

New Chairmen in PICES

Governing Council



Dr. Tokio Wada was elected Chairman of the Governing Council in October 2006, at PICES XV in Yokohama, Japan.

Dr. Wada was born in Maizuru, a small coastal town in the western Japan, in 1954. His father and uncles worked in the facilities of the coast guard and marine meteorological observatory, and sea and oceanography were familiar to him from his childhood. Entering Nagasaki University in 1973, he studied fisheries oceanography, marine ecology, and fisheries management. After graduating from university in 1977, he joined the Fisheries Agency of Japan and was assigned to the National Fisheries Research Institute in Kushiro, Hokkaido, as a junior scientist. In those days, the abundance of Japanese sardine was increasing, and a large fishing ground for sardine formed in the waters off Kushiro in every summer. Migration dynamics of the sardine and forecasts of the fishing ground formation were major subjects during his younger days, and became the themes of his doctoral thesis in 1986, supervised by Prof. Syoichi Tanaka, at the Ocean Research Institute of the University of Tokyo.

At the Hokkaido Institute, he also studied the mechanisms of biological production in the Oyashio region off Hokkaido with Dr. Makoto Kashiwai, the second Science Board Chairman of PICES and the recipient of the 2006 Wooster Award. This study expanded to include a comparative study of the ecological structure and trophodynamics of the Oyashio and La Perouse Bank regions, by collaborating with the late Dr. Daniel Ware of Canada, the first PICES Science Board Chairman and the recipient of the 2005 Wooster Award.

Dr. Wada began his career in PICES as a Japanese member of the Fisheries Science Committee (FIS) for the First Annual Meeting of the Organization in 1992, and he remained in this position until the Eighth Annual Meeting in 1998. While serving as a FIS member, he also participated in the Working Group on *Small pelagic fishes* (WG 3) and in the integrated PICES/GLOBEC program on Climate Change and Carrying Capacity of the North Pacific (CCCC Program).

In 1994, Dr. Wada moved to the National Institute of Fisheries Science in Yokohama, where he conducted studies on small pelagic fishes and their fisheries management from a nation-wide point of view. Thereafter he was transferred to the head office of the Fisheries Agency of Japan as a Research Coordinator in 1999. He returned to research briefly in 2002, but moved back to the Fisheries Agency as the Counselor for Research and Development in 2004. With those changes in his positions, his roles in PICES also changed from a player of scientific activities to a planner and/or coordinator of those. He has acted as an advisor for the Japanese delegates (1999–2003) and then as a Japanese National Delegate and Vice-Chairman of PICES (2004–2006). During this period, Dr. Wada emphasized the significance of coastal issues for the Organization because of increased concern for these issues in the member countries, and the importance of involving a wider spectrum of scientists in PICES activities.

His hobby, which most likely developed from the circumstances of his childhood, is to collect literature on ships and maritime history. The history of passenger liners and navigation companies in the first half of the 20th century and chronicles about vessels for scientific research and exploration are his favorite topics. Yokohama, which has been a major port of Japan and has many maritime heritages, is a good place for his hobby.

PICES has now become a well-known and respectable international organization, and its various activities, such as the CCCC Program and the North Pacific Ecosystem Status Report, have greatly contributed to the progress of North Pacific marine science. PICES has occupied a large part of Dr. Wada's career in the last 15 years. It is not too much to say that interchanges with many scientists through the various activities of the Organization have brought up his scientific ability. Therefore, he expects that PICES should not only be a center of marine science in the North Pacific, but also maintain its function as an international forum to foster the scientific experience and skills of young scientists.



Dr. Lev Bocharov was elected Vice-Chairman of the Governing Council in October 2006, at PICES XV in Yokohama, Japan.

Lev was born in 1950 in Crimea (USSR). After graduating from the Far Eastern State University in 1972, he worked at the Management Processes Department of this University. He completed his post-graduate study, supervised by Academician Yury Zolotov, and received his Ph.D. (in Mathematics) from the Far Eastern Branch of the USSR Academy of Sciences in 1978. In 1994, Lev defended his thesis on “The information technology of short-term field forecasting” and became a Doctor of Technical Science. In 1995, he was elected a Corresponding Member of the Russian Academy of Natural Sciences.

Dr. Bocharov is one of the founders and the leading expert of a new scientific direction of the complex analysis and forecasting of system pathology: “the environment – the marine biological objects”. Dr. Bocharov has already published more than 80 scientific papers and monographs covering a wide range of disciplines. His scientific

PICES/GLOBEC Climate Change and Carrying Capacity Program

Dr. Michio J. Kishi was appointed as Co-Chairman of the PICES Climate Change and Carrying Capacity (CCCC) Program in October 2006, at PICES XV in Yokohama, Japan. He has been active on the CCCC/MODEL Task Team since 1996, and served as its Co-Chairman from 1999 through 2002. Since 2001, he has also served as a Japanese representative on the Biological Oceanography Committee (BIO).

interests include the utilization of space and aircraft methods for oceanographic research, hydroacoustics, the development of information databases, marine system simulation and field forecasting for industrial fishery.

Dr. Bocharov has been associated with TINRO-Center for more than 25 years. He started as the Chief of the Mathematical Research Methods Laboratory in 1979, became the Deputy Director on scientific work in 1983, and has been the Director since 1997. Dr. Bocharov also serves as Chairman of the Board of Directors for the Association of Far Eastern Fisheries Scientific Organizations, and Vice-Chairman of the Far Eastern Scientific Production Council. For his achievements, Dr. Bocharov was honoured with the medal “300 Years of the Russian fleet” and “Russian Mark” from the National Fund.

Dr. Bocharov is keen to use his scientific authority and great management skills for the development of scientific cooperation in the North Pacific. He has been deeply involved in PICES since 1994, first representing Russia on the Working Group on *Data collection and quality control* (WG 4) and then on the Technical Committee on Data Exchange (TCODE). In June 1999, Dr. Bocharov was appointed the Head Russian National Delegate and became a member of Governing Council. TINRO-Center, led by Dr. Bocharov, hosted two very memorable PICES Annual Meetings in Vladivostok, PICES VIII in 1999 and PICES XIV in 2005.

Dr. Bocharov is well known as a subtle connoisseur of paintings and antiques. He owns one of the best private paintings and antique bronze collections in Vladivostok. Following the TINRO slogan “*A sound mind is a sound body*”, he is keen on sports, particularly basketball, and actively participates in friendly competitions between the TINRO-Center team and teams of domestic and foreign partners.

Lev enjoys the good fortune of true family happiness. His wife, Irina, is doing her best to protect him from routine problems of everyday life. They have a daughter, Ksenia, and look forward to every meeting with their beloved 3-year-old grandson, Gleb.

Kishi-san was born and raised in Tokyo, a son of a very famous businessman of Japan. Just after World War II, he spent his childhood without any economic difficulties. It was lucky for him that he had no need to earn money and could spend his time studying science! During junior high school and high school, he belonged to the Astronomy Club. Kishi-san received his B.Sc. in Electrical Engineering from Yokohama National University in 1983, his M.Sc. in Geophysics (physical oceanography) from the

University of Tokyo and his Ph.D. in Agriculture (fisheries oceanography), also from the University of Tokyo.

He worked for the Ocean Research Institute of the University of Tokyo from 1989 to 1997, where he was engaged in the study of fisheries oceanography for most of that time. Since September 1997, he has been a Professor in the Faculty of Fisheries Sciences of Hokkaido University. His many students are engaged in marine ecosystem modeling. His recent interest is to understand the structure and function of marine ecosystems and to predict their future states. He studies physical and biological processes in the ocean by using computer simulations of ocean circulation coupled to the dynamics of populations of various biota, ranging from phytoplankton to fish. Kishi-san has published many papers on ecosystem modelling, ranging in scale from coastal regions to the global scale. His role in leading the development and implementation of the ocean ecosystem model, NEMURO (North Pacific Ecosystem Model for Understanding Regional Oceanography), is well-known among PICES scientists. He was the recipient of the 2005 Uda Prize from the Japanese Society of Fisheries Oceanography.

Kishi-san has also worked on the Council of the Oceanographic Society of Japan since 1995, has been an Officer of the Japanese Society of Fisheries Oceanography since 1994, and Vice-President of the International Society for Ecological Modelling from 1996 to 1998. He is a member of the editorial boards of *Ecological Modelling*, *Journal of Marine Systems* and *Journal of Plankton Research*.

Michio's hobby is still astronomy, especially watching the full solar eclipse. In Japan, people like Kishi-san are known as "eclipse addicts". He travels everywhere in the world to watch the eclipse, and he says, "To watch the full solar eclipse is a first priority for me (certainly much more important than attending PICES meetings!)".



Marine Environmental Quality Committee

Dr. Glen Jamieson was elected Chairman of the Marine Environmental Quality Committee (MEQ) in October 2006, at PICES XV in Yokohama, Japan. He was a member of WG 12 on *Crabs and shrimps*, and has represented Canada on the MEQ Committee since 2002. He co-chaired the Study Group on *Ecosystem-based management science and its application to the North Pacific* and is now Co-Chairman of WG 19 on *Ecosystem-based management science and its application to the North Pacific*.

Glen was born and raised in Montreal, Quebec, and was an undergraduate in Agriculture at McGill University (1963–1967) majoring in Entomology. His first exposure to marine science was as a technician of the Fisheries Research Board of Canada (now part of Fisheries and Oceans Canada) at a whaling station in Nova Scotia in 1966, where he collected biological data from harvested fin whales. This exposure led to his M.Sc. (1967–1970) on pinniped vision under Dr. Dean Fisher at the University of British Columbia (UBC). Recognizing that the ecological

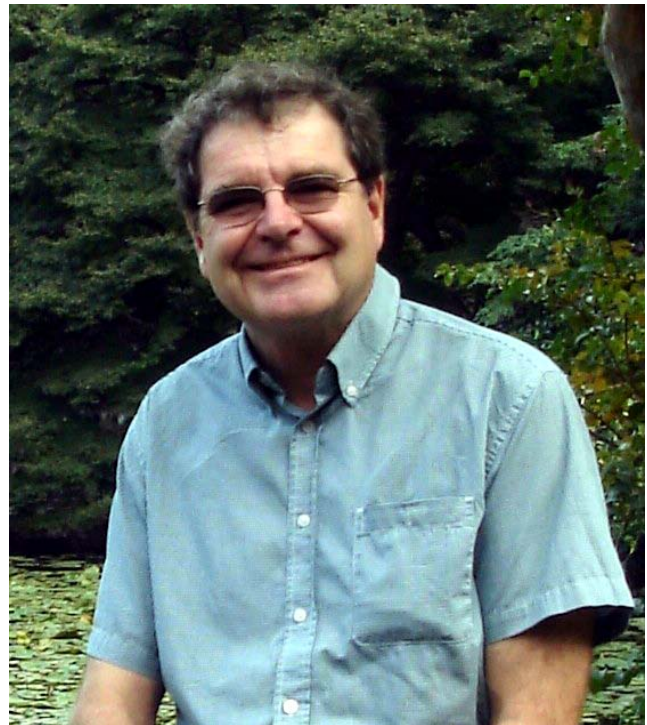
sciences were developing rapidly, he undertook a Ph.D. also at UBC (1970–1973) in Ecological Modelling under Dr. Geoff Scudder, where he studied aquatic insects because of logistic considerations and for an opportunity to participate in UBC's Man and the Biosphere Marion Lake Study.

In 1974, Glen took a Killam Post-doctoral Fellowship at Dalhousie University to work on the population genetics of the American lobster. From 1975–1977, he was a consultant on a variety of marine issues (seaweed and mussel culture, nuclear power plant impacts) in the Maritimes, before joining Fisheries and Oceans Canada in 1977 to provide scientific advice on scallop stocks on Georges Bank, Bay of Fundy, Scotian Shelf and Northumberland Strait. In 1981, he moved to the Pacific Biological Station in Nanaimo (British Columbia), where he was Shellfish Section Head until 1993. During this time, he published on topics that included flying squid and tanner crab experimental fishing, mussel aquaculture, bivalve

zoogeography, larval crustacean dispersal, fishery-induced crab reproductive changes, and herring spawn-on-kelp harvesting. His focus, though, was the population dynamics and larval dispersal of crabs, particularly Dungeness crab. He chaired symposia on stock assessment and management of invertebrates in 1985 and 1995.

In 1994, he moved to the Conservation Biology Section, and since then, has focused his research on regional biogenic habitat, marine protected areas, identification of ecologically significant areas and species, invasive species, and initiatives to support the development of ecosystem approaches to integrated management.

He has published on community initiatives and challenges in balancing conservation with sustainable economic development. He is an avid gardener with the largest collection of tropical rhododendrons (vireyas) in Canada. Glen enjoys showing people the wonders of nature and increasing their awareness of the importance of sustaining a healthy natural environment. He actively encourages young people, in particular, to become involved and to study nature to the best of their abilities.



PICES Interns



PICES offers sincere thanks to **Mr. Pavel Vorobyov** (TINRO-Center, Vladivostok, Russia), the 2006 PICES intern, who completed his term at the Secretariat at the end of October 2006 at PICES XV, and has returned to Russia. We appreciate his dedicated efforts during this past year.

We are pleased to announce that **Mr. Xuewu Guo** from the Yellow Sea Fisheries Research Institute of the Chinese Academy of Fishery Sciences (Qingdao, People's Republic of China) will join the Secretariat in early February as the 2007 PICES Intern. You will have an opportunity to meet him this year at the ICES/PICES Conference for Early Career Scientists on "*New frontiers in marine science*" in Baltimore (U.S.A.), at the PICES Sixteenth Annual Meeting in Victoria (Canada), or at the PICES Secretariat office.

NEW PICES REPORT SERIES

In 2007, PICES started a new Technical Report Series to be published only electronically. The first report in this series entitled "*Metadata Federation of PICES Member Countries*" (Editors: Bernard A. Megrey, S. Allen Macklin, Kimberly Bahl and P. Daniel Klawitter) will be posted on the PICES website by mid-February. The main part of the report includes a detailed description of specific technical instructions and guidance for anyone wishing to join the Federation.

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