



PICES - 2024

North Pacific Marine Science Organization



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

October 26 – November 1
Honolulu, USA

FUTURE Science Program



FORECASTING AND **U**NDERSTANDING **T**RENDS, **U**NCERTAINTY AND
RESPONSES OF NORTH PACIFIC MARINE **E**COSYSTEMS



2014 PICES FUTURE OPEN SCIENCE MEETING

CHARGE: *REVIEW AND ASSESS THE ORGANIZATIONAL
STRUCTURE AND DIRECTIONS OF THE PROGRAM*

*NEW SCIENTIFIC STEERING COMMITTEE, LIAISONS TO
FACILITATE COMMUNICATION AND COLLABORATION*

April 15-18, 2014, Kohala
Coast, Big Island, HI, USA

2014 PICOEARTHWORKS SCIENCE MEETING

SESSIONS

Identifying multiple pressures and system responses

Regional climate modeling

Communicating science and engaging the public

Ecosystem status, trends and forecasts

Mechanisms of change

Human dimension indicators

Ecosystem management in a changing climate

April 15-18, 2014, Kohala Coast, Big Island, HI, USA

FUTURE

Science Program



10 YEARS ON

**CELEBRATE WHAT FUTURE HAS BROUGHT PICES AND
THE NORTH PACIFIC MARINE SCIENCE COMMUNITY**

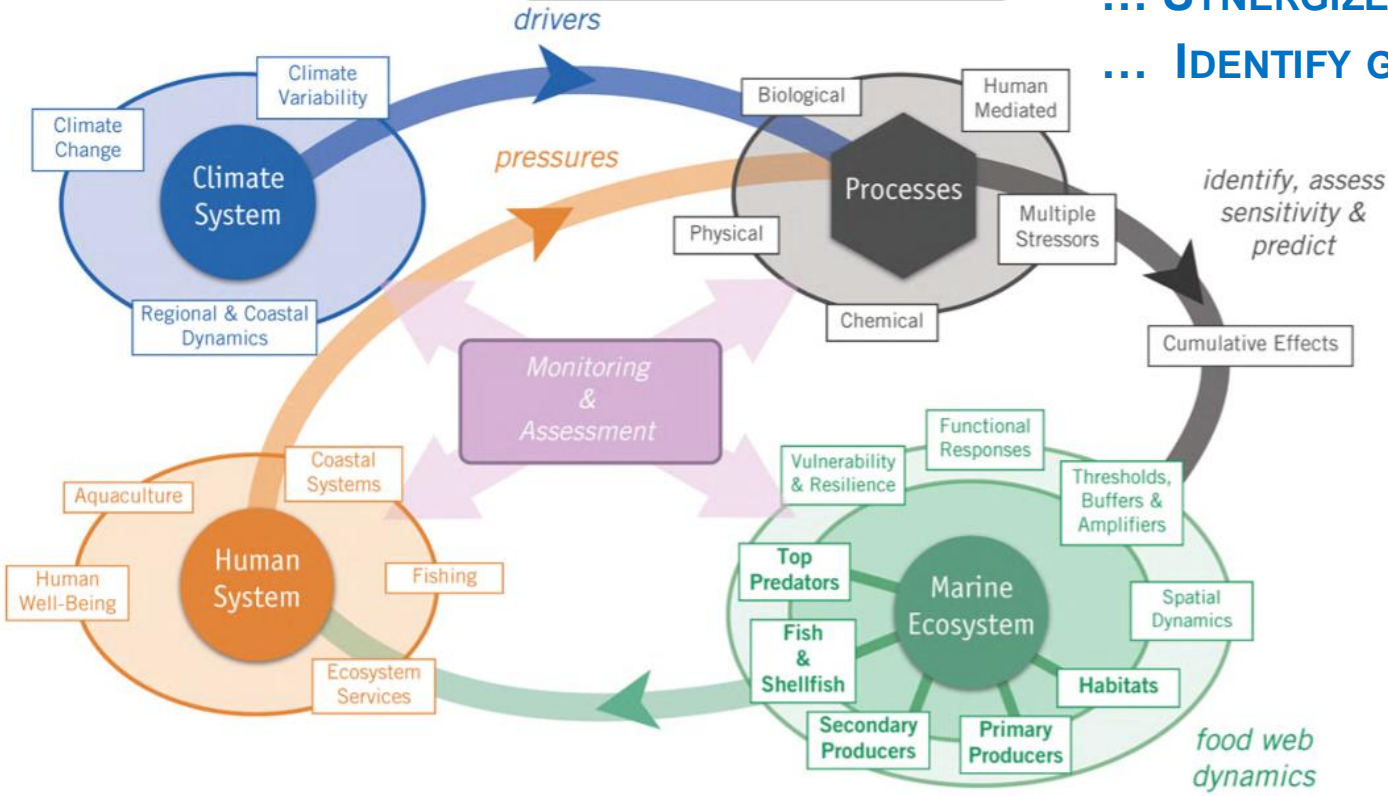




- ➔ FACILITATED TRANS-DISCIPLINARY SCIENCE COLLABORATIONS
- ➔ IMPLEMENTED A SOCIAL-ECOLOGICAL-ENVIRONMENTAL-SYSTEMS APPROACH TO PICES ACTIVITIES
- ➔ EXPANDED HUMAN DIMENSIONS INTO PICES ACTIVITIES
- ➔ PROVIDED ASSESSMENT OF KEY ORGANIZATIONAL STRENGTHS AND GAPS



... SYNERGIZE CONNECTIONS
 ... IDENTIFY GAPS





10 YEARS ON ...

CELEBRATE WHAT **FUTURE** HAS BROUGHT TO **PICES** AND
THE NORTH PACIFIC MARINE SCIENCE COMMUNITY

ASSESS THE STRENGTHS & WEAKNESSES, ACCOMPLISHMENTS &
GAPS OF THE PROGRAM ...

PAVE THE PATH FORWARD FOR **PICES** SCIENCE!



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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



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Science Program



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 (Minkyoung 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



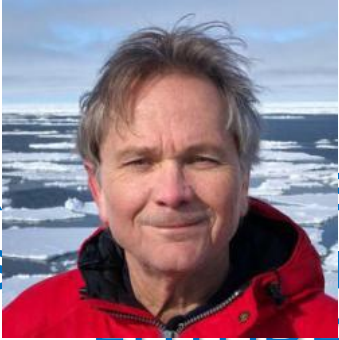
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Science Program



16:00-17:20	<p>Panel Discussion on the Progress, Challenges and Lessons Learned from FUTURE</p> <p>Moderator: Steven Bograd</p> <p>Moderator Questions + Whova audience questions</p> <p>Participants:</p> <ul style="list-style-type: none">• Secretariat (Sanae Chiba)• Canada (Jennifer Boldt)• China (Fangli Qiao)• Japan (Shin-ichi Ito)• Korea (Sinjae Yoo)• Russi (Vladimir Radchenko)• USA (Ryan Rykaczewski)
17:20-17:30	<p>Closing Remarks (Cisco Werner)</p>
17:30	<p>WORKSHOP ENDS</p>





**PROGRAM CHALLENGES AND
LESSONS LEARNED FROM
THE FUTURE**



PANEL QUESTIONS:

1. What do you think is the **most significant contribution** FUTURE has made to the PICES and North Pacific marine science communities?
2. What were the **biggest barriers** in achieving FUTURE's scientific objectives?
3. How should PICES science be **transformed** in the future?

