

GC Appendix A**2022 Governing Council Decisions**

The following Governing Council Decisions were taken at the PICES-2022 Governing Council Meeting, held October 1-2 2022, in Busan, Republic of Korea

2022/A/1. Auditor's Report and letter.

- i. Council accepted the audited accounts for FY 2021.
- ii. Council accepted the recommendation from the Finance and Administration Committee that the following changes be made to the Financial Regulations (new text is underlined):
 - a) Regulation 10(iv)a be modified to read "For all purchases and contracts for equipment and office supplies exceeding an amount set by the Council, currently \$10,000, the Executive Secretary shall solicit written proposals.....etc. This amount to be reviewed by Council as desired but no longer than every 5 years."
 - b) Financial Regulation 12 (v) to be modified so that the final sentence now reads "The amount which accrues from such assessments shall be credited to the Relocation and Home Leave Fund to defray expenses of the Organization".
 - c) Financial Regulation 6 (vii) to be modified so that the third sentence now reads "The Relocation and Home Leave Fund is to be financed first from the levy in lieu of taxes from Secretariat staff, and if the year-end balance is below \$0 then from the General Fund surplus at year-end, then tax refunds, then the WCF reserve and then annual appropriations if necessary"
 - d) The following new Financial Regulation to be added:
Regulation 6(x) Accrued severance and unused vacation (beyond the current year) shall be listed as a liability against the Home Leave and Relocation Fund in the annual accounts of the Organization and a balance maintained in this Fund at or above \$0 at year end. When an individual's employment ends the amount owing for severance (for employees that began their term prior to 2017) and unused vacation beyond the current year will be paid from the HLRF. Unused vacation days for the current year will be paid from the General Fund.
 - e) Staff Rule 16 be amended to refer to Financial Regulation 12 (i) and not Regulation 11 (i)

2022/A/2: Annual Contributions.

- i. Council re-iterated the importance for all Contracting Parties to pay the Annual Fee by the January 1 deadline and confirmed 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 instructs the Executive Secretary to send letters to all Contracting Parties requesting payments of Annual Fees as soon as practical following the Annual Meeting.

2022/A/3: Budgetary Considerations

- i. Council approved the FY 2023 budget of \$1,156,000 and set the 2023 annual contribution at \$148,700 per Contracting Party for a total of \$892,200.
- ii. To address the pension plan liability, Council recommends that each Contracting Party make an additional \$8000 Extraordinary Contribution for FY2023 and that the Extraordinary Contribution shall continue until pension plan liability is extinguished.

- iii. Council approved a transfer of \$215,800 from the Working Capital Fund to the General Fund on January 1, 2023 to balance the budget.
- iv. Council approved a transfer from the Working Capital Fund to the Trust Fund on December 31, 2022 to recover the 2022 expenses and restore the Trust Fund to the level of \$110,000.
- v. Council approved the creation of an encumbered fund in the Working Capital Fund account as and when funds to support the BECI project are submitted to PICES.
- vi. Council approved renaming the “ICES-PICES Joint Sci Conf IP23” Fund within the Working Capital Fund as the “PICES-2023 USA” Fund

2022/A/3: Voluntary Contributions for the Intern Program and Capacity Building

- i. Council instructs the Executive Secretary to invite Contracting Parties to provide voluntary contributions to the Trust Fund to support the Intern Program and capacity building activities in 2023 and beyond.
- ii. Council encouraged all Contracting Parties to consider nominating an intern and to do so as soon as possible so that a new intern can be in place for spring 2023.

2022/A/4: Financial Reserve

- i. Council approved a Reserve Fund within the Working Capital Fund which should be maintained at or above a level equal to twice a contracting party’s annual fee.
- ii. The Reserve Fund is to be reviewed annually by the F&A Committee to ensure that the Reserve available at the prior fiscal year end is within an acceptable margin of the level set in i) above, and if it is not then the F&A Committee to recommend an appropriate mechanism for restoring the Reserve.

2022/A/5: Future PICES Meetings

- i. Council accepted the offer of the USA to host PICES-2023 in Seattle, with dates of October 20-29, and approved the expenditure of up to \$40,000 from the General Fund to defray the costs of the 2023 Meeting.
- ii. Council agreed the following fee structure for PICES-2023:

Type of registration fee	CDN \$
Regular	350
Early	250
Student	50
Spousal/guest	50
Absentee Presenter	75
Absentee student presenter	0

- iii. Council approved a virtual Intersessional Science Board meeting in spring 2023.
- iv. Council noted the agreement from Russia to host PICES-2024 at a time and location to be determined.
- v. Council invites Japan to explore the possibility of hosting the 2025 Annual Meeting, and inform the Secretariat on this matter by March 31, 2023.

2022/A/6: Science Products

Council directs the Executive Secretary to provide a follow-up report to the Finance and Administration Committee at PICES-2023 which determines whether the needs for science products are being sufficiently met and taking into account:

- The products of the AP-SciCom workshop and business meeting at PICES-2022
- The activities and outputs of the AP-ECOP
- The outcome of the UNDOS intern proposal at PICES-2022
- The range of science product preferences within PICES member countries determined by follow-up discussions with GC members.

2022/A/7: UN Observer Status

Council directs the Chair and Executive Secretary to move forward with the process for acquiring UN Observer status for PICES.

2022/A/8: External Review of the Organization

Council directs the Chair and executive Secretary to provide draft Terms of Reference for the Study Group (SG-ER) to review. The Study Group to then provide the Terms of Reference to Council for approval inter-sessionally.

2022/A/9: Appointment of Chair/Vice Chair of PICES and Chair of the Finance and Administration Committee.

- i. Dr Enrique Curchitser was elected to a second term as Chair of PICES
- ii. Dr Tetsuo Fujii was elected to a second term as Vice Chair of PICES
- iii. Dr Michael Seki was appointed to a second term as Chair of the Finance and Administration Committee

2022/A/10. Gender-neutral language

Council approved changing the word “Chairman” to “Chair” throughout the Rules of Procedure.

2022/S/1 *This Decision taken inter-sessionally and reported separately*

2022/S/2 *This Decision taken inter-sessionally and reported separately*

2022/S/3 *This Decision taken inter-sessionally and reported separately*

2022/S/4 *This Decision taken inter-sessionally and reported separately*

2022/S/5 *This Decision taken inter-sessionally and reported separately*

2022/S/6: Memoranda of Understanding with other Organizations

- i. Council approved the Collaborative Framework between PICES and the Asia Pacific Network. The Framework is to be added to the list of MoU once approved by the APN.
- ii. Council approved the Memorandum of Understanding between PICES and the Pacific Salmon Commission. The MoU is to be added to the list of MoU once approved by the PSC.

2022/S/7: New Expert Groups

Council approved the establishment of the following new Expert Groups with draft terms of reference as provided in the report from Science Board (Parent Committee shown in parentheses):

- i. Working Group on Exploring Human Networks to Power Sustainability – WG51 (HD Committee)
- ii. SG on the Arctic Ocean and the Pacific Gateways – SG-ARC (SB, FIS and MONITOR Committees)

- iii. SG on encouraging Data Awareness and increased Transmission and Accessibility – SG-DATA (TCODE) with the addition of a Term of Reference “*To review the current PICES data management strategy*”

2022/S/8: Chair and membership changes for Science Board, Standing Committees and Expert Groups.

Council approved the following elections for Standing Committees:

- i. Jeanette Gann (USA) was elected as Science Board Vice-Chair for a one-year term.
- ii. Akash Sastri (Canada) was re-elected for a second 3-year term as the Chair of BIO Committee
- iii. David Kimmel (USA) was elected as the new Vice Chair of BIO Committee (interim until a Vice-chair from the western side of the North Pacific is identified)
- iv. Mitsutaku Makino (Japan) was re-elected for a second 3-year term as the Chair of HD Committee
- v. Karen Hunter (Canada) was re-elected for a second 3-year term as the Vice Chair of HD Committee
- vi. Lei Zhou (China) was elected as the new Chair of POC Committee for a 3-year term.
- vii. Sung Yong Kim (Korea) was re-elected for a second 3-year term as the Chair of MONITOR Committee
- viii. Kym Corporon Jacobson (USA) was elected as the new Vice Chair of MONITOR Committee for a 3-year term.
- ix. Jeanette Gann (USA) was re-elected for a second 3-year term as the Chair of TCODE Committee.

Council approved the following elections for Expert Groups:

- x. SG-GREEN, new Chair Vera Trainer (USA)
- xi. AP-ECOP, additional co-Chair (representing Western North Pacific) Hana Matsubara (Japan)
- xii. AP-SciCom, additional co-Chair Natsuko Nakayama (Japan) - upon appointment to this AP
- xiii. AP-UNDOS, new co-Chairs Steven Bograd (USA) and Sanae Chiba (PICES Secretariat)
- xiv. AP-NIS, additional co-Chair (representing Western North Pacific) Aibin Zhan (China) - upon appointment to this AP
- xv. S-MBM, replacement co-Chair (for Kaoru Hattori), Miran Kim (Korea)
- xvi. WG48, additional co-Chairs Xuemin Cheng (China) and David Kimmel (USA)
- xvii. WG49, new co-Chairs Karen Hunter (Canada), Helen Killeen (ECOP, USA), Chan Joo Jang (Korea) and Hiroki Wakamatsu (ECOP, Japan) and Antonietta Capotondi as an ex officio member and co-Chair, representing CLIVAR
- xviii. WG50, new co-Chair Yisen Zhong (China)
- xix. FUTURE, new co-Chair (replacing Sukyung Kang), Hanna Na (Korea)
- xx. WG51, new co-Chairs Shion Takemura (Japan) and Karen Hunter (Canada) - upon their appointment to this WG
- xxi. SG-ARC, new co-Chairs Sei-Ichi Saitoh (Japan), Hyoungh Chul Shin (Korea), Alison Deary (USA) and Sarah Wise (USA) - upon their appointment to this SG
- xxii. SG-DATA, new Chair Hernan Garcia (USA) - upon appointment to this SG

2022/S/09: Extensions to expert groups.

Council approved 1-year extensions for WG42 (MEQ) and WG44 (HD)

2022/S/10: Intersessional symposia/sessions/workshops and meetings.

Council approved the following activities. Entries in italics were approved in previous Decisions but retained here for clarity:

GOOD-OARS Summer School Sponsor: GOOD (Global Ocean Oxygen Decade) OARS (Global Acidification Research for Sustainability) November 6 – 12, 2023, Coquimbo-La Serena, Chile	2-3 ECOPs from PICES member countries to participate	travel support of up to EUR 5000
AP-ECOP Virtual International Open Science Training co-sponsors (TBC): TCODE; AP-SciCom; ECOP Programme, HD (TBC), FUTURE (TBC) Spring/Summer2023 (Virtual)	Travel support for 2 participants of this workshop to attend PICES-2023 to ensure that fruitful discussions and lessons learned can be shared and incorporated into other parts of PICES and that the training can continue through PICES-2023	CA\$ 7000
5th International Symposium on the Effects of Climate Change on the World's Oceans (17-21 April, 2023)	Tsuneo Ono, Steering committee member and session convenor to attend	CA\$ 2745 (flight: NRT-BGO 234 & accommodation 100CA\$ x 4day)
	2 ECOPs from PICES countries	CA\$ 6000
PICES-ICES workshop on eDNA. Washington DC/May 2023 (before/after the ICMB-XI but a different meeting)	Name (TBC) ECOPs from PICES countries and/or Session /Workshop convenor	CA\$ 3000 Partial support for 1 ECOP participant
IOC bi-annual meeting of the Intergovernmental Panel on Harmful Algal Blooms (IPHAB) Spring, 2023, IOC Headquarters, Paris	TBD (1 S-HAB member)	CA\$ 3,000
<i>International Conference on Marine Bioinvasions ICMB-XI, Washington DC/ May 2023. The event has been postponed, but a new date is confirmed.</i>	<i>Name (TBC) An ECOP or Session /Workshop convenor</i>	<i>CA\$ 3000 (GC 2020/S/10)</i>

2022/S/11: New ECOP definition.

Council approved the following new ECOP definition for PICES (excluding the Zhu-Peterson award which retains its original criteria), to be more inclusive and aligned with other international activities:
An ECOP is someone who self-identifies as an early career professional in the beginning of their career, with ten years or less of professional experience.

2022/S/12: PICES-2023.

i. The following sessions will be convened at PICES-2023

Submitter	Sponsor CMT	Title	Duration (day)
Dr. Hongsheng Bi	BIO, POC, TCD	Applications of Deep Learning Systems in Marine Science	1
Dr. Ryan Rykaczewski	FIS, TCD, FTR, POC, MNT	Responses of Small Pelagic Fish to Extreme Events in Pacific Ecosystems	1
Pengbin Wang	FTR, MEQ, MNT	The Oceanographic, Ecological and Societal Impacts Arising from Extreme Weather and Climatic Events in Coastal Regions	1
Dr. Yisen Zhong	POC, MNT	Multi-scale ocean processes and their impacts on marine ecosystems	1
Dr. Thomas Therriault	MEQ	The complex reality of managing Non-indigenous Species (NIS) in the North Pacific	1
Dr. Tsuneo Ono	BIO, POC, MNT	Ocean acidification and deoxygenation in ocean margin ecosystems: causes and consequences for ecosystems and fisheries	1
Dr. Guangshui Na	MEQ,	Session on the Occurrence and Ecological Impact of Emerging Pollutants in the Coastal Marine Environment	0.5
Prof. Shin-ichi Ito	BIO, FIS	Understanding the implications of body size change for stock productivity and fisheries management	1
Dr. David McGowan	MNT	Improved detection and understanding of factors affecting changes in North Pacific forage communities and implications to ecosystems	1
Dr. Patrick O'Hara	BIO	Anticipated and realized effects of climate change on predatory fish, birds, and mammals of the North Pacific	1
Dr. Kisei Tanaka		Shining Light on Essential Fish Habitat in Data-Limited Pacific regions	0.5
Kiva Oken		Operational forecasts to improve recruitment prediction in fish stock assessments * SB comments: add wNP co-convenors	0.5
Recommended to merge			
Dr. Janelle Curtis	BIO	Seamount biodiversity: pelagic, demersal, and benthic species associated with seamounts in the North Pacific Ocean	1
Dr. Janelle Curtis		The distribution of vulnerable marine ecosystems (VMEs) on seamounts in the North Pacific Ocean and factors influencing their distributions (proposed as a Workshop)	

ii. The following workshops will be convened at PICES-2023:

Submitter	Sponsor Committee	Title	Duration (day)
Ms. Tammy Norgard	TCD, FTR, HD	Creation of clear, crisp, concise fact sheets for PICES Expert Groups	1
Dr. Steven Bograd	TCD, FTR, HD	Sharing Capacity and Promoting Solutions for Marine Ecosystem Sustainability within the UN Decade of Ocean Science	1
Vera Trainer	TCD, MEQ	International Workshop on Solutions to Control HABs in Marine and Estuarine Waters	1
Vyacheslav Lobanov	FTR, HD, POC	Changing social-ecological-environmental system of the North East Asian Marginal Seas: new challenges for integrative marine science	1
Dr. Patrick O'Hara	BIO, MEQ	Bio-indicators of meso to global scale marine pollution: techniques for integration and standardization	1
Dr. Brian Hunt	MEQ	Developing an integrative conceptual framework of urban impacts on marginal ocean ecosystems	1
Dr. Josep Planas	FIS	Integrating biological research, fisheries science and management of flatfish species in the North Pacific Ocean in the face of climate and environmental variability	1
Dr. Sangchoul Yi		Nurturing future generation in fisheries and marine environment science: Collaboration with PICES and Asia Fisheries and Marine Environment Leaders Program (AFIMA Leaders Program) (proposaed as a Session)	0.5
Recommended to merge			
Dr. Sarah Wise	TCD, HD, GEOS?	Collaborative and knowledge sharing approaches to support climate change adaptation and social-ecological system resilience	1.5
Dr. Rebecca Martone		Indigenous and Community-Led Approaches to Coastal Ecosystem Resilience in the Pacific	
Recommended to merge			
Dr. Kirstin Holsman	FIS, BIO, POC, TCD, FTR	S-CCME/SICCME workshop : Towards climate-informed ecosystem-based fisheries management	1.5
Dr. Alison Deary		International collaborations to monitor and respond to changing Arctic Ecosystems	
Dr. Alison Deary		Standardizing indicators to monitor changing ecosystems (proposed as a Session)	

2022/S/13: An UNDOS intern

Council supported the concept of one or two UNDOS interns. The PICES Visiting Scientist program could be one mechanism to provide this support. If additional voluntary contributions are provided to the Trust Fund then an UNDOS intern can be funded through the Intern Program mechanism.

In addition, Council directs the Executive Secretary to review the history of requiring an intern to be “*staff of the academic or government sector of PICES member-countries*” as indicated in the Qualifications section of the Intern Program, and to report back to Council.

2022/S/14: Publications

Council approved the following publications:

EG	Citation	Comment
MONITOR	Batten, S.D., Ostle, C., Hélaouët, P. and Walne, A.W, (2021) Responses of Gulf of Alaska plankton communities to a marine heat wave. Deep Sea Research Part II: Topical Studies in Oceanography, 105002, ISSN 0967-0645, https://doi.org/10.1016/j.dsr2.2021.105002 .	Product of NP CPR Project
S-CCME	IPCC AR6 WKII : Climate Change 2022: Impacts, Adaptation and Vulnerability https://www.conservation.org/blog/ipcc-report-climate-change-could-soon-outpace-humanitys-ability-to-adapt	Authors include Drs. Shin-ichi Ito & K. Holsman and many PICES members.
WG42	Uhrin, A.V., Hong, S., Burgess, H.K., Lim, S. and Dettloff, K., 2022. Towards a North Pacific long-term monitoring program for ocean plastic pollution: A systematic review and recommendations for shorelines. https://doi.org/10.1016/j.envpol.2022.119862	These 3 papers are the products of WG42 activities.
WG42	Shim, W.J., Kim, S.K., Lee, J., Eo, S., Kim, J.S. and Sun, C., 2022. Toward a long-term monitoring program for seawater plastic pollution in the north Pacific Ocean: Review and global comparison. Environmental Pollution. https://doi.org/10.1016/j.envpol.2022.119911	
WG42	Savoca, M.S., et al., 2022. Towards a North Pacific Ocean long-term monitoring program for plastic pollution: A review and recommendations for plastic ingestion bioindicators. Environmental Pollution. https://doi.org/10.1016/j.envpol.2022.119861	
WG46	Cai, W. J., & Jiao, N. (2022). Wastewater alkalinity addition as a novel approach for ocean negative carbon emissions. The Innovation, 3(4), 100272, https://doi.org/10.1016/j.xinn.2022.100272	These 4 papers are the products of WG46 activities.
WG46	WANG, Y., LU, Y., LIU, J., & ZHANG, C. (2022). Advocating eco-engineering approach for ocean carbon negative emission. Bulletin of Chinese Academy of Sciences (Chinese Version), 36(3), 279-287. https://doi.org/10.16418/j.issn.1000-3045.20210308001	
WG46	Liu, J., Robinson, C., Wallace, D., Legendre, L., & Jiao, N. (2022). Ocean negative carbon emissions: A new UN Decade program. The Innovation, 3(5), 100302. https://doi.org/10.1016/j.xinn.2022.100302	
WG36 (FUTURE)	When reviewed by Council will be published as PICES Science Report #64 “Common Ecosystem Reference Points across PICES Member Countries”	Endorsed by FUTURE and submitted to Secretariat for editing.