

2012 Governing Council decisions

2012/A/1: Auditor

- i. Council accepted the audited accounts for *FY* 2011.
- ii. Council authorized the Executive Secretary to sign a new 3-year contract (for *FYs* 2012-2014) with the current auditor *Flader, Hale & Hughesman*.

2012/A/2: Annual contributions

- i. Council re-iterated that for planning of their funding requests for annual contributions, Contracting Parties should continue to use the guideline generally accepted at PICES-1999 (Decision 1999/A/2(ii)), which states that the annual contributions will increase at the rate of inflation in Canada.
- ii. Council instructed the Executive Secretary to send a letter to the Contracting Parties regarding the need for timely payment of the annual contribution and describing the difficulties that late and/or partial payment causes the Organization.

2012/A/3: Budget and fund-raising

- i. Council accepted the estimated accounts for *FY* 2012.
- ii. Council approved the *FY* 2013 budget of \$850,000. The amount of \$113,620 will be transferred from the Working Capital Fund to balance the budget, setting the total annual contribution at \$736,800, and the 2013 annual fee at \$122,800 per Contracting Party.
- iii. Council approved a transfer from the Working Capital Fund to the Relocation and Home Leave Fund in order to bring the balance of this fund to \$100,000.
- iv. Council approved a transfer from the Working Capital Fund to the Trust Fund to recover the 2012 expenses, and to restore the Trust Fund to the level of \$110,000. This transfer will include \$11,870 from the amount remaining in the PICES-2010 Annual Meeting fund.
- v. Council agreed that the available balance of funds in the Working Capital Fund as of December 31, 2012, from the 2011 Zooplankton Production Symposium and 2012 PICES/ICES Conference for Early Career Scientists be allocated for the development of the PICES integrative science program on “*Forecasting and Understanding Trends, Uncertainty and Responses of North Pacific Ecosystems*” (FUTURE).
- vi. Council approved a lump sum employer contribution of \$20,000 from the *FY* 2013 budget and an additional lump sum payment from a *FY* 2012 surplus in the General Fund to the International Fisheries Commission Pension Plan to pay down unfunded liabilities.

2012/A/4: Future PICES Annual Meetings and 2013 inter-sessional Science Board meeting

- i. Considering that PICES-2012 was the first Annual Meeting for which the structure was in accordance with the entire suite of recommendations by the Study Group on *Restructuring of the PICES Annual Meeting* (SG-RAM), Council decided to discuss the effectiveness of the approved changes in the format of the Annual Meeting at PICES-2013.
- ii. Council approved the theme description, “*Communicating forecasts, uncertainty and consequences of ecosystem change to society*”, for PICES-2013 to be held from October 11-20, 2013, in Nanaimo, British Columbia, Canada.
- iii. Council requested an answer from China by the end of November 2012, regarding its ability to host PICES-2014, and agreed to consider the following options if China is unable to host PICES-2014: (1) asking Korea if it might be prepared to host PICES-2014 and give China the opportunity to host PICES-2015, (2) holding PICES-2014 at the seat of the Secretariat, or (3) merging the FUTURE Open Science Meeting and PICES-2014.
- iv. Assuming that China agrees to host PICES-2014, Council, following the established 6-year rotation cycle, requested Korea to explore the possibility of hosting PICES-2015, and inform the Secretariat on this matter by March 31, 2013.

- v. Council agreed to keep the same registration fee structure for PICES-2013 as for PICES-2010 through PICES-2012:

Type of registration fee	CDN \$
Regular	275
Early	200
Student	50
Spousal/guest	50

- vi. Council approved an inter-sessional Science Board meeting to be held May 20–21, 2013, immediately prior to a 3-day joint PICES/ICES FUTURE-related workshop on “*Global assessment of the implications of climate change on the spatial distribution of fish and fisheries*” to be convened May 22–24, 2013. Both events are to be hosted by Russia in St. Petersburg.

2012/A/5: Twenty-Fifth Anniversary of PICES

Council approved the formation of a planning committee for the twenty-fifth anniversary of PICES, consisting of the Chairman of the Finance and Administration (F&A) Committee, Chairman and Vice-Chairman of Science Board, Executive Secretary, and a representative from each of the Contracting Parties. The group’s responsibility would be to direct the planning of activities, budget and fund-raising for this celebration. Council instructed the F&A Committee Chairman to draft the terms of reference for the group (see *GC Appendix B*).

2012/A/6: PICES Visiting Scientist Program

Council approved the revised description of the PICES Visiting Scientist Program (see *GC Appendix B*) and instructed the Executive Secretary to send a letter to the Contracting Parties, requesting their proposals for contributions to the Program.

2012/A/7: PICES Intern Program

- i. Considering funding currently available for the Intern Program and stated intentions for contributions by Contracting Parties, Council agreed to extend the period of appointment for the 2012 intern, Dr. Zhuojun Ma (China), to a possible maximum of 12 months, and to initiate the process to obtain the 2013 intern, with the understanding that the intern’s term will start no earlier than July 2013. Following the existing rotation cycle, Russia was requested to nominate the intern by January 31, 2013.
- ii. Council instructed the Executive Secretary to invite Contracting Parties to provide voluntary contributions to the Trust Fund to support the Intern Program in 2013 and beyond.

2012/A/8: World Ocean Assessment (UN Regular Process for Global Reporting and Assessment of the State of the Marine Environment)

Council pointed out the importance of facilitating the conduct of the World Ocean Assessment and agreed to:

- (1) encourage individuals in the PICES network to join the *Pool of Experts*, the body from which the *Group of Experts* will select authors and reviewers of the first World Ocean Assessment;
- (2) promote the development of North Pacific workshop(s) to enable incorporation of regional knowledge into the first World Ocean Assessment report;
- (3) consider means by which PICES products are visible in the World Ocean Assessment.

2012/A/9: Improvement of participation in PICES activities

- i. In order to better assess problems existing in Contracting Parties with the participation of their scientists in the activities of the Standing Committees and their subsidiary bodies, and in the Annual Meetings of the Organization, Council instructed the Executive Secretary to continue regularly preparing and circulating to Contracting Parties information on participation of their scientists in the Annual Meetings.
- ii. Council re-iterated the necessity for Contracting Parties to: (1) regularly review their national membership, and to provide the updated national membership list to the Secretariat by the first day of the calendar year (January 1), and (2) follow up on *Rule 1(ii)* of the PICES Rules of Procedure in providing the national delegation list for Annual Meetings.

2012/A/10: Election of Chairman and Vice-Chairman

- i. Dr. Laura Richards (Canada) was unanimously elected as the Chairman of PICES for a 2-year term (2012–2014) to replace Dr. Lev Bocharov (Russia). As Dr. Bocharov will resume his duties as the Russian national delegate, Council agreed that Dr. Tokio Wada (Japan) will continue to serve as the Past-Chairman.
- ii. Dr. Chul Park (Korea) was unanimously elected as the Vice-Chairman of PICES for a 2-year term (2012–2014) to replace Dr. Laura Richards.

2012/A/11: Appointment of F&A Committee Chairman

Dr. John Stein (U.S.A.) was appointed as the Chairman of the F&A Committee for a 2-year term (2012–2014).

2012/A/12: PICES Secretariat

- i. Council extended the term of the Executive Secretary until December 31, 2014;
- ii. Council agreed to consider a complex of issues related to the structure and staffing of the Secretariat at PICES-2013 and, in preparation for this discussion, directed the F&A Chairman to work with the Executive Secretary over the next year to (1) prepare position descriptions for both the Executive Secretary and the Deputy Executive Secretary, (2) develop the process and timeline for staffing the Deputy Executive Secretary position, and (3) review the organizational structure and salary budget of the Secretariat.

2012/S/1: PICES Integrative Science Program, FUTURE

- i. Council approved activities and timelines for FUTURE (FUTURE roadmap) proposed by Science Board, with the addition of a footnote to the suggested timeline of delivering the next edition of the North Pacific Ecosystem Status Report (NPESR-3), stating “under the condition that NPESR-2 is fully completed”.
- ii. Council requested that the Executive Secretary send a letter to the Contracting Parties providing information on planned activities for FUTURE and requesting contributions to these activities, particularly for the 2014 FUTURE Open Science Meeting.

2012/S/2: 2013 PICES Annual Meeting

- i. The following scientific sessions are to be convened at PICES-2013:
 - ¾-day Science Board Symposium on “*Communicating forecasts, uncertainty and consequences of ecosystem change to society*”;
 - 1-day BIO Contributed Paper Session;
 - 1-day BIO/FIS Topic Session on “*Marine ecosystem services and the contribution from marine ecosystems to the economy and human well-being*”;
 - ½-day BIO/FIS/POC Topic Session on “*Are marine ecosystems of the North Pacific becoming more variable?*”;
 - 1-day BIO/FIS/MEQ/TCODE/FUTURE Topic Session on “*Ecosystem indicators to characterize ecosystem responses to multiple stressors in North Pacific marine ecosystems*”;
 - 1-day BIO/POC/MONITOR/TCODE/FUTURE Topic Session on “*Recent trends and future projections of North Pacific climate and ecosystems*”;
 - 1-day FIS Contributed Paper Session;
 - 1-day FIS/FUTURE Topic Session on “*Science needs for offshore oil and gas development in the North Pacific*”;
 - 1-day FIS/TCODE Topic Session on “*Banking on recruitment curves; returns on intellectual investment*”;
 - ½-day MEQ Contributed Paper Session;
 - ½-day MEQ/FUTURE Topic Session on “*Status, trends and effects of pollutants in coastal ecosystems: Implications for wildlife and humans*”;
 - 1-day MONITOR Topic Session on “*Towards the development of low-cost cooperative ocean monitoring networks* [the title was changed to “*Cost-effective, cooperative ocean monitoring*”];

- 1-day POC Contributed Paper Session;
 - 1-day POC Topic Session on “*The changing carbon cycle of North Pacific continental shelves and marginal seas*”.
- ii. The following workshops are to be convened at PICES-2013:
- 1-day PICES/ICES Workshop on “*Comparison of size-based and species based ecosystem models*”;
 - 1-day PICES/ICES Workshop on “*Identifying mechanisms linking physical climate and ecosystem change: Observed indices, hypothesized processes, and "data dreams" for the future*”;
 - 1-day BIO Workshop on “*Marine bird and mammal spatial ecology*”;
 - ½-day MEQ Workshop on “*The economic impacts of harmful algal blooms on fisheries and aquaculture*”;
 - 1-day MEQ Workshop on “*Traditional seafoods of coastal aboriginal communities in the North Pacific: Insight into food, social and ceremonial uses at Snuneymux’w First Nation in Nanaimo, British Columbia*”;
 - 1-day TCODE Workshop on “*Tools, approaches and challenges for accessing and integrating distributed datasets*”;
 - 1-day FUTURE Workshop on “*Evaluating tools for assessment of species vulnerability to anthropogenic climate change*”.
- iii. The following business meetings are to be held at PICES-2013:
- ¼-day Science Board (SB) meeting (October 13) and 1½-day SB meeting (October 18 afternoon and October 19);
 - 1½-hour overture meetings (October 13 evening) and ½-day meetings of Scientific and Technical Committees (October 16 afternoon);
 - 1-day meeting of the SB Section on *Human Dimensions of Marine Systems*;
 - ½-day meeting of the BIO/FIS/POC Section on *Climate Change Effects on Marine Ecosystems*;
 - 1-day meeting of the MEQ Section on *Ecology of Harmful Algal Blooms in the North Pacific*;
 - ½-day meeting of the POC/BIO Section on *Carbon and Climate*;
 - 1-day meeting of the MEQ Working Group on *Non-indigenous Aquatic Species*;
 - 1-day meeting of the BIO Working Group on *Jellyfish Blooms around the North Pacific Rim*;
 - ¾-day meeting of the POC Working Group on *North Pacific Climate Variability and Change*;
 - 1-day meeting of the MEQ/BIO Working Group on *Development of Ecosystem Indicators to Characterize Ecosystem Responses to Multiple Stressors*;
 - ½-day meeting of the POC Working Group on *Regional Climate Modeling*;
 - 1-day meeting of the BIO Advisory Panel on *Marine Birds and Mammals*;
 - ½-day meeting of the POC/MONITOR Advisory Panel for a *CREAMS/PICES Program in East Asian Marginal Seas*;
 - ½-day meeting of the MONITOR Advisory Panel on the *Continuous Plankton Recorder Survey in the North Pacific*;
 - 1-day meeting of the MEQ Study Group on *Marine Pollutants*;
 - ½-day concurrent meetings of the FUTURE Advisory Panels on *Anthropogenic Influences on Coastal Ecosystems, Climate, Oceanographic Variability and Ecosystems* and *Status, Outlooks, Forecasts, and Engagement*, preceded by a ½-day joint meeting of these Panels.

2012/S/3: Inter-sessional symposia/sessions/workshops/meetings

The following inter-sessional events are to be convened/co-sponsored in 2013 and beyond:

- i. Symposia/conferences:
- International Symposium on “*Climate variability and change on marine resources and fisheries: Toward a South Pacific Integrated Ecosystem Studies Program (SPICES)*”, January 7–10, 2013, Concepción, Chile (co-sponsored by PICES);
 - IMBER IMBIZO III on “*The future of marine biogeochemistry, ecosystems and societies: Multi-dimensional approaches to the challenges of global change in continental margins and open ocean systems*”, January 28–31, 2013, Goa, India (co-sponsored by PICES);
 - 4th International Jellyfish Bloom Symposium, June 5–7, 2013, Hiroshima, Japan (co-sponsored by PICES);

- 8th International Conference on Marine Bioinvasions, August 20–22, 2013, Vancouver, Canada (co-sponsored by PICES);
 - 1st FUTURE Open Science Meeting, April 2014, Honolulu, U.S.A.;
 - ICES Symposium on “*Ecological basis of risk analysis for marine ecosystems*”, June 2–6, 2014, Helsinki, Finland (co-sponsored by PICES);
 - 3rd International Symposium on “*Effects of climate change on the world’s oceans*”, spring 2015, Brazil (primary international sponsors: PICES, ICES and IOC).
- ii. Joint Theme Sessions:
- CLIVAR/PICES Theme Session on “*Biophysical interactions*” at the 2nd International Symposium on “*Boundary Current dynamics: Its connection with open-ocean, coastal processes, biophysical interactions and responses to global climate change*”, July 8–13, 2013, Lijiang, China;
 - ICES/PICES Theme Sessions on “*Marine litter*” (Session A), “*Responses of living marine resources to climate change and variability: Learning from the past and projecting the future*” (Session B), “*Do food web dynamics matter in fisheries management?*” (Session E), and “*Identifying mechanisms linking physical climate and ecosystem change: Observed indices, hypothesized processes, and “data dreams” for the future*” (Session M), at the 2013 ICES Annual Science Conference, September 23–27, 2013, Reykjavik, Iceland.
- iii. Workshops and meetings:
- 2-day workshop to exchange views on the idea of developing a scientific focus within PICES on understanding the quantities and distributions of radionuclides in the North Pacific, March 2013, Xiamen, China;
 - 5-day PICES/ICES/GEOHAB workshop on “*Harmful algal blooms in a changing world*”, March 18–22, 2013, Friday Harbor, WA, U.S.A.;
 - 2-day inter-sessional Science Board meeting, May 20–21, 2013, St. Petersburg, Russia;
 - 3-day PICES/ICES workshop on “*Global assessment of the implications of climate change on the spatial distribution of fish and fisheries*”, May 22–24, 2013, St. Petersburg, Russia;
 - 1-day inter-sessional meeting of the Working Group on *Jellyfish Blooms around the North Pacific Rim* prior to the 4th International Jellyfish Bloom Symposium, June 4, 2013, Hiroshima, Japan;
 - 3-day workshop on “*Development and application of Regional Climate Models-II*”, September 3–5, 2013, Busan, Korea.
- iv. Capacity development events:
- PICES Summer School on “*Ocean observing systems and ecosystem monitoring*”, August 19–23, 2013, Hatfield Marine Science Center, Newport, U.S.A.
 - 6th SOLAS Summer School, August 23–September 2, 2013, Xiamen, China (co-sponsored by PICES);
 - NOWPAP/PICES training course on “*Remote sensing data analysis*”, fall 2013, Qingdao, China;
 - 2014 PICES Summer School on “*Ecological modeling*”, August 18–21, 2014, Seoul, Korea.

2012/S/4: Travel and representation at the meetings of other organizations/programs

- i. 2013 PICES Annual Meeting:
- Invited speakers for Science Board Symposium and Topic Sessions, with the normal allocation of approximately \$5,000 per Committee/Program; additional requests are subject to fund availability;
 - One invited speaker for each of the approved workshops (see 2012/S/2(ii)).
- ii. Inter-sessional events:
- PICES representative to participate in the ESSAS (Ecosystem Studies of Sub-Arctic Seas) Annual Meeting on “*Climate Effects on Spatial Dynamics of Sub-Arctic and Arctic Marine Ecosystems*” and the ESSAS Scientific Steering Committee Meeting (January 7–11, 2013, Hakodate, Japan);
 - PICES representative(s) to attend the 22nd Session of IODE (International Oceanographic Data and Information Exchange) of IOC-UNESCO (March 11–15, 2013, Ensenada, Mexico);
 - PICES representative to attend the NPAFC CSRS (Committee on Scientific Research and Statistics) meeting (April 23–24, 2013, Honolulu, U.S.A.);
 - PICES representative to participate in the 27th Session of the IOC (Intergovernmental Oceanographic Commission of UNESCO) Assembly (June 2013, Paris, France);

- PICES representative to give a seminar at the ISC (International Scientific Committee for Tuna and Tuna-like Species) Annual Meeting (July 17–22, 2013, Busan, Korea) focusing on environmental data availability and modeling capabilities and possible techniques for incorporating this information into ISC stock assessments;
- PICES representatives and convenors for the joint Theme Sessions to participate in the ICES Annual Science Conference (September 23–27, 2013, Reykjavik, Iceland);
- PICES representative to attend the SCOR (Scientific Committee on Oceanic Research) Executive Committee Meeting (November 25–28, 2013, New Zealand);
- PICES representative to participate in the 18th NOWPAP (Northwest Pacific Action Plan) Intergovernmental Meeting (TBD).

2012/S/5: Publications

- i. The following publications are to be produced in or submitted to primary journals in 2013:
 - Special issue of *ICES Journal of Marine Science* based on selected papers from the 2nd International Symposium on “*Effects of climate change on the world’s oceans*” to be published in 2013;
 - Special issue of *Progress in Oceanography* on modeling dedicated to Dr. Bernard Megrey (Guest Editors: E. Curchitser and S.I. Ito) to be published in 2013;
 - Special issue of *Progress in Oceanography* based on selected papers from the 2012 Topic Session on “*Advances in understanding the North Pacific Subtropical Frontal Zone ecosystem*” (Guest Editors: T. Ichii, S. McKinnell and M. Seki) to be submitted in 2013;
 - Special issue of *Journal of Fishery Science* based on selected papers from the 2012 Topic Session on “*Social-ecological systems on walley Pollock and other commercial gadids under changing environment: Inter-disciplinary approach*” (Guest Editors: K. Criddle, S. Kim, M. Makino, I. Perry, Y. Sakurai and A. Velikanov) to be submitted in 2013;
 - Review paper in a peer-reviewed journal based on the results from the 2013 PICES/ICES/GEOHAB workshop on “*Harmful algal blooms in a changing world*” to be submitted in 2013;
 - Set of papers in a peer-reviewed journal based on the results from the 2013 PICES/ICES workshop on “*Global assessment of the implications of climate change on the spatial distribution of fish and fisheries*” to be submitted in 2013.
- ii. The following publications are to be produced in the PICES Scientific Report series in 2013:
 - Final Report of the Working Group 21 on *Non-indigenous Aquatic Species* (Editors: D. Smith and T. Therriault);
 - Final Report of the Working Group 23 on *Comparative Ecology of Krill in Coastal and Oceanic Waters Around the Pacific Rim* (Editors: W. Peterson and T. Shaw);
 - Final report of the Working Group 24 on *Environmental Interactions of Marine Aquaculture* (Editors: K. Abo, B. Dumbauld and S. Johnson);
 - Final report of the Study Group on *Marine Pollutants* (Editor: P. Ross);
 - Report of the 2012 GLOBEC/PICES/ICES Workshop on “*Forecasting ecosystem indicators with process-based models*” (Editors: E. Di Lorenzo, A. Miller and S. Minobe);
 - Final report for the Climate Change and Carrying Capacity Program (Editor: H. Batchelder).
- iii. Other publications to be produced in 2013 include:
 - Announcement, poster and Book of Abstracts for PICES-2013 (October 12–21, 2013, Nanaimo, Canada);
 - Two regular issues of PICES Press to be published on the website and distributed electronically in January (Vol. 21, No. 1) and July (Vol. 21, No. 2) of 2013;
 - PICES E-news to be published on the website and distributed electronically (4 issues per year).

2012/S/6: Future of current PICES expert groups

- i. The FIS/MEQ Working Group on *Environmental Interactions of Marine Aquaculture* (WG 24) completed the terms of reference and will be disbanded.
- ii. To allow the development of a proposal for future activities on non-indigenous species within PICES, the life span of the MEQ Working Group on *Non-indigenous Aquatic Species* (WG 21) was extended for 1 year (until October 2013).

- iii. To allow the development of a proposal for future activities on marine pollutants within PICES, the life span of the MEQ Study Group on *Marine Pollutants* (SG-MP) was extended for 1 year (until October 2013).
- iv. Changes in the terms of reference for the MEQ Section on *Ecology of Harmful Algal Blooms in the North Pacific* (S-HAB) are to be discussed at ISB-2013 under the revised MEQ Action Plan.

2012/S/7: New PICES expert groups

Following the process decided by Council at PICES-2012, a Study Group on *Radionuclide Science in the North Pacific Ocean* (SG-RS) was established under the direction of Science Board, with terms of reference as described in *GC Appendix B*.

2012/S/8: Chairmanship and membership for Science Board, Standing Committees and expert groups

- i. To facilitate the continuity of Science Board affairs, Council established a Science Board Chairman-elect position to allow the election of the Chairman of Science Board one year before the official change of the chairmanship (Decision 2006/A/11). Dr. Thomas Therriault (Canada) was unanimously elected for this position.
- ii. The following reflects changes in Chairmanship and Vice-Chairmanship for Standing Committees:
 - Mr. Chuanlin Huo (China) was elected as the Chairman of MEQ to replace Dr. Steven Rumrill (U.S.A.);
 - Ms. Darlene Smith (Canada) was elected as the Vice-Chairman of MEQ to replace Dr. Mitsutaku Makino (Japan);
 - Dr. Phillip Mundy (U.S.A.) was approved as the Chairman of AP-SOFE to replace Mr. Robin Brown (Canada).

2012/S/9: Relations with other organizations and programs

Council approved the revised *Standing List of International and Regional Organizations and Programs* and agreed with the identified priorities for interaction in 2012–2013 (see *GC Appendix B*).

GC Appendix B

PICES 25th Anniversary Planning Committee

The 25th anniversary of the North Pacific Marine Science Organization (PICES) is on the horizon (the 25th Anniversary Annual Meeting will be held in 2016) and is worthy of celebration, reflection and looking forward. PICES was established in 1992 to promote and coordinate marine scientific research in the northern North Pacific and adjacent seas, and has made significant contributions to this mission through its scientific programs and other activities. The 25th Anniversary of PICES provides an important opportunity for the Organization and its member countries to recognize the accomplishments to date and to look forward to the next 25 years.

The formation of a Planning Committee for the 25th Anniversary of PICES was approved at the 2012 PICES Annual Meeting.

Terms of Reference

1. To direct the planning of events, activities and products for the PICES 25th Anniversary year that:
 - a. summarize the scientific accomplishments and advancements to date that are related to marine science in the North Pacific;
 - b. promote and highlight both the scientific importance of PICES accomplishments and associated benefits to member countries;
 - c. provide an opportunity to look forward to future advancements in marine science in the next 25 years.
2. To prepare the budget and plan fund-raising activities for the PICES 25th Anniversary year;
3. To report annually to F&A and GC on progress, with final recommendations and associated financial implications due for presentation at PICES-2014.

Examples of activities and products to be considered include:

- Web products such as: a 25th anniversary photo album highlighting people and events over PICES history, interactive historical timeline of PICES, video of PICES accomplishments, 25 photos that depict 25 years of PICES, *etc.*;
- Publications such as: a 25th anniversary edition of PICES news and a special journal issue that highlights the science advancements of PICES and future of marine science in the North Pacific;
- Events such as: a 25th anniversary gala with invited dignitaries and scientists from PICES history and key partners, including ICES, IOC, SCOR, *etc.*;
- Events in each member country such as lecture series;
- Special scientific sessions at the 25th Anniversary Annual Meeting (PICES-2016) that reflect on the progress in key areas germane to PICES, and a session devoted to the next 25 years of marine science in the North Pacific;
- Development of a 25th anniversary logo that would be on all PICES communications during the anniversary year.

Membership

The membership of the Committee includes: Chairman of the Finance and Administration (F&A) Committee, Chairman and Vice-Chairman of Science Board, Executive Secretary, and a representative from each of the Contracting Parties.

Visiting Scientist Program (approved on October 20, 2012)

Rationale

Scientific activities sponsored and/or conducted by PICES have increased significantly since its inception in 1992, as has its production of scholarly works. Growth was achieved by making efficient use of national contributions and by attracting external funding for PICES activities. In addition, the new PICES FUTURE Scientific Program, which began in 2009, will require a great deal of scientific involvement, oversight, and collaboration in order to be successful. This will involve the need to deliver timely, high quality scientific products to the PICES community and beyond. PICES is seeking ways to enhance the ability of the Organization and the Secretariat to support the increasing demand. Establishing a PICES Visiting Scientist Program will allow national agencies and/or other international science organizations to contribute “in kind” toward achieving PICES goals, and improve the way the Organization functions.

Objectives of the program

- to provide for and enhance collaborative projects among PICES member countries;
- to strengthen the capacity of the Organization to develop and implement projects that have high priority for PICES and member countries, particularly those linked to integrative science programs of PICES;
- to provide professional development of marine scientists and managers from PICES member countries.

Nature of the program

Each visiting scientist (expert) will be made available to PICES through secondments from national agencies and/or other international science organizations. He/she will be given a specific task that is important to PICES and is also in the interests of his/her agency/organization. The secondment should be governed by a mutual agreement developed between PICES and the seconding agency/organization. The agreement spells out the terms of reference for the tasks, responsibilities, duration, as well as the legal terms.

The expert will perform the given task either at the PICES Secretariat, at their home institution, or at an institution of another PICES country that has agreed to host the expert, while the expert remains on the payroll of his/her agency/organization. The expert's agency/organization shall pay the salary, allowances, and

expenses incurred in travel to and from the place of residence and the location of the secondment. Since the expert will continue to be an employee of his agency/organization while working on their collaborative project, his/her expenses relating to taxes, medical and life insurance coverage, and any other benefits to which the expert is entitled, will remain the responsibility of his/her agency/organization.

PICES or the hosting institution shall provide appropriate facilities, including office space and administrative services. Travel expenses associated with the expert's work under the collaborative project will be shared by PICES or the hosting agency and the expert's agency/organization as agreed upon in the MOU.

Qualification

The expert should be an experienced individual (Ph.D. or master's level scientist with over 5 years of post-master's degree experience) with good scientific writing and oral communication skills in English. The particular qualifications will depend on the tasks outlined for the collaborative project.

Duration and starting date

The program will be implemented following approval by the Governing Council and identification of potential tasks by the Science Board. The expert's term will start after approval of the specific MOU. Duration of the term will depend on the specific task. The expert may be onsite for as little as two weeks to as long as visa requirements allow. Applicants may have already identified a host institution or PICES will help identify hosts.

Information required from potential host institutions

Institutions interested in hosting a PICES Visiting Scientist should provide the following information, in a short proposal describing the visiting scientist's term at the host institution:

- Help requested: mentoring in research, technology assistance, teaching, *etc.*
- Term of service desired, including specific dates
- Local subsistence provided
- Language abilities desired
- Plans by the host institution to build on the training received or assistance provided.

Study Group on Radionuclide Science in the North Pacific Ocean (SG-RS)

Parent Committee: Science Board

Duration: 1 year

Terms of Reference (*approved* on October 21, 2012)

1. To convene a workshop in China to provide a forum for exchange of views among scientists on the idea of developing a scientific focus on understanding the quantities and distributions of radionuclides in the North Pacific;
2. To refine the terms of reference for the Working Group on *Assessment of Marine Environmental Quality of Radiation around the North Pacific* proposed by China in consideration of wider interests of scientists in PICES member countries, including relevance to the FUTURE/AICE mandate;
3. To develop a list of potential Working Group members;
4. To prepare a report with recommendations for future PICES activities and products related to the topic that are consistent with the new MEQ Action Plan;
5. To make the final report available by the inter-sessional Science Board meeting in May 2013.

2012-2013 Standing List of International and Regional Organizations and Programs

ACIA	Arctic Climate Impact Assessment Program (ACIA of AMAP)
AFSCAR	American Fisheries Society Program on Climate and Aquatic Resources
AMAP	Arctic Monitoring and Assessment Program

AOOS*	Alaska Ocean Observing System
APEC-MRC	Marine Resources Conservation Working Group, Asia Pacific Economic Cooperation
APEC-FWG	Fisheries Working Group, Asia Pacific Economic Cooperation
APFIC	Asia-Pacific Fisheries Commission
APN	Asia Pacific Network for Global Change Research
Argo*	International Program for deployment of profiling floats
BEST-BSIERP*	Bering Sea Ecosystem Study
CeNCOOS	Central and Northern California Ocean Observing System
CERF	Coastal and Estuarine Research Federation
CLIVAR*	Climate Variability and Predictability Program
ESSAS*	Ecosystem Studies of Sub-Arctic Seas
EVOSTC	<i>Exxon Valdez</i> Oilspill Trustee Council
FAO	Food and Agriculture Organization
GESAMP	Group of Experts on Scientific Aspects of Marine Pollution
GOOS*	Global Ocean Observing System
IAMSLIC	International Association of Marine Science Libraries
IASC	International Arctic Science Committee
IATTC	Inter-American Tropical Tuna Commission
ICES*	International Council for the Exploration of the Sea
IGBP	International Geosphere-Biosphere Program
IHDP	International Human Dimensions Programme on Global Environmental Change
IMBER*	Integrated Marine Biogeochemistry and Ecosystems Research
IMO	International Maritime Organization
IOC*	Intergovernmental Oceanographic Commission
IOCCP*	International Ocean Carbon Coordinated Project
IODE	International Oceanographic Data and Information Exchange
IPCC*	Intergovernmental Panel on Climate Change
IPHC	International Pacific Halibut Commission
ISC	International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean
IWC	International Whaling Commission
NAFO	Northwest Atlantic Fisheries Organization
NANOOS	Northwest Association of Networked Ocean Observing Systems System
NEAR-GOOS*	North East Asian Regional GOOS
NOWPAP*	Northwest Pacific Action Plan
NPAFC*	North Pacific Anadromous Fish Commission
NPFMC	North Pacific Fishery Management Council
NPRB*	North Pacific Research Board
PaCOOS*	Pacific Coast Observing System
PAG	Pacific Arctic Group
POGO	Partnership for Observing the Global Oceans
PSC	Pacific Salmon Commission
PSG	Pacific Seabird Group
SAHFOS*	Sir Alister Hardy Foundation for Ocean Science
SAON	Sustaining Arctic Observing Networks
SCCOOS	Southern California Coastal Ocean Observing System
SCOPE	Scientific Committee on Problems of the Environment
SCOR*	Scientific Committee on Oceanic Research
SOLAS*	Surface Ocean Low Atmosphere Study
SPC	South Pacific Commission
SPREP	South Pacific Regional Environmental Program
START	South Asian Regional Committee for the System for Analysis, Research and Training
UNEP	United Nations Environment Program

WCPFC	Commission for the Conservation and Management of Highly Migratory Fish Stocks in the Western and Central Pacific Ocean
WCRP	World Climate Research Programme
WESTPAC*	Cooperative Study of the Western Pacific, IOC Sub Committee for the Western Pacific
WPFMC	Western Pacific Fishery Management Council