



PICES - 2024

North Pacific Marine Science Organization



The **FUTURE** of PICES: Science for Sustainability in 2030

October 26 – November 1
Honolulu, USA



PICES 2024 Opening Remarks

Enrique Curchitser

PICES Chair

Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





PICES - 2024

North Pacific Marine Science Organization

PICES 2024 Awards

Enrique Curchitser

PICES Governing Council Chair

&

Sukyung Kang

PICES Science Board Chair



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





PICES Chair Award

- **Established in 2016** by PICES Governing Council
- Awarded for sustained contributions to the development of PICES, that have allowed it to meet its purpose as set out in *Article III* of the *PICES Convention*:
 - *Article III: Purpose of the Organization:*
 - *to promote and coordinate marine scientific research in order to advance scientific knowledge of the area concerned and of its living resources, including but not necessarily limited to research with respect to the ocean environment and its interactions with land and atmosphere, its role in and response to global weather and climate change, its flora, fauna and ecosystems, its uses and resources, and impacts upon it from human activities;*
 - *to promote the collection and exchange of information and data related to marine scientific research in the area concerned.*





PICES Chair Award Past Recipients



- **2016:** Rich Marasco (USA) and Alex Bychkov (PICES Secretariat)
- **2018:** Tokio Wada (Japan) and John Stein (USA)
- **2019:** Pat Livingston (USA)
- **2021:** Laura Richards (Canada)
- **2022:** Chul Park (Korea)
- **2023:** Robin Brown (Canada)





PICES Chair Award 2024 Winner

Mike Seki



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





PICES Chair Award 2024 Winner

Mike Seki

Mike has had a long and dedicated involvement with PICES, since the early 2000s, and exemplifies what the Chair Award honours:

- Mike was an active participant in the PICES science program, an invited speaker and convenor at many annual meetings.
- A member of several PICES expert groups sharing his expertise on micronekton (AP-MIE, WG14, BIO Committee) and contributor as an author to reports.
- A member for over a decade, plus Chair, of the Finance and Administration Committee.
- A member of the PICES Governing Council from 2020 until his retirement in 2023.





PICES Chair Award 2024 Winner

Mike Seki

“(Mike) was a strong advocate within the NMFS in support of the PICES mission, and encouraging young and mid-career NMFS scientists to become active in the organization. As Mike’s career progressed leading to Director of the Pacific Islands Science Center his active support of PICES never wavered.” John Stein.



“Mike is a terrific colleague, always willing to listen and lend his counsel. He immersed himself in PICES activities, both in official sessions and team-building activities at PICES science gatherings and Annual Meetings.” Jack Barth





PICES Chair Award 2024 Winner

Mike Seki

Acceptance Remarks

For his distinguished, sustained and significant contributions (of over two decades) to PICES through advancing PICES science, his leadership as Chair of the Finance and Administration Committee, and as a member of the Governing Council.





Wooster Award Background



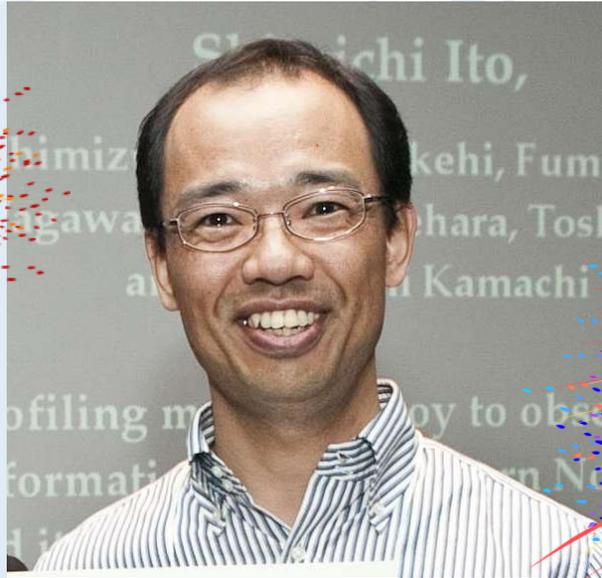
- Established in 2000 by PICES Governing Council
- Named in honour of [**Professor Warren S. Wooster**](#), principal founder and first Chairman of PICES; world-renowned researcher and statesman in the area of climate variability and fisheries production.
- Presented annually to an individual who has made significant scientific contributions to North Pacific marine science, such as understanding and predicting the role of human and climate interactions on marine ecosystem production.
- Main selection criteria: sustained excellence in research, teaching, administration or a combination of the three in the area of North Pacific marine science.
- Special consideration is given to individuals who have worked towards integrating marine science disciplines
- Preference to individuals involved in PICES activities





PICES 2024 Wooster Award Winner

Professor Shin-ichi Ito



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





PICES 2024 Wooster Award Winner

Professor Shin-ichi Ito

Acceptance Remarks





Zhu-Peterson Award Background

Established by PICES Governing Council in 2019 the Zhu-Peterson Early Career Scientist Award is named in honor of Professor Zhu and Dr. Peterson, two marine scientists who strongly encouraged early career scientists to become engaged in PICES. The Zhu-Peterson ECS Award may be given annually to an individual who has performed innovative research at the frontier of science relevant to the PICES mission as set out in the PICES Convention.



Professor Mingyuan Zhu of the First Institute of Oceanography, State Oceanic Administration, China, trained many graduate students and young scientists, who carry on his rich legacy of honest enthusiasm for cooperative approaches to marine science research.



Dr. William (Bill) Peterson of the Northwest Fisheries Science Center of NOAA, USA, was cherished by his students, technicians, and PICES early career scientists who regarded him as “a great teacher, and a fun, humble and inspiring mentor”.





PICES 2024 Zhu-Peterson Award Winner

Raphaël Kevin Roman



Honolulu, USA

PICES Annual Meeting 2024



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PICES 2024 Zhu-Peterson Award Winner

Raphaël Kevin Roman

Intergovernmental Oceanographic Commission of UNESCO
Coordinator for the Asian node of the Early Career Ocean
Professionals (ECOP) Program

PICES Contributions

AP-ECOP Co-Chair

AP-UNDOS

WG 51: Exploring Human Networks to Power
Sustainability

ICES-PICES Ocean Decade SMARTNET Steering
Committee



PICES members at the UN Decade of Ocean Science for Sustainable Development Conference in Barcelona, Spain, 2024





PICES 2024 Zhu-Peterson Award Winner

Raphaël Kevin Roman

“His strong leadership and enthusiasm are the driving force of PICES Science now and in the future.”

– Professor Mitsutaku Makino

“Raphael is an exceptional and highly regarded early career ocean professional, with broad expertise in sustainable fisheries, marine resource and environmental economics, and ocean governance. He is an emerging global leader in these fields and is currently leading ECOP participation within PICES and the UN Decade of Ocean Science for Sustainable Development (Ocean Decade)...”

- Steven Bograd



Raphael Roman giving a presentation at the Challenge 9 Session at the UN Ocean Decade Conference in Barcelona, Spain (April 2024)





PICES 2024 Zhu-Peterson Award Winner

Raphaël Kevin Roman

Acceptance Remarks





POMA Background

The PICES Ocean Monitoring Service Award (POMA) aims to recognize organizations, groups and outstanding individuals that have contributed significantly to the advancement of marine science in the North Pacific through long-term ocean monitoring, data management, and innovative advances in ocean monitoring.

The award also strives to enlighten the public on the importance of those activities as fundamental to marine science.

It draws attention to an important aspect of the PICES Convention that is not so much in the limelight: "to promote the collection and exchange of information and data related to marine scientific research in the area concerned."





PICES 2024 POMA Winner

EC1 Program at Seoul National University



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





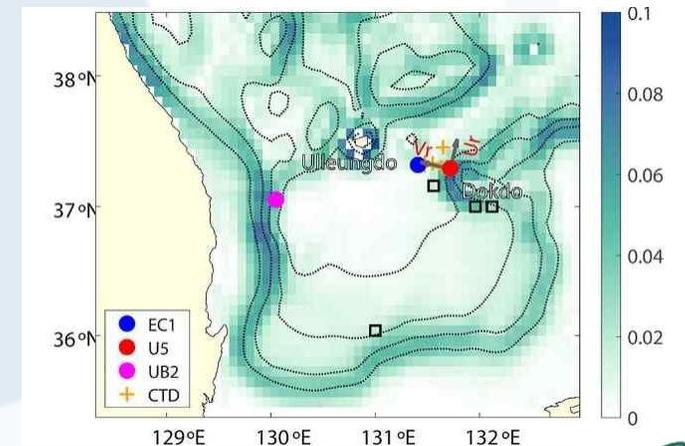
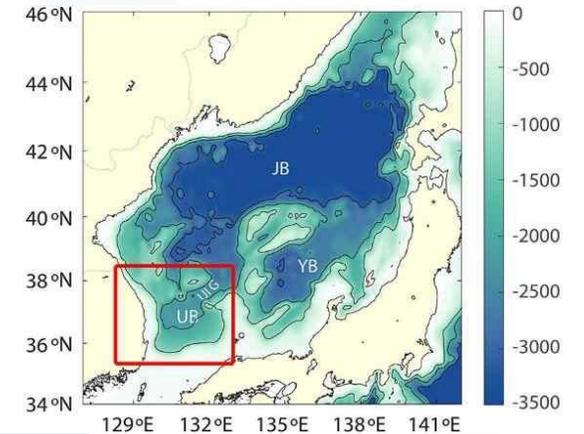
PICES 2024 POMA Winner

EC1 Program at Seoul National University

Initiated in 1996, EC1 is moored observational program that has consistently collected long and continuous time-series data (see the map)

EC1 data are currently being used to study physical and biogeochemical processes in the region, including but not limited to different wave dynamics, mesoscale eddies, fronts, turbulent mixing, water circulation and transport across the UIG, deep and bottom water formations, basin-to-basin water exchange, ventilation and meridional overturning circulation, their impacts on biogeochemistry, as well as the physicochemical properties of seawater

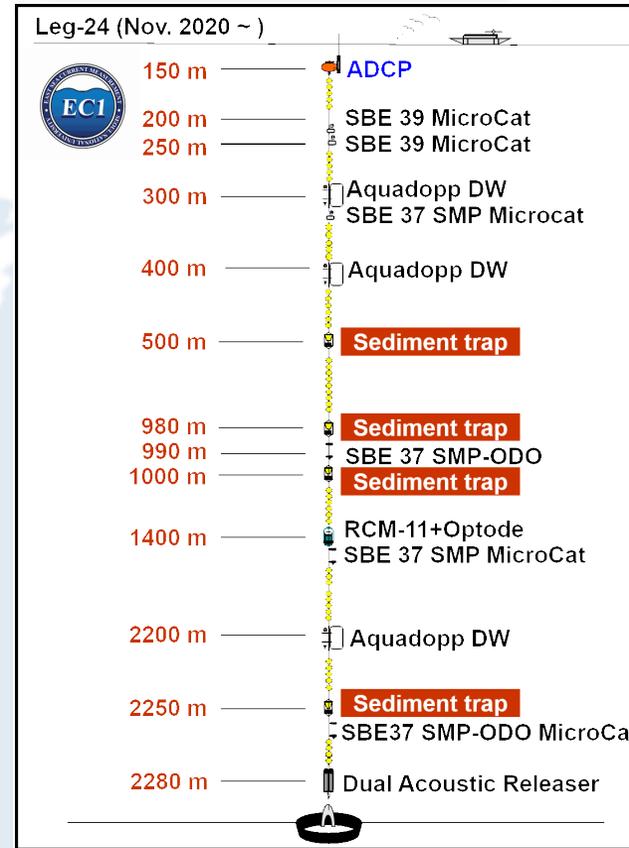
Many Early Career Ocean Professionals (ECOPs) have opportunity to calibrate, perform quality control and quality assurance, and process and analyze the data collected from the EC1 mooring and oceanographic surveys





PICES 2024 POMA Winner

EC1 Program at Seoul National University



“The program makes significant contributions to the progress of marine science in the North Pacific via long-term monitoring operations, managing data associated with marine environmental conditions in the region, developing advanced and innovative technologies for ocean monitoring, and training students and early career scientists.”

- SungHyun Nam, Jae-Hyoung Park, Jeomshik Hwang, & Guebuem Kim





PICES 2024 POMA Winner

EC1 Program at Seoul National University

Acceptance Remarks





Congratulations to all Awardees!



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





PICES - 2024

North Pacific Marine Science Organization



Year in Review

**PICES Scientific Excellence
Moving PICES Science Forward**

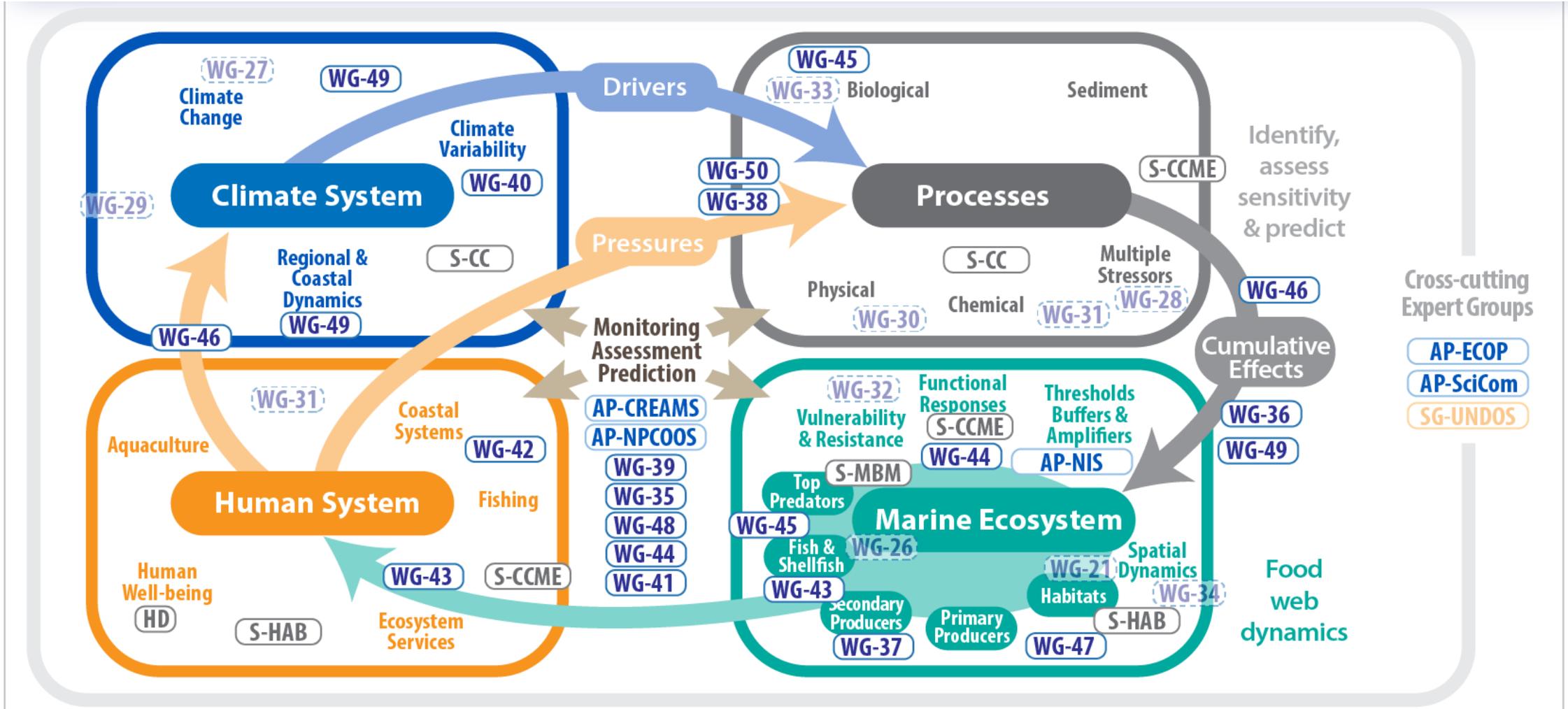
*Sukyung Kang
PICES Science Board Chair*

October 26 – November 1, Honolulu, USA



FUTURE Science Program – SEES Approach

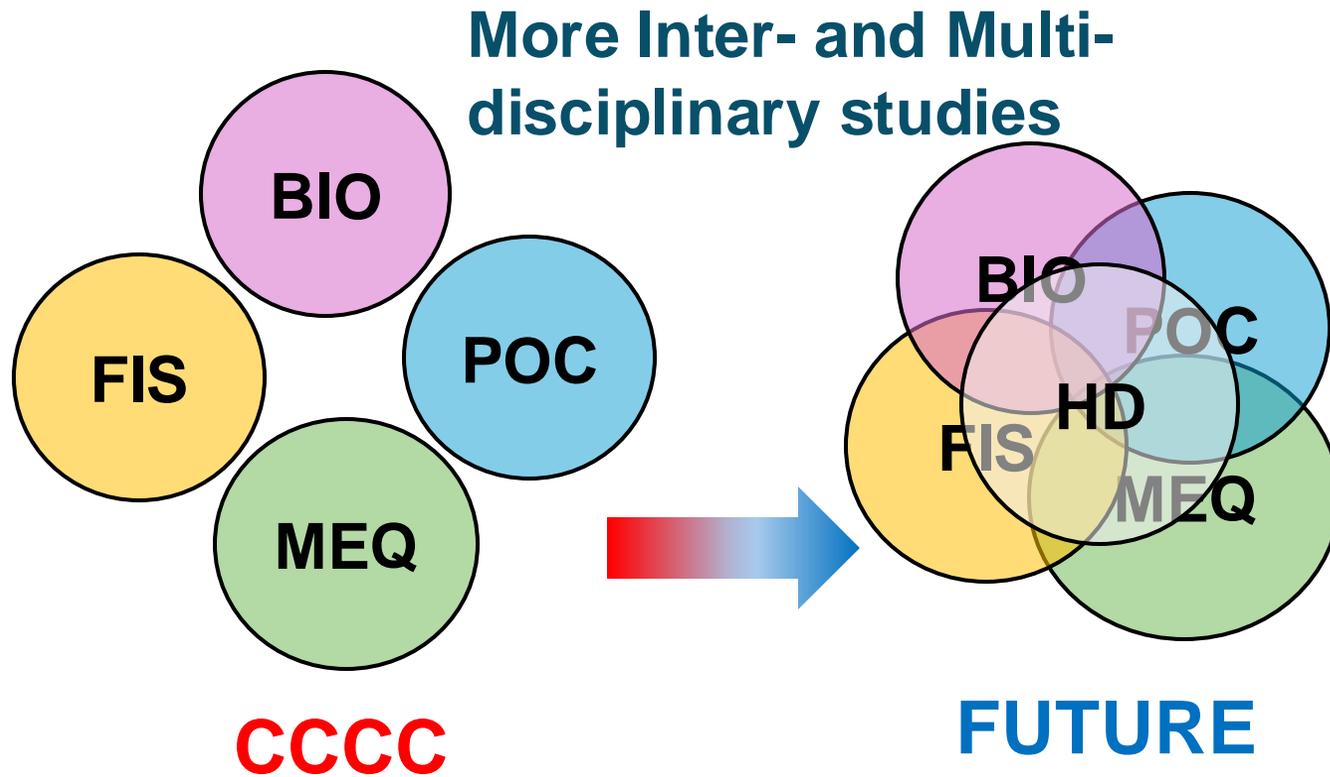
Socio-Ecological-Environmental Systems Approach



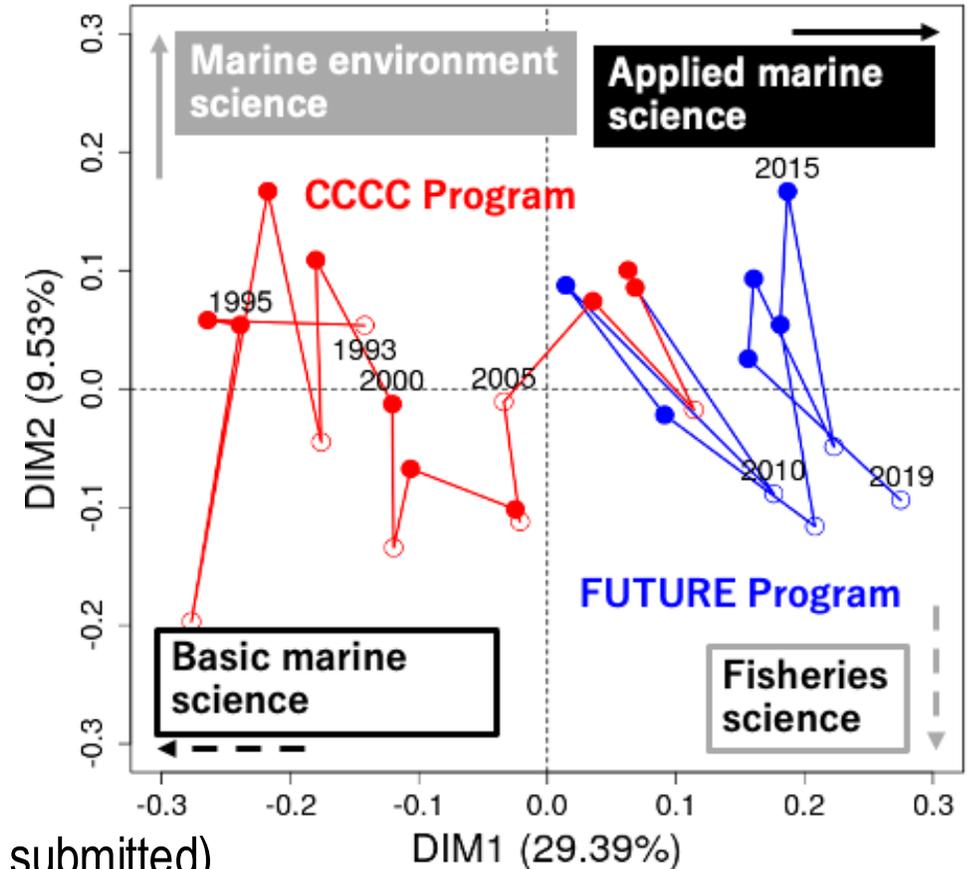


FUTURE Science Program – Review Paper

Transformation of PICES Science from CCCC (1995-2009) to FUTURE (2009~)



More Applied Science



(Takamura et al., submitted)





FUTURE Science Program – FUTURE Symposium

October 28 (Mon) Today!

1100~ 1730

Review its accomplishments and remaining gaps, and exchange ideas for the following PICES Program.

11:00-11:10	Introduction to the Symposium (Steven Bograd & Hanna Na)
11:10-11:30	PICES Flagship Science Programs: Transition from CCCC to FUTURE (Shin-ichi Ito)
11:30-11:50	FUTURE Highlights: The Product Matrix (Hanna Na, Jennifer Boldt)
11:50-12:10	FUTURE and the Evolution of PICES Science (Shion Takemura)
12:10-12:30	Human Dimensions and the SEES Approach in PICES (Mitsutaku Makino)
12:30-14:00	LUNCH ON YOUR OWN

14:00-14:15	FUTURE Science - Ecosystem Reference Points (Mary Hunsicker)
14:15-14:30	FUTURE Science - Climate Extremes and Coastal Impacts (Helen Killeen, Hiroki Wakamatsu)
14:30-14:50	Early Career Ocean Professionals in PICES (Minkyong Kim, Hannah Lachance, Hana Matsubara, Raphael Roman)
14:50-15:10	Invited Speaker FUTURE ECOP SEES Awardee (Rachel Seary)
15:10-15:30	Science Communications in PICES (Vera Trainer, Nakayama Natsuko)
15:30-16:00	COFFEE BREAK
16:00-17:20	Panel Discussion on the Progress, Challenges and Lessons Learned from FUTURE Moderator: Steven Bograd Moderator Questions + Whova audience questions Participants: <ul style="list-style-type: none"> • Secretariat (Sanae Chiba) • Canada (Jennifer Boldt) • China (Fangli Qiao) • Japan (Shin-ichi Ito) • Korea (Sinjae Yoo) • Russia (Unavailable) • USA (Ryan Rykaczewski)
17:20-17:30	Closing Remarks (Cisco Werner)
17:30	WORKSHOP ENDS





FUTURE Science Program – ECOP SEES Award

PICES 2024 FUTURE ECOP SEES Award Winner!!

Objective: Encourage recognition and application of the SEES approach, and engage early career scientists in PICES.

Award: FUTURE SSC will provide travel support funds for an awardee to participate in the following PICES Annual Meeting.

Rachel is invited to present her work at the FUTURE Symposium to highlight the application of the SEES approach.



Rachel Seary

University of California, Santa Cruz
NOAA, Monterey, USA

Rachel received a PhD in Geography from the University of Cambridge in 2019 before moving to the USA to study the California Current Ecosystem. Rachel is interested in the links between humans and the marine environment, and finding the balance between biodiversity conservation and sustaining ocean resources that people need for food, economy and well-being under changing environmental and regulatory landscapes. Her research investigates social-ecological challenges for fishing communities through participatory approaches. She is an active member of **PICES WG-51** on Exploring Human Networks to Power Sustainability.





SmartNet – UNDOS Endorsed Programme



UN Ocean Decade Barcelona Conference (April. 2024)

Sustainability of MARine ecosystems
through global Knowledge NETworks

Steven
Boograd
noaa/
Pices

At smartnet we want
an ocean that's:

- Productive
- predictable
- Resilient
- inspiring

And what is
our strategy?

- 1 - production and sharing of knowledge
- 2
- 3 ENGAGE diverse stakeholders
- 4 networking!



Some of PICES delegates





SmartNet UNDOS Barcelona Conference



A Global Survey Project: to explore how perceptions of the UNDOS goals differ between countries



2024 UN OCEAN DECADE CONFERENCE
SATELLITE EVENT 182 <1500-1630 OF 9TH APRIL, 2024>

WHAT IS THE OCEAN WE WANT ?

Honolulu, USA

PICES Annual Meeting 2024

Oct 26 – Nov 1



Cartoon by artist Bas Köhler.

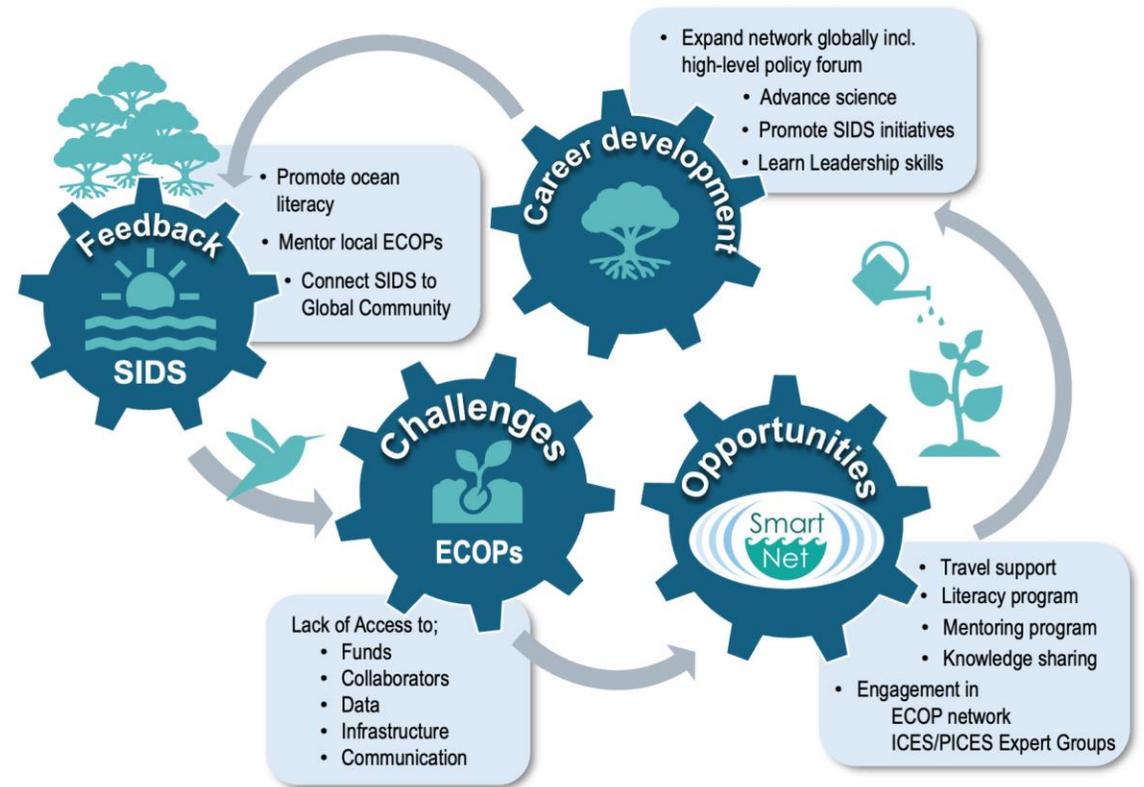


SmartNet - UNDOS Barcelona Conference



SmartNet & Global ECOP Co-sponsored side events to promote engagements of ECOPs from Small Island Developing States (SIDS).

Challenges faced by SIDS ECOPs and how SmartNet supports their career development by leveraging ICES and PICES frameworks. The diagram illustrates a positive feedback loop reinforcing the capacity development of SIDS ECOPs (Chiba et al, 2024, in press)





External Review Report

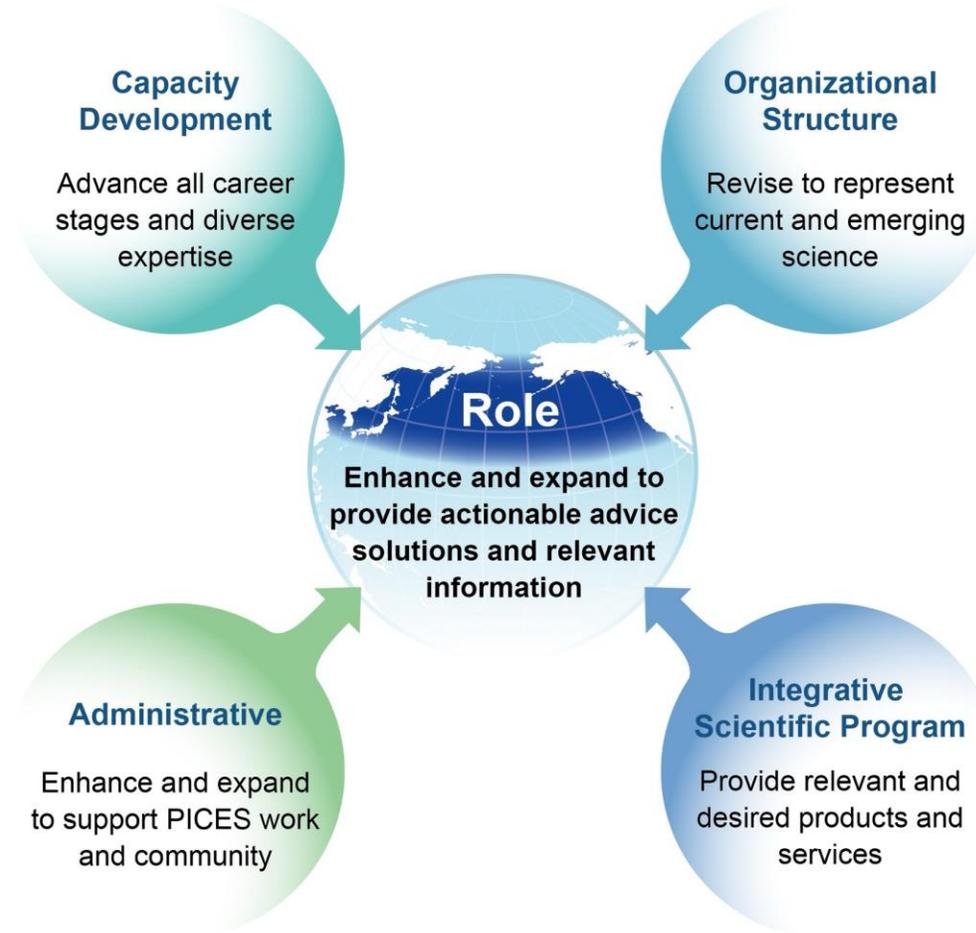
External Review

PICES commissioned an **external review** to make sure we are as effective as we can be, and to get input into what changes could be made to make PICES more relevant.

The External Review Committee (ERC) developed **recommendations** based on

- interviews with individuals who represented a diversity of PICES science and engagement,
- participation by the ERC in the 2023 PICES Annual Meeting,
- a visit by the ERC to the PICES Secretariat,
- and recommendations from representatives of the Contracting Parties

External Review Report Looking Forward in a TIME of CHANGE





PICES Special Panel

SPECIAL PANEL

PICES Science in the Next Decade

900-1200, November 1 (Friday), Room 310 (Theatre)

Part 1

- Review Panel Report Overview (Eileen Hofmann, External Review Panel Chair)
- PICES knowledge coproduction and the science-policy interface (Erin Satterthwaite)
- FUTURE symposium outcomes (Hanna Na)
- Next steps in the PICES forward-look (Enrique Curchitser, PICES Chair)

Part 2

- interactive panel discussion, with questions or comments posed by the community (Moderator: Ian Perry)



PICES Members can provide feedback directly via <https://forms.office.com/r/ZDcPfGwy1m>

Comments on PICES External Review Committee Report and Recommendations

A place for the PICES community to provide feedback on the review and its recommendations. Governing Council will consider these responses as part of its planning for the Organization.

1. Your name (optional)

답변을 입력하세요.

2. Please provide your comment here

답변을 입력하세요.

제출



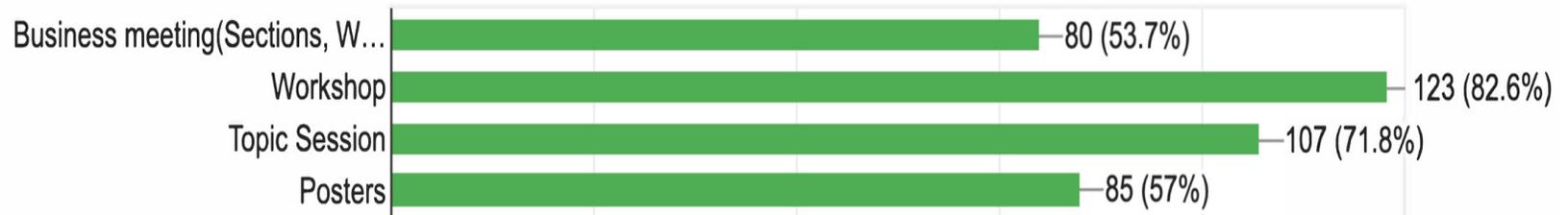


Sustainable PICES Meeting – SG-GREEN Initiative

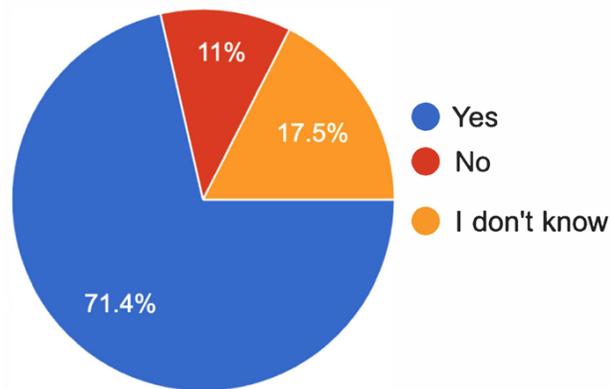


Survey on Reducing PICES Impacts on Climate Warming and Environment Restoration Activities

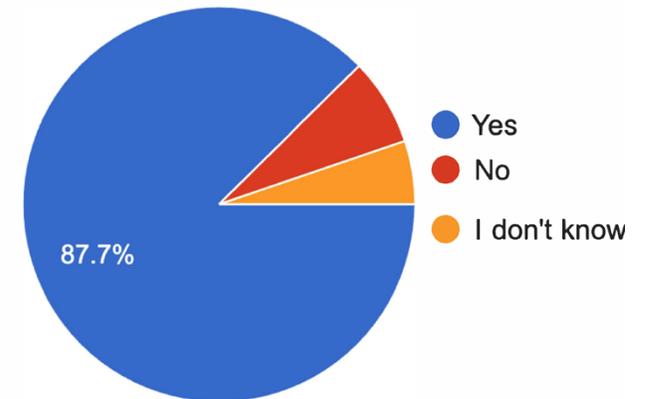
Q: What parts of the PICES Annual Meetings should be held in person?



Q: Would you like a new EG to study on carbon offset recommendations?



Q: Should PICES eliminate single-use plastics at its meetings?




PICES - 2024 Honolulu, Hawaii

Beach Cleanup

October 26
At Waikiki Aquarium

WHEN: Saturday, October 26, 2024 @ 10am-12pm

WHERE: The Waikīkī Aquarium

Please bring reef-safe sunscreen and water with you.

See PICES 2024 meeting website for:

Transportation
Event sign-up
Directions

www.pices.int



Honolulu, USA

PICES Annual Meeting 2024



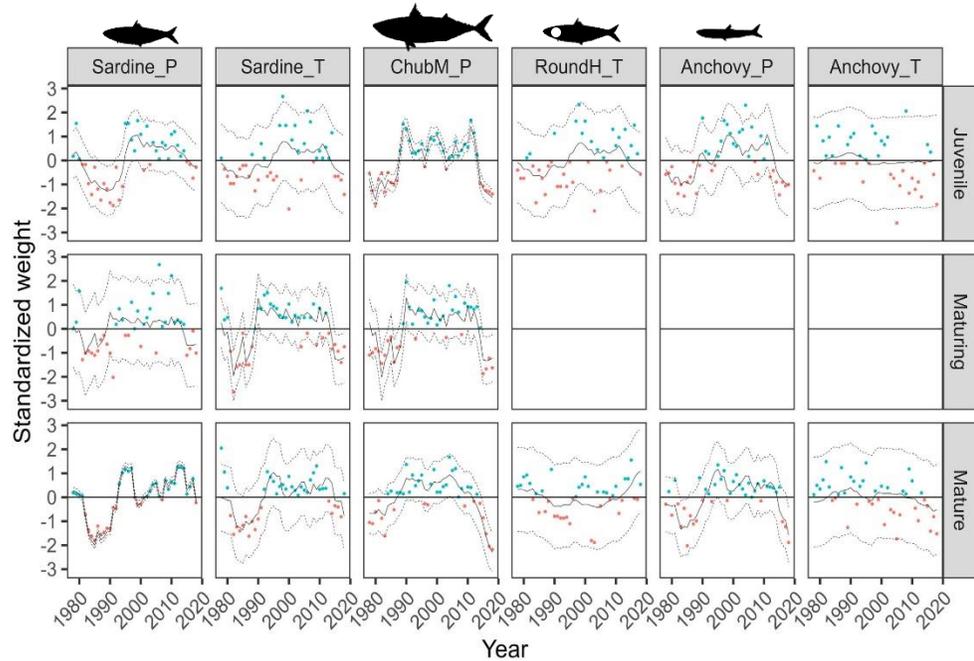
Oct 26 – Nov 1



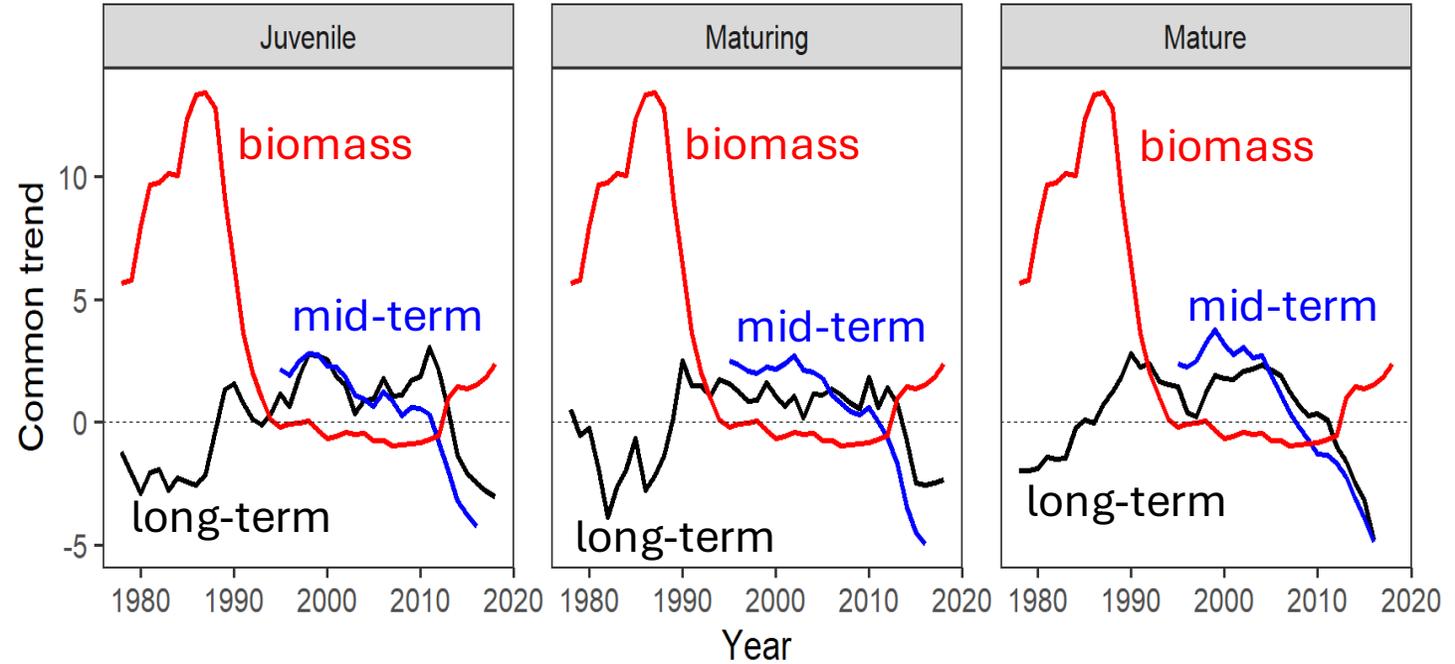


ICES/PICES WG GRAFY

Example of western North Pacific



Impacts of Warming on Growth Rates and Fisheries Yields



Fish weight in the western NP decreased in 1980s and 2010s.

1980s: density effect

2010s: reduced prey & density effect

Zhen and Ito (2024, Fish & Fisheries)





Transition in PICES Demography

Better gender balance in PICES leadership

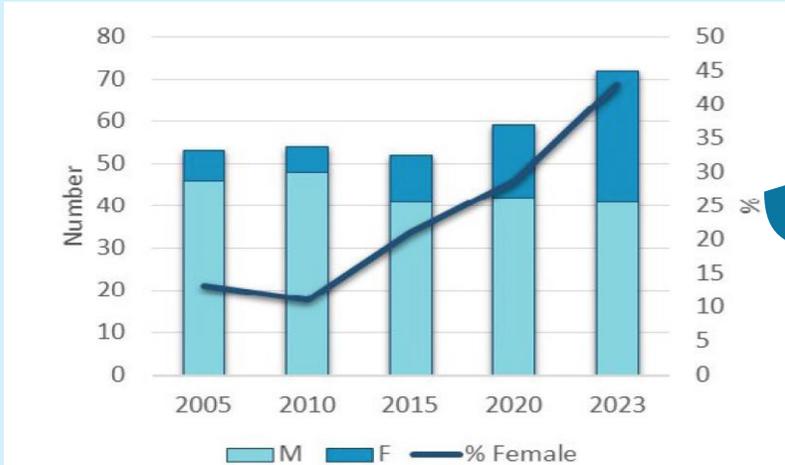
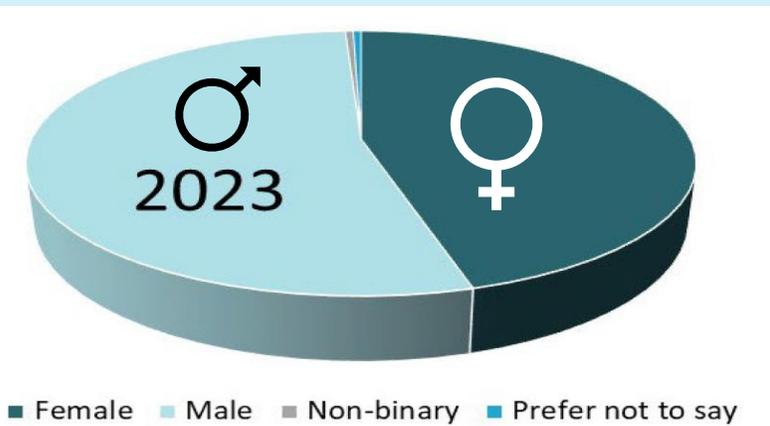
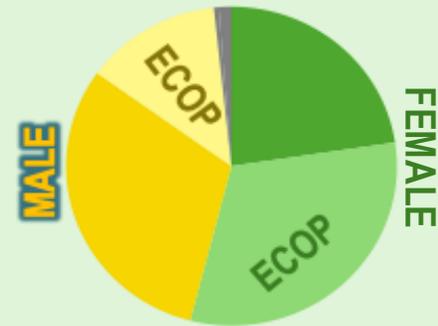


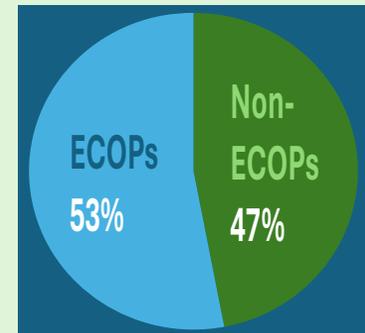
Figure 1. Number of Chairs/Co-Chairs and Vice-Chairs by gender over time (bars), together with the proportion that are female.



More ECOP engagement



ZPS7
March 2024



MSEAS
June 2024

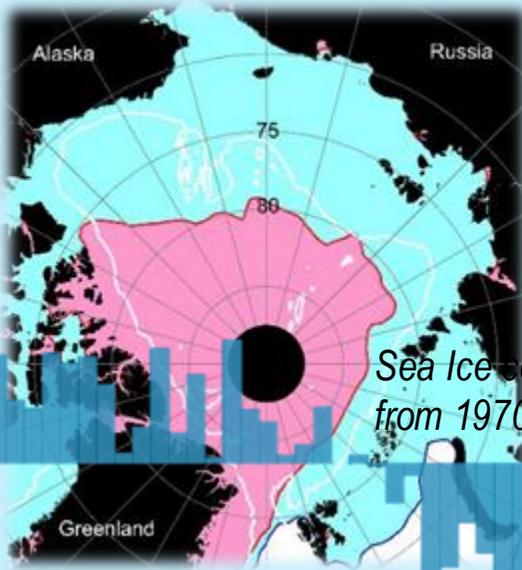




New PICES Expert Groups

SB

AP-ARC: Advisory Panel on the Arctic Ocean and the Pacific Gateways



Sea Ice coverage from 1970s to 2010s

Develop a strategic plan for the coordination and promotion of joint scientific activities on the Arctic Ocean and its Pacific Gateways.

TCODE

WG52: Working Group on Data Management

F A I R

Address the need for an improved data, metadata and information management and data sharing plan within PICES

FIS, BIO, HD

WG53: PICES/ICES Working Group on Sustainable Pelagic Forage Communities (WG53)



Understand forage species and community dynamics





New Award - PICES Open Data Excellence Award (PODA)

- in honor of Igor Shevchenko -

GC Decision 2024/S/9

PICES Open Data Excellence Award (PODA) to be awarded to individuals, groups, or organizations who have demonstrated exceptional innovation in the field of open science, data sharing, and FAIR data principles (Findable, Accessible, Interoperable, Reusable; Wilkinson et al., 2016) in support of the PICES community. The Open Data Excellence Award is bestowed in honour of the respected Dr. Igor Shevchenko, who for many years was deeply involved in national and international data-sharing activities.

The application for the PICES 2025 Awardee will open in the winter 2024/2025

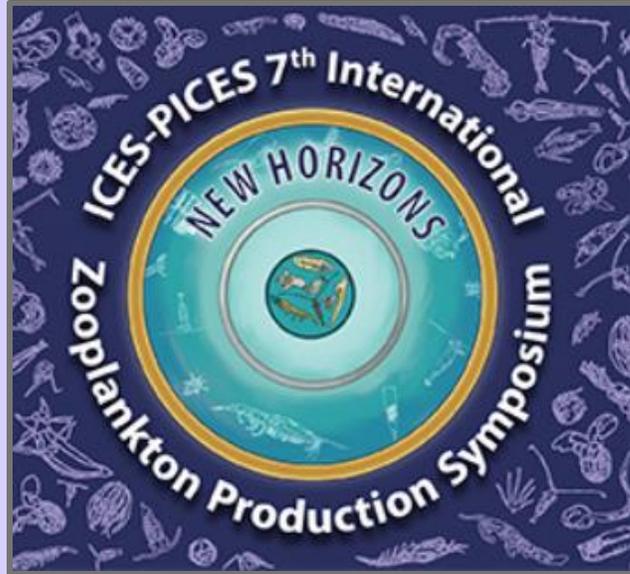


Igor Shevchenko





PICES Sponsored International Symposia in 2024



ICES/PICES ZPS7



7th International
Zooplankton Production
Symposium
Hobart, March 2024



ICES/PICES MSEAS-2024



Marine Socio-Ecological
Systems Symposium
Yokohama, June 2024

Honolulu, USA

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PICES Sponsored International Symposia in 2024

ZPS7



315 Attendees
161 ECOP (>50%)
38 Countries



16 Sessions, **5** Workshops
357 Presentations
282 Oral, **75** Posters



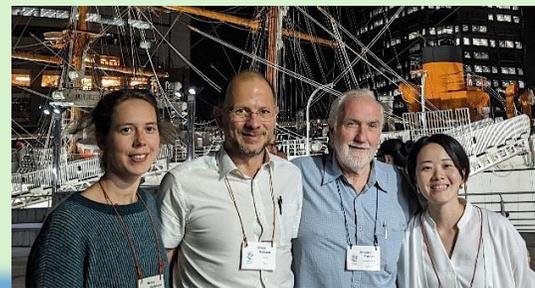
MSEAS 2024



MESAS in NUMBERS

201 Attendees from
31 Countries

10 Sessions
192 Presentations
162 Oral **30** Posters



Science & Art collaboration events



Honolulu, USA

PICES Annual Meeting 2024

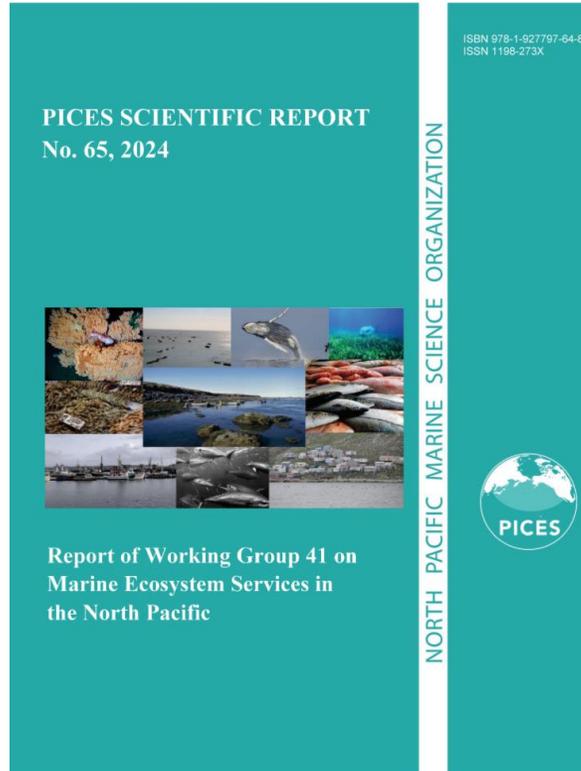
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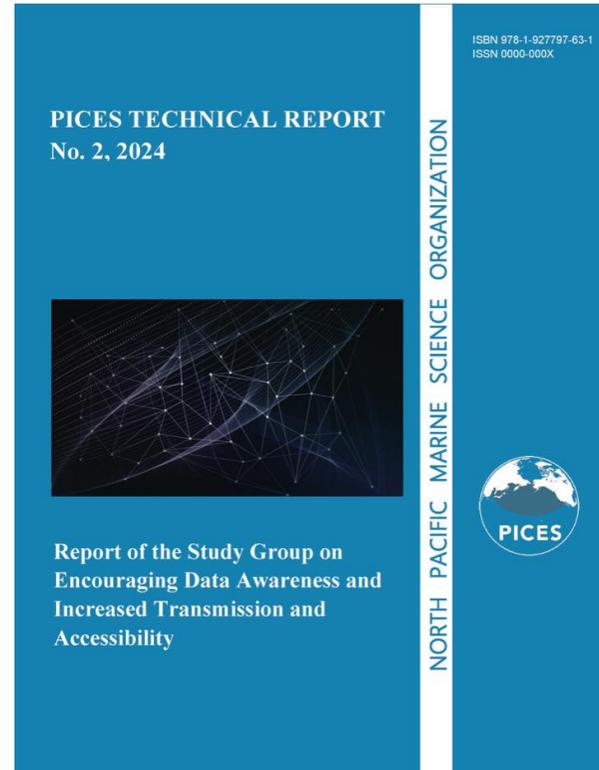


PICES Scientific Excellence - Publication

Examples of the recent publications (PICES-2023~)



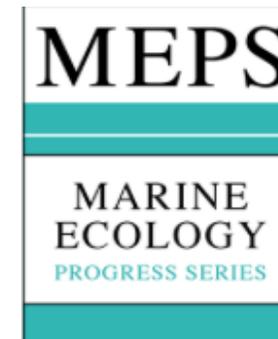
WG41: Final Report
Marine Ecosystem Services



SG-DATA: Final Report
Encouraging Data Awareness
and increased Transmission
and Accessibility



Small Pelagic Fishes: New Frontiers in Science and Sustainable Management
Can. J. Fish. Aquat. Sci., August 2024, Vol. 81, No. 8, pp. 984–1173



Small pelagic fish: new research frontiers
Mar Ecol Prog Ser (Print ISSN: 0171-8630; Online ISSN: 1616-1599)

WG43: Final Products
*As two journal special issues





Outreach and Engagement - AP-SciCom activities

Trilogy workshop on science communication training

PICES 2022

How to Create memorable science stories.



Promotion video video-making training



PICES 2023

How to create concise and compelling Fact Sheets

RESEARCH GROUP

Rich Fisheries Environment Promotion in Ise-Mikawa Bay

Developing effective nutrient management measures based on the characteristics of the bay for sustainable fisheries and aquaculture.

AREAS OF FOCUS

- WATER QUALITY
- COASTAL MANAGEMENT
- MODELING

Ise-Mikawa Bay

This semi-closed area, consists of inner bays and inland seas, and is historically known as highly productive area for fisheries and aquaculture. In more recent years, a high economic growth period allowed for increased water discharged from urban and industry activities, resulting in eutrophication and pollution of the bay. Since then, measures to reduce the pollutants have been promoted, and water quality has improved significantly. Societal issues related to nutrients and organic matter in coastal areas have shifted from pollution to reduction to proper management.

The Issues

Noticeable ocean changes became a problem throughout the bay, including significant declines in nutrients, total nitrogen, and total phosphorus, as well as increases in water temperature. The capture fisheries species have changed, and the productivity of bivalve and seaweed farming have declined remarkably. Understanding lower trophic level processes in the bay is still a missing link. Therefore, if we can investigate how lower trophic level marine plankton function on an ecosystem level, then we use ecosystem models to effectively manage nutrient inputs that impact the bay.

Current Work

- Investigation on long-term changes of marine environment and its effect on the lower trophic level ecosystems in Ise-Mikawa Bay
- Development of evaluation methods for the influence of nutrient environment in the inner bay on bivalve and seaweed production
- Consideration on proper nutrient management measures appropriate for the characteristics of the bay using ecosystem models in order to maintain a sustainable fisheries and aquaculture in the rich sea

Contact:
Sayaka Sogawa
sogawa_sayaka51@fra.jp

PICES - The North Pacific Marine Science Organization | Secretariat c/o Institute of Ocean Sciences
9860 West Saanich Road, Sidney, BC, Canada V8L 4B

PICES 2024

How to effectively use social media to communicate their science

Oct 29, 30 and 31
10:15-10:50 (during morning coffee break)
(Room 302B)



W8: "Science Jam" - Bridging the gap between science and social media to communicate PICES accomplishments with the world"

Honolulu, USA

PICES Annual Meeting 2024

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PICES Capacity Development Framework

AP-ECOP organized events

Pre-PICES 2024 (virtual)

Intl. Open Science Training

Sept 26/27, Sept 30/Oct 1, Oct 9/10

- International Collaboration/Science Diplomacy
- International Data Management
- Science Communication



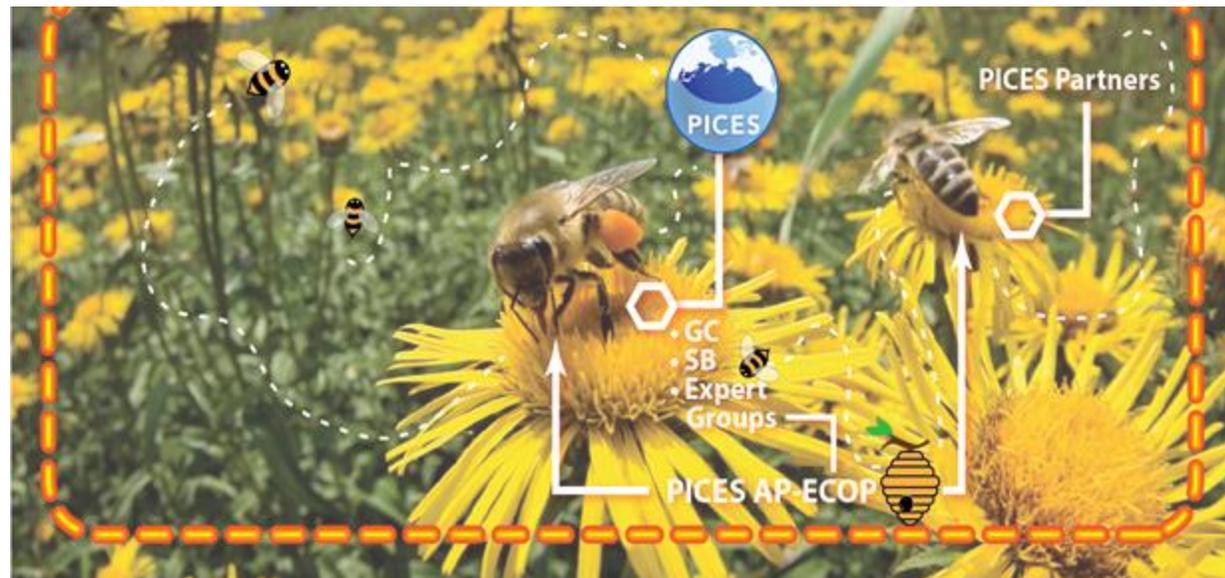
PICES 2024

Introduction to PICES

900-1015, Oct 29 (Room 305A)

New to PICES and want to learn more about how the organization works and how YOU can get involved? Join us for a short session where you will hear a brief overview of PICES and its committees, expert groups, and beyond!

AP-ECOP: The “Cross-Pollinators”



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





AP-ECOP - Mentorship Program



PICES 2024

Afternoon, Oct 29, 30 and 31
(Room 302B)

**Mentors & Mentees were pre-registered for the event and have been ready for communication before PICES-2024*



PICES 2023

26 mentor-mentee pairs were developed.

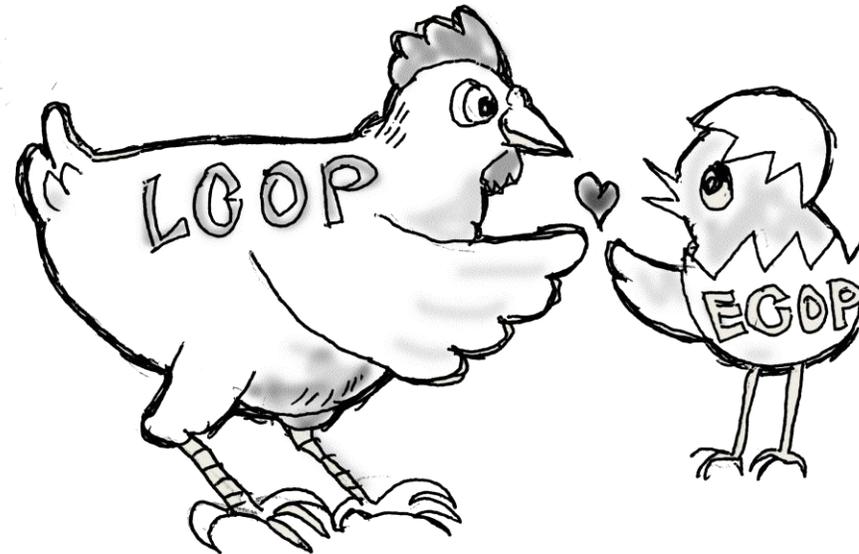




Who are ECOPs?

"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."
([GC2022/S/11](#))

*Because ECOPs are joining, growing up and one day **graduating** to be the PICES leaders...*



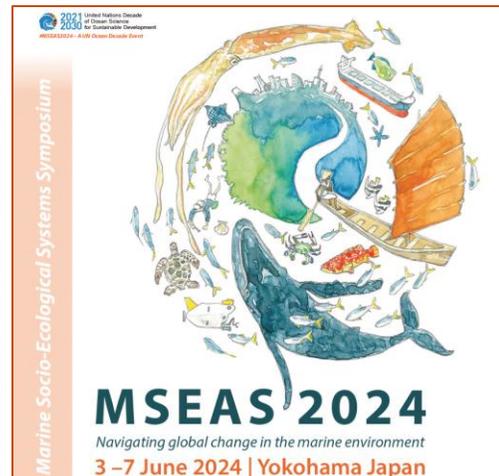
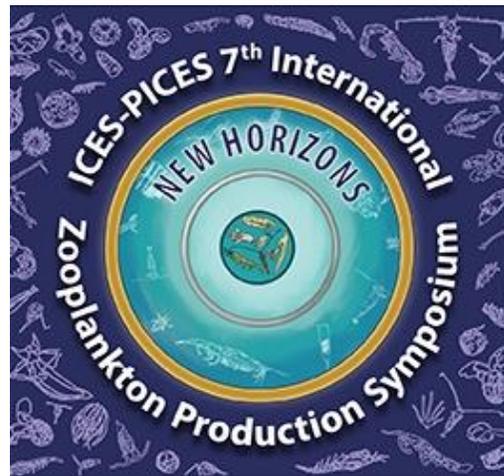
*Every **PICEAN** is continuously encouraged to invite students and young ocean professionals to the PICES Meetings and to recruit them to Expert Groups and AP-ECOPs.*





PICES Capacity Development Framework

Support participation of ECOPs and scientists from underrepresented communities to PICES Events



with SCOR travel support programme

PICES Sponsored International Symposia



Travel of 38 ECOPs are partially supported.

Thank you, USA and Korea, for additional support!

PICES Annual Meeting

Honolulu, USA

PICES Annual Meeting 2024

Oct 26 – Nov 1

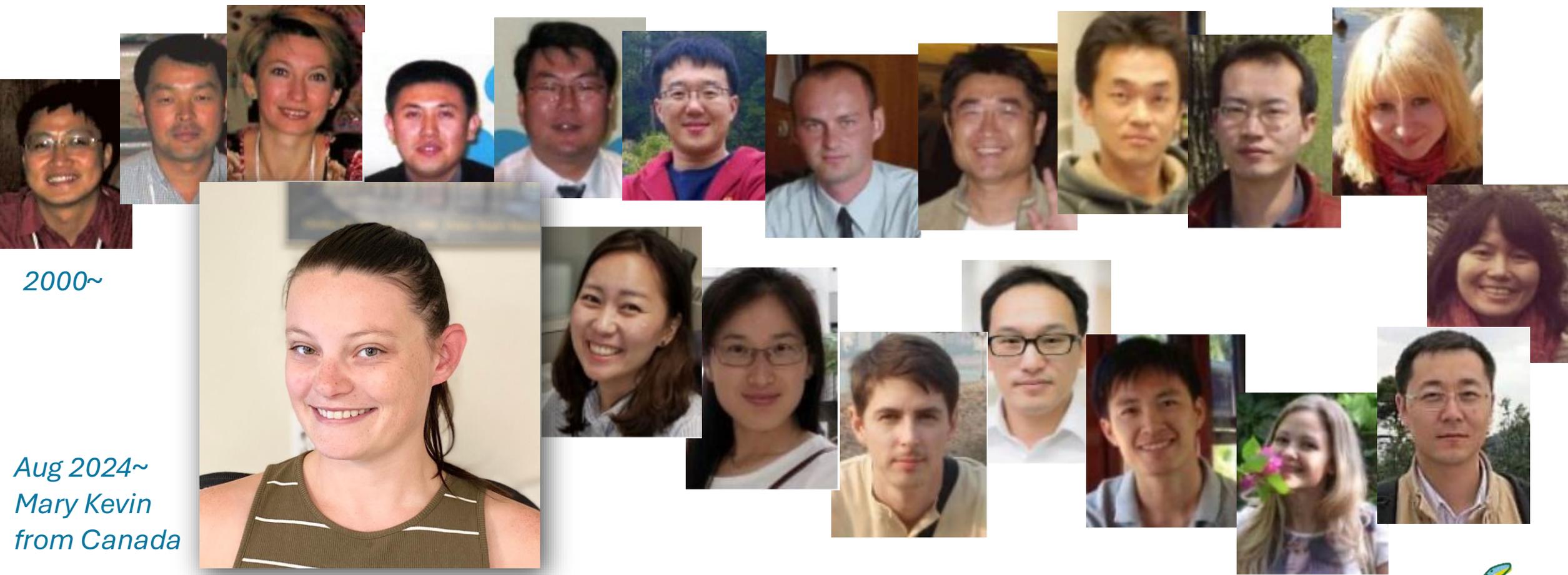




PICES Capacity Development Framework

PICES Intern Program

20 interns have assisted/trained at the PICES Secretariat since 2000



2000~

Aug 2024~
Mary Kevin
from Canada

Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





PICES Collaborations & Partnerships

International/regional organization partners and collaborators



INTERNATIONAL PACIFIC HALIBUT COMMISSION



Asia-Pacific Economic Cooperation



INTERNATIONAL WHALING COMMISSION



NOWPAP Northwest Pacific Action Plan



Observer participants from 17 partners at PICES-2024



Honolulu, USA

PICES Annual Meeting 2024

Oct 26 – Nov 1





Congratulations on CREAMS 30th Anniversary

CREAMS 30th Anniversary CSK-II Joint Workshop

July 25-26, 2024 | SNU

Mugunghwa Hall

CREAMS & CSK-II Joint Workshop:

Promoting International collaboration for Science of East Asian Marginal Seas in a changing climate: circulation, biogeochemistry, ecosystem and socio-economic researches. July 25-26, 2024, Seoul National University



Honolulu, USA

PICES Annual Meeting 2024



Oct 26 – Nov 1





Remembering PICES Friends

Kim JUNIPER

Pre-eminent PICES scientist
March 23, 1954 – June 7, 2024

Professor, University of Victoria,
Chief Scientist of Ocean Network Canada (ONC)

Kim's expertise lies in microbial ecology in deep-sea ecosystems, nitrogen cycling in low-oxygen environments, and zooplankton gut microbiomes. He was a leader in advancing ocean monitoring including the NEPTUNE underwater cabled observatory. As a chair of the AP-North Pacific Coastal Ocean Observation System, he held leadership roles in marine research networks and capacity development for ocean observation in PICES countries.

With his passion for the arts, his legacy includes integrating the arts with science. Kim was also a pioneer in fostering respectful Indigenous partnerships, to merge Indigenous knowledge with ocean science.





Thank you to everyone who made
PICES-2024 happen!

PICES Secretariat Staff



Sonia Batten
Sanae Chiba
Julia Yazvenko
Saeseul Kim
Susan Hannah

Devon Warawa
Alexander Bychkov
Rosalie Rutka
Robin Brown (Emeritus)
Mary Kevin





PICES - 2024

North Pacific Marine Science Organization

Opening Session Closing Remarks

Dr. Sanae Chiba,
PICES Deputy Executive Secretary

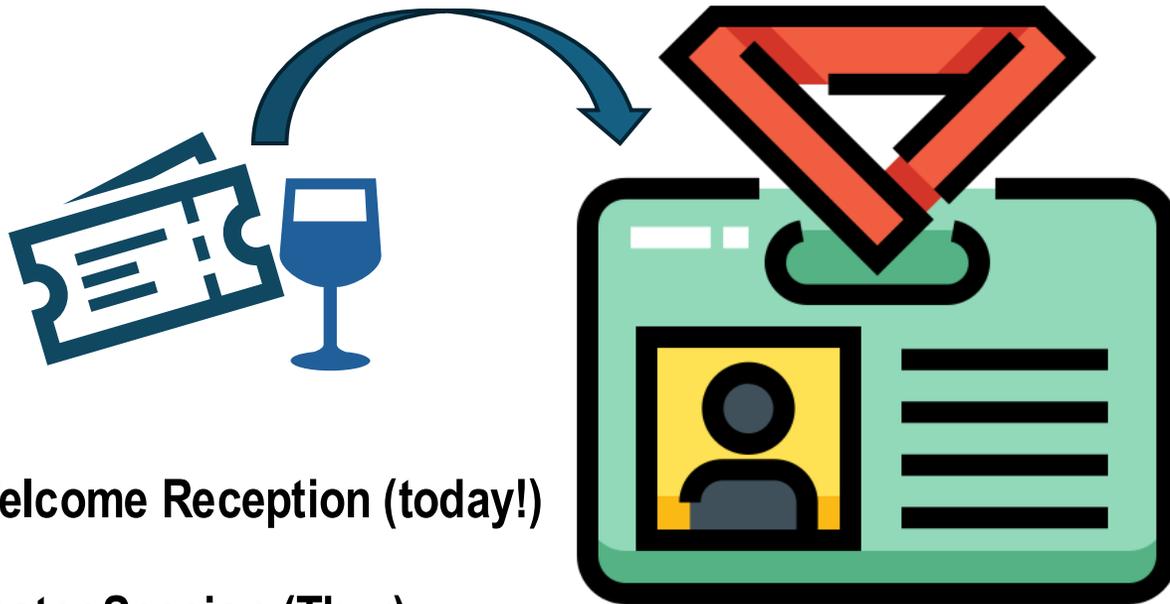
**Tips to make your
days easier
at PICES-2024**





Essentials to Survive

Your name tag is your passport



ECOP



Welcome Reception (today!)



Poster Session (Thur)





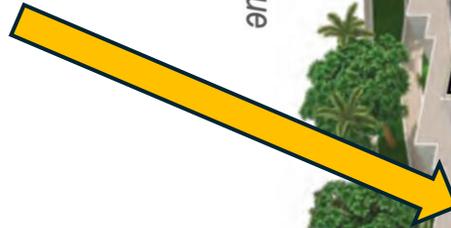
Floor Map: HCC 3F316

*Special Panel
& Closing
Session
(Nov 1)*



310
Theater

*Secretariat
room*



Kalaka'ua Avenue

304A/B

302B

302A

307A

305B

305A

301B 301A

Session
Workshop

Special Panel
Closing Session

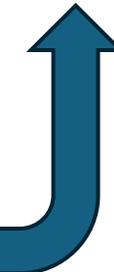
Opening Session
FUTURE Sympo
Poster Session

Business
Meeting

Secretariat

Welcome
Reception

316 B/C



*You are here!
(Oct 28)*

*Poster area
(Oct 29-31)*

311

Registratior



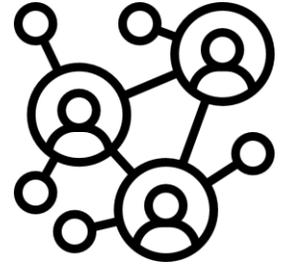
*Outside
rooms*



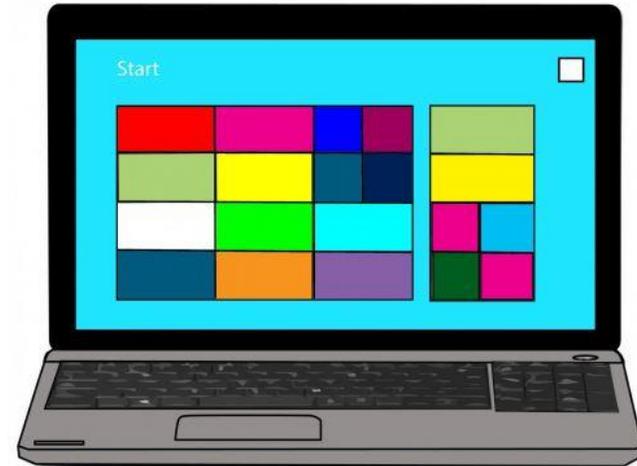


Whova helps

Use **Whova** for checking schedules, social events information, networking, session poll etc.



Or



Take candid photos, and post them on



and/or



(#PICES2024)





Social Event

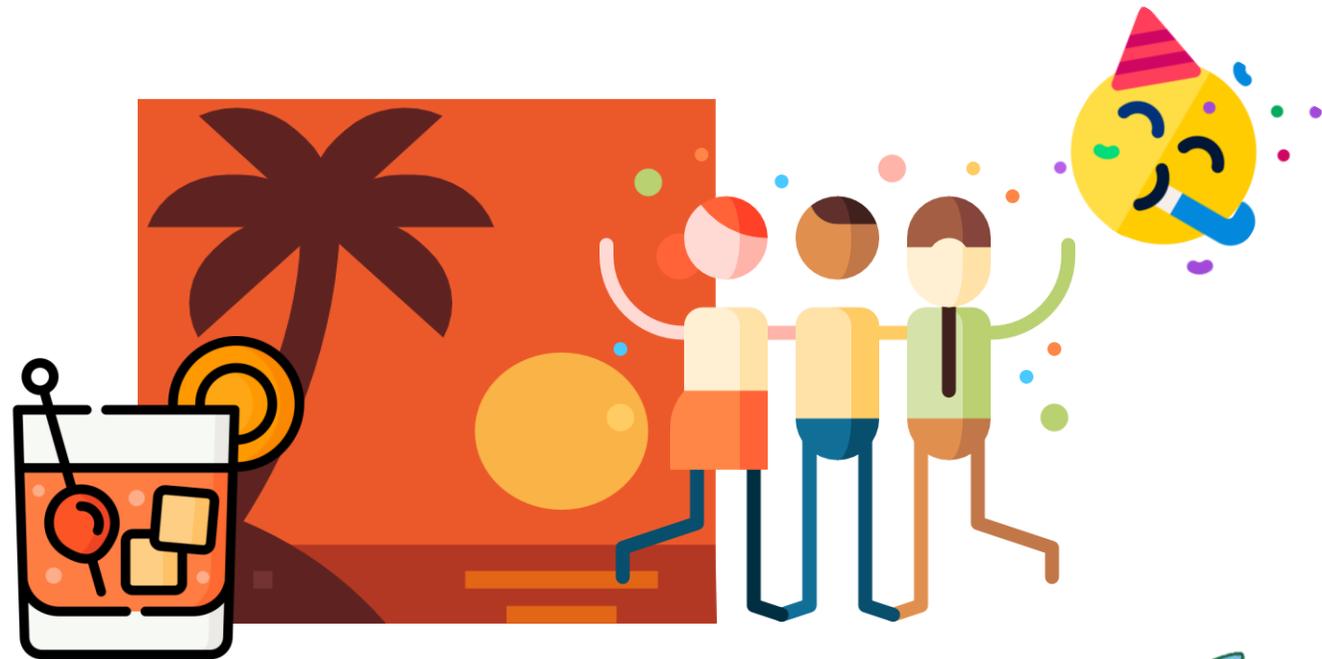
Welcome Reception 18:00-20:00 Oct 28

TODAY!

316B/C



No sports event....



Halloween Poster Session

Session 18:00-20:30 Oct 31

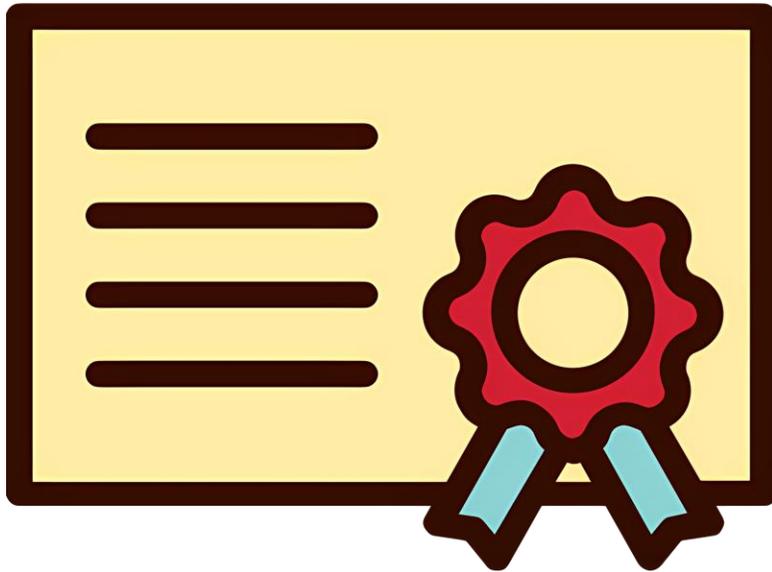
With refreshment

- Register your poster on AM Oct 29
- Arrive at the poster for 18:30-19:30
- During poster session
- Take down the poster at the end of
Poster Session

**Don't forget your
Halloween outfit!**



12:00 – 12:40: Nov 1 (Fri)



Don't miss!

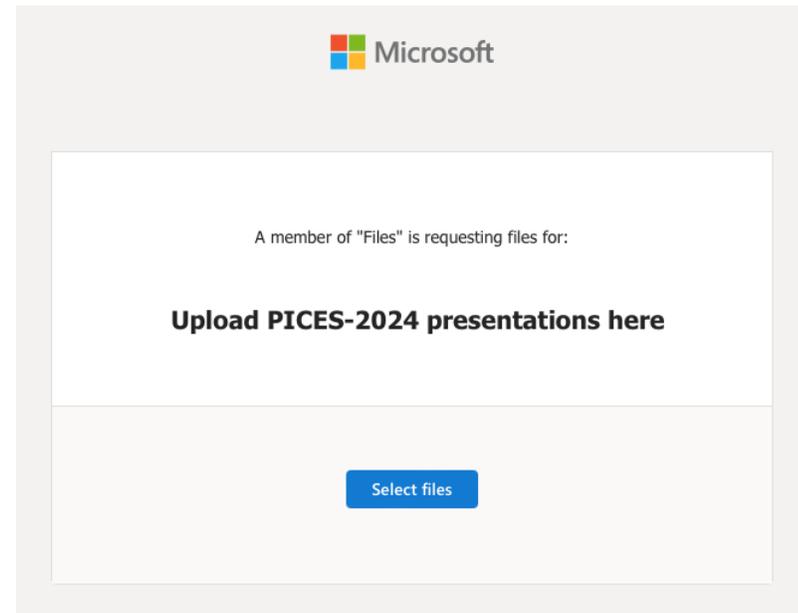
ECOP
Presentation
Awardees will
be announced.





Upload your Presentation File

Upload your presentation file **48 hr** before your Session through the link mailed to you.



If you have an issue in uploading, please see Ms. Julia Yazvenko at Secretariat Room (302A)





We are Family, We are **PICEAN**



Celebrate diversity
and

Communicate thoughtfully



Coffee time ☺



*Please return to this
room before **11:00**
for
FUTURE Symposium*

