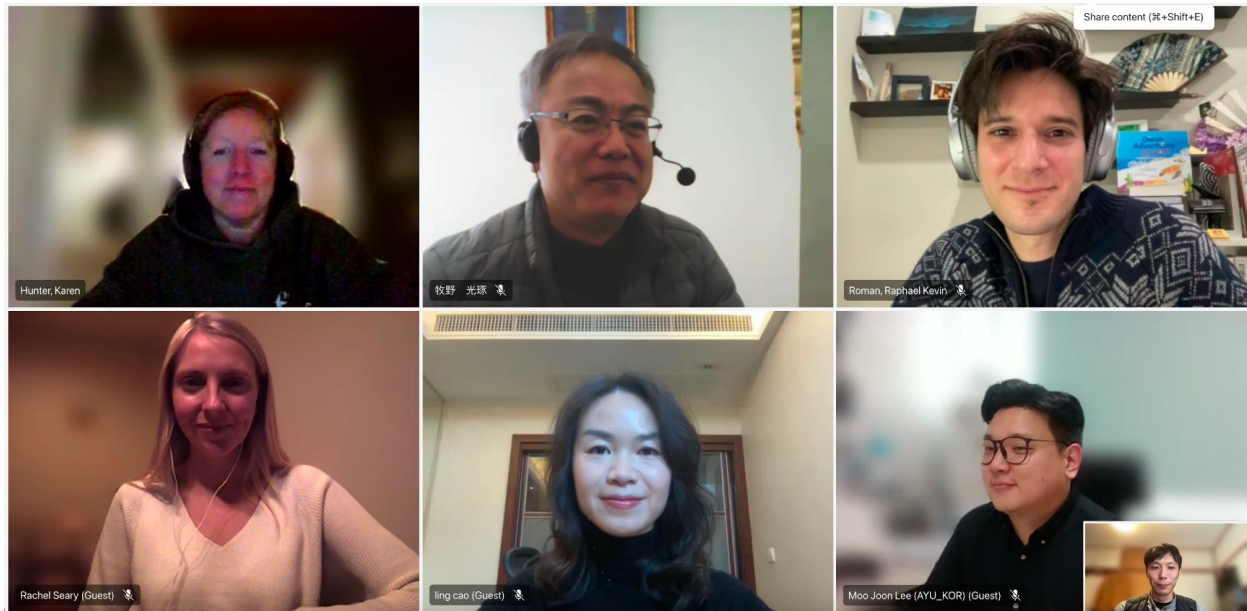


## 2023 Report of Working Group 51: Exploring Human Networks to Power Sustainability

- The Working Group on Exploring Human Networks to Power Sustainability (WG 51) met from 9:00 to 17:30 on December 6, 2023, 17:00–18:00 (Victoria)/ December 7, 2023, 10:00–11:00 (Tokyo) online under the chairmanship of Dr. Shion Takemura (JAPAN) and Ms. Karen Hunter (Canada).
- The meeting objectives were to share the status of WG 51 TOR and discuss a work plan and timeline.
- The participants at this meeting are listed in WG 51 Endnote 1. The agenda for this meeting is presented in WG 51 Endnote 2.



### AGENDA ITEM 1

#### Introduction

- Participants introduced themselves.
- Dr. Takemura explained about the WG, including members, objectives, outputs, and contributions to PICES.

### AGENDA ITEM 2

#### Report on Year 1 Activities

- Dr. Takemura reported on the activities of Y1 so far based on the TOR.

#### A) TOR1

- Dr. Takemura explained the status of TOR1 in Canada and Japan.

- Drs. Lee and Cao reported that Korea and China also have a database.
- Dr. Seary reported that the USA also has a repository. Dr. Seary also noted that we should narrow the topic of data collection since some agencies (e.g., NOAA) cover a wide scope of research beyond just ocean science.
- Dr. Takemura suggested narrowing the topic to fisheries science, and Ms. Hunter pointed out that if we narrow the topic, we need to provide a rationale for the decision, which should be based on the abstract analysis to date.
- Participants decided that the scope of the areas to be narrowed would be determined by looking at the abstract analysis of the previous PICES.
- Dr. Cao suggested covering not only fisheries but also aquaculture (as aquaculture accounts for 70% of total fisheries production in China).
- Participants agreed to share information on repositories held by research institutes in each country at the next meeting.

## **B) TOR2-4**

- Dr. Takemura also explained TOR2-4. (Methods, Correspondence analysis of research topics in 6 countries and comparison between countries, differences in interest between West and East Pacific, and network analysis of affiliated organizations).
- Prof. Makino pointed out that this slide says that a detailed analysis is needed, but that each of us has a different way of thinking. Therefore, comments were therefore exchanged among the participants.
- Dr. Seary commented: in the US, the goal is ecosystem-based management. It makes sense that much of the research in the U.S. is moving toward ecosystem-based management, and she would be interested to see if what we see in other countries is consistent with that strategy.
- Dr. Cao added that she would like to follow up to see what contribution we can make.
- Dr. Lee commented on the interpretation of the results: he wonders if the differences are due to differences in the number of attendees at the annual meeting rather than country.
- Participants agreed that after this meeting, we would exchange ideas and perspectives via email communication and discuss next steps at the next online meeting.

## AGENDA ITEM 3

### **Year 2 activity plan**

- Participants will exchange ideas for year 2 work via email and decide at the next meeting in February 2024.
- Dr. Takemura will send an e-mail to arrange the schedule.

## AGENDA ITEM 4

### **Others (next meeting)**

- WG51 will hold meetings in April and August 2024, and a WS & business meeting in October 2024.

**WG51 Endnote 1****WG51 1<sup>st</sup> online meeting participation list**Members

Shion Takemura (Japan, Co-Chair) [HD]  
 Karen Hunter (Canada, Co-Chair) [HD]  
 Raphael Kevin Roman (Canada)  
 Ling Cao (China)  
 Mitsutaku MAKINO (Japan)  
 Moo Joon Lee (Korea)  
 Rachel Seary (USA)

Members unable to attend

Korea: Jongseong Ryu

**WG51 Endnote 2****WG51 1<sup>st</sup> online meeting agenda**

1. Introduction
2. Report on Year 1 Activities
  - A) TOR1
  - B) TOR2-4
3. Year 2 activity plan
4. Others (next meeting)

**WG51 Endnote 3**

**Proposal for a Workshop on  
 “Workshop on Exploring Human Networks to Power Sustainability in North Pacific Ocean”  
 at PICES-2024**

WORKSHOP DURATION	1.0day
CONVENORS	<ul style="list-style-type: none"> <li>• Shion TAKEMURA (JAPAN)*</li> <li>• Moo Joon Lee (KOREA)</li> <li>• Ling Cao (CHINA)</li> <li>• Karen Hunter (CANADA)</li> </ul> *corresponding
INVITED SPEAKERS	<ul style="list-style-type: none"> <li>• Raphaël ROMAN (UNESCO/ECOP Regional Coordinator for Asia)</li> <li>• Rachel Seary (NOAA)</li> </ul>
WORKSHOP DESCRIPTION	The Human Dimension Committee has been conducting analysis since 2020 to conduct a preliminary assessment of the PICES human network towards understanding how the organization may already be addressing a variety of UNDOS goals. The research team assembled and analyzed research products created within PICES since 1992 (Annual Meeting Books of Abstracts). WG51 on “Exploring Human Networks to Power Sustainability” aims to expand our initial work on the PICES organization by

	<p>studying linkages among research activities and their social networks within PICES nations and other significant marine science organizations around the globe. The working group will update the database of PICES Abstract books until the proposed workshop. The practical workshop is for WG 51 members and other interested participants to (1) analyze case studies using updated version of the database by each PICES nations, (2) identify 100 keywords for each case studies for correspondence analysis and (3) create list of research institutions of each PICES member nation for network analysis and (4) establish the database for the final analysis in the following year (the final year of WG-51).</p>
non-PICES-CoSPONSORS	
PICES Expert Group SPONSORS	WG-51, HD, FUTURE
PUBLICATION	Yes (ICES JMS)