



## **NPOCE SSC 2019 Annual Meeting Summary**

**The NPOCE SSC 2019 Annual Meeting took place at Hawaii Convention Center in Honolulu, the US on September 20, 2019, and welcomed about 30 attendees including 11 SSC members and 7 invitees. The meeting was very fruitful with an SSC annual report on NPOCE progresses in the last year and discussed plan for NPOCE phase-II.**

### **1. Opening and NPOCE SSC Report (Chaired by Dunxin Hu)**

Prof. Dunxin Hu welcomed all attendees (Appendix I) and proposed the meeting agenda for consensus (Appendix II).

### **2. NPOCE Member Report (Chaired by Fan Wang)**

Please see the appendix II for detailed information.

### **3. Flash talk - Invitees Free Talk (Chaired by Fan Wang)**

Invitees highly appreciated the contribution of NPOCE to the western Pacific Ocean circulation and climate study and expressed their high expectations for the NPOCE program in the future. Jose Santos, as executive director of International CLIVAR Project Office, expressed that CLIVAR regards NPOCE activity as one of the CLIVAR highlights, and encouraged collaborations with CLIVAR training program in capacity building to teach and mentor early-career scientists around the world. Xiaopei Lin, on behalf of CLIVAR Pacific Region Panel suggested coordinating NPOCE activities in CLIVAR, WESTPAC/IOC and UN Decade to include more members and institutions to highlight the NPOCE more internationally. Huijie Xue shared a talk of “An Inter-Basin Pacific-Indian Ocean Model”, and suggested the mixing study in NPOCE plan.

### **4. Discussion and Actions (Chaired by Janet Sprintall)**

- **NPOCE-II: extension/expansion**

After a comprehensive discussion, all members agreed to extend the NPOCE program to NPOCE-II (2021-2025), and also expand the research fields to include part of South Pacific Ocean and Indian Ocean, a new NPOCE science plan should be finalized by 2021.

- **NPOCE data policy**

A draft of initial data sharing policy of the NPOCE program was proposed, small working groups including SSC members and invited experts was suggested to develop a suitable data policy and discuss best practices for QC of moored velocity measurements with aim to produce a velocity atlas of LLWBCs and ITF. The IOCAS will host the data policy and the NPOCE will implement it.

- **Multi-institutional cruises**

Follow up with IOC WESTPAC to see if they can help with coordination of multi-institutional cruises, which can overcome the EEZ issues in some key regions of field

experiments. An observation training for young scientists and students from developing countries will be proposed by the NPOCE with a joint sponsor of POGO and IOCAS in 2019/2020.

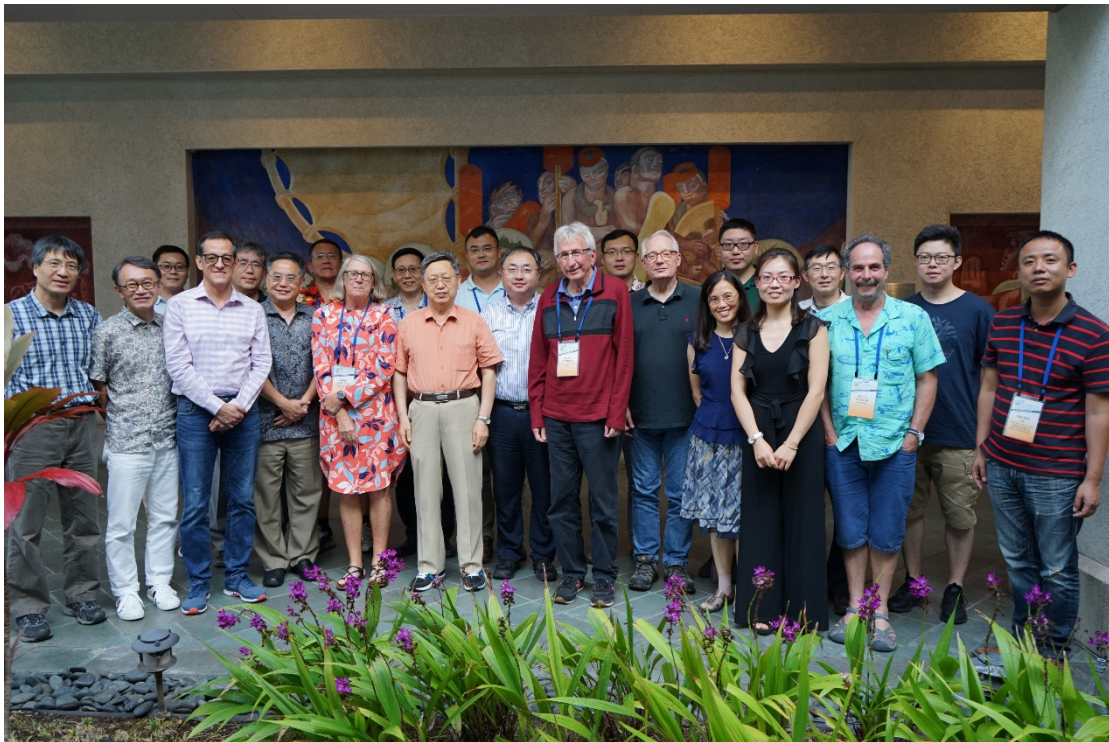
- **SSC membership**

An email will be sent to all members requesting their interest in remaining a member of NPOCE for the next 3 years. If the member is not interested, he/she can recommend someone (women and early career scientists take precedence) from their team or country that might be appropriate (A response should be requested within 1 month after the email has been sent else assume the member is no longer interested). Nominate new SSC members from developing countries, for instance, Papua New Guinea.

- **Other discussion items**

Improve NPOCE website with more information about field experiment and research progress. Encourage collaborations and co-authored scientific papers among SSC members with topics as LLWBC connections, a whole picture of the circulation and climatic variability of the northwestern Pacific Ocean achieved by the NPOCE program. The 2020 NPOCE SSC meeting will be held in Manila, Philippines (July/August, 2020). The 4th Open Science Symposium (OSS) on Western Pacific Ocean Circulation and Climate is suggested to be held in November 2021 in Xiamen or Malaysia.

## 5. Meeting Photos



Group photo of participants





NPOCE 2019 annual report by Fan Wang, vice chair of SSC



Discussion session chaired by Janet Sprintall, vice chair of NPOCE



Group photo of SSC members



## Appendix I ATTENDEES

### a. SSC Members

Wenju Cai	Commonwealth Scientific and Industrial Research Organization, Australia
Fei Chai	University of Maine, US
Zhaohui Chen	Ocean University of China, China
Dunxin Hu	Institute of Oceanology, Chinese Academy of Sciences, China
William Kessler	National Oceanic and Atmospheric Administration, US
Jae-Hak Lee	Korea Institute of Ocean Science and Technology, Korea
Bo Qiu	University of Hawaii, US
Stephen Riser	University of Washington, US
Hiroaki Saito	The University of Tokyo, Japan
Janet Sprintall	Scripps Institution of Oceanography, US
Fan Wang	Institute of Oceanology, Chinese Academy of Sciences, China
Dongliang Yuan	Institute of Oceanology, Chinese Academy of Sciences, China

### Apologies

Kentaro Ando	JAMSTEC, Japan
Minhan Dai	Xiamen University, China
Dirham Dirhamsyah	Indonesian Institute of Sciences, Indonesia
Arnold Gordon	Columbia University
Jae-Hun Park	Inha University, Korea
Alex Sen Gupta	University of New South Wales, Australia
Cesar Villanoy	University of the Philippines, Philippines

### b. Invitees

Xiaopei Lin	Ocean University of China, China
Michael McPhaden	National Oceanic and Atmospheric Administration, US
Dean Roemmich	Scripps Institution of Oceanography, US
Vladimir Ryabinin	Intergovernmental Oceanographic Commission of UNESCO
Jose Santos	International CLIVAR Project Office
Huijie Xue	University of Maine, US
Dongxiao Zhang	University of Washington, US

### c. NPOCE office

Yixin Ma	Institute of Oceanology, Chinese Academy of Sciences, China
Hui Zhou	Institute of Oceanology, Chinese Academy of Sciences, China

### d.

Peizhou Cheng	Institute of Oceanology, Chinese Academy of Sciences, China
Meishan Du	Institute of Oceanology, Chinese Academy of Sciences, China
Shijian Hu	Institute of Oceanology, Chinese Academy of Sciences, China
Fan Jia	Institute of Oceanology, Chinese Academy of Sciences, China
Jianing Wang	Institute of Oceanology, Chinese Academy of Sciences, China
Linlin Zhang	Institute of Oceanology, Chinese Academy of Sciences, China
Xiangguang Zhang	Institute of Oceanology, Chinese Academy of Sciences, China





**Appendix II. AGENDA**

**Event's Schedule**

**Northwestern Pacific Ocean Circulation and Climate Experiment (NPOCE)  
2019 Scientific Steering Committee (SSC) Meeting**

September 20, 2019

Room 309, Hawaii Convention Center  
1801 Kalakaua Avenue, Honolulu, HI 96815

<b>Time</b>	<b>Session</b>	<b>Presentation and Presenter</b>	<b>Chair</b>
13:30 - 13:40	Opening	· Opening remarks - Dunxin Hu	Dunxin Hu
13:40 - 14:00	Annual Report	· NPOCE progress during last year - Fan Wang	
14:00 - 14:10	Members' Report	· Fei Chai: BGC-Argo Observations in the Western Pacific	Fan Wang
14:10 - 14:20		· Zhaohui Chen: 1) Poleward Shift of the Pacific North Equatorial Current Bifurcation 2) A newly designed mini-buoy (drifting air-sea interface buoy)	
14:20 - 14:30		· William Kessler: Equatorward western boundary transport from the South Pacific: Glider observations, dynamics and consequences	
14:30 - 14:40		· Jae-Hak Lee: Subsurface eddy in the LLWBC area	
14:40 - 14:50		· Bo Qiu: Short-term nonlinear behaviors of the western tropical Pacific Ocean	
14:50 - 15:00		· Stephen Riser: NPOCE-related Activities	
15:00 - 15:10		· Hiroaki Saito: Interdisciplinary study of the Kuroshio: Achievements and remaining issues	
15:10 - 15:20		· Janet Sprintall: MINTIE: New Measurements of the ITF	
15:20 - 15:30		· Dongliang Yuan: Latest progress in the study of ocean circulation in the equatorial western Pacific and at the entrance and exit of the Indonesian Throughflow	
15:30 - 16:00		Flash Talk	
16:00 - 16:20	Coffee Break and Group Photo		
16:20 - 17:50	SSC Closed Discussion	<ol style="list-style-type: none"> <li>1. NPOCE-II: extension/expansion</li> <li>2. NPOCE data sharing policy</li> <li>3. Multi-institutional cruises</li> <li>4. Encourage SSC member co-authorship</li> <li>5. NPOCE observation training for young scientists and students from developing countries</li> <li>6. Improve NPOCE website with more information about field experiment and research progress</li> <li>7. Request to SSC members to actively involved in NPOCE activities, especially communication with NPOCE secretariat.</li> <li>8. Next SSC meeting venue and time</li> <li>9. others</li> </ol>	Janet Sprintall
18:00	Dinner		