2nd International Meeting of Amur-Okhotsk Consortium 2011

-Towards the sharing of environmental data in the Pan Okhotsk region-

Date: November 5 (Sat) – 6 (Sun), 2011

Place: Hokkaido University Conference Hall, Sapporo, JAPAN

Hosted by:

Institute of Low Temperature Science, Hokkaido University
Slavic Research Center, Hokkaido University
New Energy Resources Research Center, Kitami Institute of Technology
Research Institute for Humanity and Nature

Co-hosted by:

Hokkaido University Global COE program “Reshaping Japan’s Border Studies”
Hokkaido Regional Development Bureau
Hokkaido Institute of Environmental Studies
Hokkaido Fisheries Environmental Center

Sponsored by:

Mitsui & Co., Ltd. Environment Fund
Hokkaido University Grants for the Promotion of Inter-University Exchange

Official symposium languages: Russian, Chinese and Japanese
(Simultaneous translations between the languages will be provided)

Objectives:

The Sea of Okhotsk is known as one of the bountiful oceans in the world with the highest productivity and biodiversity. However, the Sea of Okhotsk has some risk to be affected by the climate change and the rapid development in the Amur River Basin. In order to prevent this problem, a multilateral researchers’ network entitled “The Amur-Okhotsk Consortium” has been established in November, 2009, not only with Japan and Russia which share the Sea of Okhotsk but also with China and Mongolia which can affect the Sea of Okhotsk through the Amur River. This is the 2nd international meeting of this consortium. The objective of this meeting is to discuss how to preserve the shared heritage of cross-border environment, and how to pass it on to the next generation by academic perspectives with the participation of general public and students.

Sessions:

1. Environments in the Amur River basin and their changes
 2. Environments in the Sea of Okhotsk and their changes
 3. Accident of Fukushima Daiichi Nuclear Power Plant and its impacts to the marine environment
 4. Socio-economical analyses on the Amur-Okhotsk region
 5. International cooperation for environmental conservation in the Pan Okhotsk region
- General discussion: Towards the sharing of environmental data in the Pan Okhotsk region

Organizing Committee:

[Chief]

Prof. Naoto Ebuchi, Pan-Okhotsk Research Center, Institute of Low Temperature Science, Hokkaido University

[Members]

Assoc. Prof. Takayuki Shiraiwa, Institute of Low Temperature Science, Hokkaido University

Prof. Shinichiro Tabata, Slavic Research Center, Hokkaido University

Prof. Akihiro Iwashita, Slavic Research Center, Hokkaido University

Dr. Yasunori Hanamatsu, Slavic Research Center, Hokkaido University

Prof. Hitoshi Shoji, New Energy Resources Research Center, Kitami Inst. Technology

Prof. Makoto Taniguchi, Research Institute for Humanity and Nature

Prof. Kenichi Abe, Research Institute for Humanity and Nature

Assis. Prof. Aysun Uyar, Research Institute for Humanity and Nature

Mr. Satoshi Dohi, Hokkaido Regional Development Bureau

Ms. Naoko Ayuta, Hokkaido Regional Development Bureau

Mr. Ryuji Fukuyama, Hokkaido Research Organization, Institute of Environmental Science

Mr. Izumi Noguchi, Hokkaido Research Organization, Institute of Environmental Science

Dr. Takeo Onishi, Faculty of Applied Biological Sciences, Gifu University

Mr. Kiyoshi Ishikawa, Hokkaido Fisheries Environmental Center

Mr. Naoki Fujitani, Hokkaido Fisheries Environmental Center

Ms. Kotono Shinohara, Office of the Amur-Okhotsk Consortium

Program

November 5 (Sat), 2011-----

10:00-10:10 Opening address by **Takeo Hondoh**, Executive and Vice-President, Hokkaido Univ.

10:10-10:15 Address by Japanese secretariat, **Naoto Ebuchi**, Head of Pan Okhotsk Research Center, ILTS, Hokkaido Univ.

10:15-10:25 Background and outline by **Takayuki Shiraiwa**, ILTS, Hokkaido Univ.

Session 1: Environments in the Amur River basin and their changes

Convener: **Seiya Nagao** (Institute of Nature and Environmental Technology, Kanazawa Univ.)

10:25-10:50 **Irina Dugina** (Far Eastern Administration of Hydrology and Environmental Monitoring, Russia)
"The state hydrological and hydrochemical monitoring in the Russian part of Amur River basin"

10:50-11:15 **Oyunbaatar Dambaravjaa** (Institute of Meteorology and Hydrology, Mongolia)
"Water resources and hydrology and some socio-economical and environmental aspects in the Kherlen river basin"

11:15-11:40 **Vladimir Shamov** (PGI/FEBRAS, Russia)
"Recent Climate Change in the Amur Basin and Its Feasible Effect on Riverine Iron Behavior"

- 11:40-12:05 **Liubov Kondratyeva** (IWEP/FEBRAS, Russia)
“Pollution of the Amur River during an ice cover: primary factors of ecological risk”
- 12:05-12:30 **Xin Chen and Bin Huang** (Institute of Applied Ecology, Chinese Academy of Sciences, China)
“Ecological co-management of water and nutrients in natural and cultivated wetlands of Sanjiang Plain”
- 12:30-12:55 **Takeo Onishi** (Gifu Univ.)
“Mechanism of dissolved iron production and transport in the Amur River basin; What is clarified and what is still unresolved?”
- 12:55-14:30 Lunch

Session 2: Environments in the Sea of Okhotsk and their changes

Convener: **Hitoshi Shoji** (New Energy Resources Research Center, Kitami Inst. Technology)

- 14:30-14:55 **Jun Nishioka** (ILTS, Hokkaido Univ.), **Yuri N. Volkov, and Alexei Scherbinin** (Far Eastern Regional Hydrometeorological Research Institute, Russia)
“Pivotal roles of sea ice in biogeochemical processes in the Sea of Okhotsk”
- 14:55-15:20 **Igor Minervin** (Sakhalin State Univ, Russia)
“Monitoring of ice conditions in the Sea of Okhotsk as a factor for preventing ecological risks connected with oil and gas projects”
- 15:20-15:45 **Evgeny Karasev** (Far Eastern Regional Hydrometeorological Research Institute, Russia)
“Monitoring of ecological conditions of the Far East seas”
- 15:45-16:15 Coffee break

Session 3: Accident of Fukushima Daiichi Nuclear Power Plant and its impacts to the marine environment

Convener: **Kenichi Abe** (Research Institute for Humanity and Nature)

- 16:15-16:40 **Motoyoshi Ikeda** (Professor Emeritus, Hokkaido Univ.)
“Coordinated efforts among ocean science expertise to explore and solve marine pollutions caused by M9 Earthquake”
- 16:40-17:05 **Ryuji Fukuyama** (Hokkaido Research Organization, Institute of Environmental Science)
“Results of the monitoring data of radioactive materials in the coastal waters around Hokkaido”
- 17:05-17:30 **Tetsuo Yasutaka** (The National Institute of Advanced Industrial Science and Technology)
“Distribution, Behavior and Countermeasure Issues of Radioactive Contamination in Soils”
- 17:30-17:55 **Hiroyuki Matsuda** (Yokohama National Univ.)
“Effects of radioactive contamination on fisheries resources and wildlife”
- 19:30-21:30 Banquet in Sapporo Aspen Hotel

November 6 (Sun), 2011-----

Session 4: Socio-economical analyses on the Amur-Okhotsk region

Convener: **Muneoki Yoh** (Faculty of Agriculture, Tokyo Univ. of Agriculture and Technology)

- 09:00-09:25 **Viktor Ermoshin** (PGI /FEBRAS, Russia)
“The New Project "Environmental Criteria and Restrictions in the Programs for Sustainable Nature Management in the Amur River Basin": Main Tasks and Expected Results”
- 09:25-09:50 **Natalia Mishina** (PGI /FEBRAS, Russia)
“Environmental problems in the Russian part of the Amur River Basin: tendencies of last decade and future prospects”
- 09:50-10:15 **Bai Zhang** (Northeast Institute of Geography and Agro-ecology, CAS, China)
“The study of land use change in the Sanjiang Plain of China”
- 10:15-10:35 Coffee break
- 10:35-11:00 **Zhigang Da** (Heilongjiang Provincial Academy of Social Sciences, China)
“The Urgent Tasks for Northeast Asian Countries Confronting with the Challenges of Non-traditional Security--Information Sharing in View of the Ecological Security & Environmental Protection”
- 11:00-11:25 **Anquan Feng** (Heilongjiang Provincial Academy of Social Sciences, China)
“Forest development and utilization of the Russian Far East”
- 11:25-11:50 **Petr Y. Baklanov** (PGI /FEBRAS, Russia)
“New Investment Projects in Natural Resources Management in Amur River Watershed”
- 11:50-12:15 **Susumu Yoshida** (Honorary Chairman, ERINA Economic Research Institute for Northeast Asia)
“Recent features of economic cooperation in Northeast Asia”
- 12:15-13:30 Lunch

Session 5: International cooperation for environmental conservation in the Pan Okhotsk region

Convener: **Shinichiro Tabata** (Slavic Research Center, Hokkaido Univ.)

- 13:30-13:55 **Ken Sik To** (Sakhalin State Univ, Russia)
“Cooperation between the stakeholders as a factor for sustainable development of the Amur-Okhotsk ecosystem”
- 13:55-14:20 **Kiyoshi Ishikawa** (Hokkaido Fisheries Environmental Center)
“The Sakhalin Project and Hokkaido Fishery”
- 14:20-14:45 **Elizabeth Wishnick** (Montclair State Univ., USA, and Weatherhead East Asian Institute, Columbia Univ., USA)
“The Amur River Basin: A Region at Risk? Consequences of the Chemical Spills in the Songhua River and Prospects for Sino-Russian Cooperation”
- 14:45-15:10 **Yasunori Hanamatsu** (SRC, Hokkaido Univ.)
“Regional environmental cooperation and agreements on the conservation of

shared natural resources in other regions”

15:10-15:40 Coffee break

General discussion: Towards the sharing of environmental data in the Pan Okhotsk region

Convener: **Takayuki Shiraiwa** (ILTS, Hokkaido Univ.)

- 15:40-15:55 **Yoshihiro Tachibana** (Mie Univ.)
“How I have developed a close collaboration with Far Eastern Hydrometeorology and Environmental Monitoring since my first visit to Khabarovsk in 1999”
- 15:55-16:10 **Humio Mitsudera** (ILTS, Hokkaido Univ.)
“Collaborative data analysis between FERHRI and ILTS on the Okhotsk Sea data”
- 16:10-17:40 General discussion
- 17:40-18:00 Remarks by consortium secretariats
Russia: **Petr Y. Baklanov** (PGI/FEBRAS)
China: **Zhigang Da** (Heilongjiang Provincial Academy of Social Sciences)
Mongolia: **Oyunbaatar Dambaravjaa** (Institute of Meteorology and Hydrology)
Japan: **Naoto Ebuchi** (ILTS, Hokkaido Univ.)