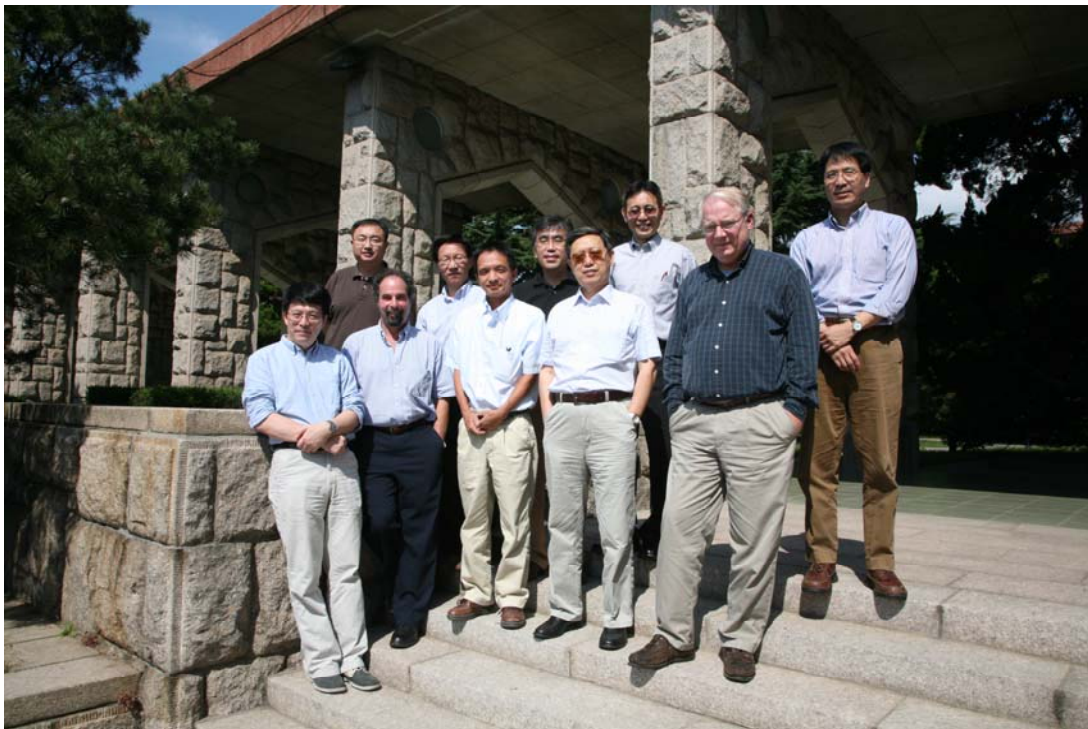


Summary of Minutes of NPOCE Science Steering Committee
(SSC)-2011 Meeting

September 26-27, 2011 Qingdao, China

Hosted by
Institute of Oceanology, Chinese Academy of Sciences



SSC members at the NPOCE SSC-11 Meeting: from left to right: Dake Chen, Fan Wang, William S Kessler, Lixin Wu, Kentaro Ando, Jae Hak Lee, Dunxin Hu, Wenju Cai, Stephen Riser, Bo Qiu

1. Introduction

NPOCE Science Steering Committee (SSC) Meeting-2011 was held on September 26-27, 2011 in Qingdao, China. The 1st day was devoted to NPOCE SSC working meeting of “The Past and Future of NPOCE”. A series of presentations by SSC members showed progresses and plans in their countries or in their own projects especially on observations in the northwestern Pacific Ocean, as well as modeling. (See Appendix 1 for the meeting’s agenda). On the 2nd day an NPOCE workshop was held in IOCAS; Two SSC members Dr. Bo Qiu from University of Hawaii and Dr. William S Kessler from NOAA were invited to give talks, followed by ten local junior scientists and Ph D students’ presentations. The workshop went quite well. Discussion and communication between SSC members and the local young scientists were very active. The one-day workshop was fruitful and successful, of which SSC members got very impressive and the young guys learned a lot. Good practice! (For the titles of the presentations, see Appendix 2)

2. Opening

The chair of NPOCE SSC, Prof. Dunxin Hu opened the NPOCE SSC-2011 meeting and welcomed all participants at the premises of the meeting. Then an NPOCE SSC meeting agenda got unanimous agreement. He noted the commitment of NPOCE to CLIVAR and briefly mentioned recent progress of NPOCE program in the northwestern Pacific Ocean. The SSC meeting was attended by its members except the absence of Drs. Arnold Gordon (US), Adi Rameyo (Indonesia) and Cesar Villanoy (Philippines) owing to their unmatchable schedules. The chair of CLIVAR Pacific Panel Dr. Wenju Cai was invited to attend the meeting. The staff of NPOCE office, Dr. Jing Wang and Ms. Cong Yin attended the meeting as well. The name list is the following.

3. List of attendants on NPOCE SSC-2011 Meeting

Name	Division	E-mail
Kentaro Ando	Indo-Pacific Ocean Climate Research Team, JAMSTEC, Japan	andouk@jamstec.go.jp
Wenju Cai	Common wealth Scientific and Industrial Research organization (CSIRO), Australia	Wenju.Cai@csiro.au
Dake Chen	Second Institute of Oceanography, State Oceanic Administration,	dchen@sio.org.cn

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	China	
Dunxin Hu	Institute of Oceanology, Chinese Academy of Sciences, China	dxhu@qdio.ac.cn
William S. Kessler	NOAA / Pacific Marine Environmental Laboratory, US	william.s.kessler@noaa.gov
Jae-Hak Lee	Korea Ocean Research and Development Institute, Korea	jhlee@kordi.re.kr
Bo Qiu	School of Ocean and Earth Science and Technology, University of Hawaii, US	bo@soest.hawaii.edu
Stephen Riser	School of Oceanography, University of Washington, US	riser@ocean.washington.edu
Fan Wang	Institute of Oceanology, Chinese Academy of Sciences, China	fwang@ms.qdio.ac.cn
Lixin Wu	Ocean University of China, China	lxwu@ouc.edu.cn
Jing Wang	Institute of Oceanology, Chinese Academy of Sciences, China	wangjing@qdio.ac.cn
Cong Yin	Institute of Oceanology, Chinese Academy of Sciences, China	qdyc2001@gmail.com

4. Summary of Decisions

Decision 1. Promote observation of NPOCE next year among the participating projects.

Decision 2. Three scientists were approved as candidates of NPOCE SSC members.

- Dongchull Jeon
- Yukio Masumoto
- Andreas Schiller

Need final check of the candidates' acceptance of membership.

Decision 3. Open Science Symposium (OSS) of NPOCE shall be jointly conducted with SPICE.

- A.** Time: October 15-17, 2012
- B.** Venue: Qingdao, China
- C.** Size: about 200 participants
- D.** Themes of OSS:
 - Theme 1: Western Boundary Currents (WBCs) dynamics and variability;
 - Theme 2: Interaction of WBCs with ambient circulation systems (e.g. SCS, ITF, IO, extra-tropical ocean);
 - Theme 3: Roles of WPO circulation variability in warm pool and ENSO variability;
 - Theme 4: Influences of WPO in regional (e.g. monsoon, typhoon) and global climate systems and their predictability;
 - Theme 5: Impacts of WPO on carbon cycle, biogeochemical process and ecosystem;
- E.** Scientific organizing committee, keynote speakers and invited speakers were discussed and will be finally determined soon.

Decision 4. OSS on "Ocean Circulation and Climate in the Western Pacific Ocean" should be held sequentially in the future.

5. Actions

Action 1. Revised version of NPOCE Science/Implementation plan to be sent from NPOCE office early October 2011 to all co-authors, who should give feedback within ten days afterwards;

Action 2. A poster to be prepared by NPOCE office for WCRP OSC by October 21;

Action 3. To prepare NPOCE annual report to CLIVAR, for which each SSC member should submit about 1.5 pages to NPOCE office by October 8;

Action 4. To expand NPOCE SSC membership with three candidates as follows

- Dongchull Jeon (KORDI, Korea)
- Yukio Masumoto (JAMSTEC, Japan)
- Andreas Schiller (CSIRO, Australia)

After confirmation of their agreement they will become formal members.

6. Miscellaneous

A. Data-sharing

- NPOCE data will be open to public after two years of project.

B. Observation near the Pacific portal of ITF:

- An observation system to monitor Halmahera Eddy and Mindanao Eddy is needed in the area between Mindanao and New Guinea for study in WPO interaction with ITF. An ITF Task Team meeting to be held in March 2012 in Indonesia will cover this region.

Appendix1: NPOCE SSC-2011 meeting agenda

Day1: Sep. 26, 2011 SSC Meeting Badaguan Hotel

Time	Topic	Speaker
08:30-08:45	Opening and welcome remarks, and agenda	Dunxin Hu
08:45-10:30	Review of progresses so far	Each of SSC members Rapporteur: Jing Wang
10:30-10:50	Tea break/ Group Photo	
10:50-12:00	Review of progresses so far	Each of SSC members Rapporteur: Jing Wang
12:00-13:30	Lunch	Badaguan Hotel
13:30-17:00	<p>Plan for the next year</p> <ul style="list-style-type: none"> ● Membership; ● Publication of NPOCE S/I Plan (get through first, final input, date of submission to publisher (middle October.)); ● Open Science Symposium in 2012: Time (middle October. 2012), venue (Qingdao), Themes (See PPT), Size (200-300), scientific committee, local organizing committee, invited speakers, first announcement (middle Oct. with booklet); ● NPOCE poster for WCRP OSC; ● Annual report to CLIVAR. 	SSC members Rapporteur: Jing Wang
15:30-15:50	Tea break	
17:00-17:30	Summary	Dunxin Hu
18:00--	Welcome Dinner	Westlake Garden Hotel

Appendix2: NPOCE workshop agenda

DAY2: Sep. 27, 2011 **Workshop** **IOCAS Conference Hall**

Time	Topic	Speaker
8:30-8:40	Opening remarks	Dunxin Hu
Chair: Dake Chen		
8:40-9:25	Multi-Scale Circulation Variability in the Low-Latitude Western North Pacific Ocean.	Bo Qiu (Univ. Hawaii)
9:25-10:10	Measuring the New Guinea Coastal Undercurrent with ocean gliders	William S. Kessler (NOAA/PMEL)
10:10-10:30	Tea Break	
Chair: Fan Wang		
10:30-10:55	Origin and pathway of the Luzon Undercurrent identified by a simulated adjoint tracer.	Shan Gao (IOCAS)
10:55-11:20	Interannual variability of transport and bifurcation of the North Equatorial Current in the Northwestern Tropical Pacific Ocean.	Fangguo Zhai (IOCAS)
11:20-11:45	A time-dependent analytical model of NEC bifurcation.	Fujun Wang (IOCAS)
12:00-13:30	Lunch	
Chair: Bo Qiu		
13:30-13:55	Modulation of the North Equatorial Current bifurcation from global warming	Zhaohui Chen (OUC)
13:55-14:20	Heat center of the western Pacific warm pool.	Shijian Hu (IOCAS)
14:20-14:55	Hysteresis and dynamics of western boundary currents flowing by a wide gap.	Zheng Wang (IOCAS)
14:55-15:20	Water mass formation/erosion in the global oceans: subduction/obduction and their variability.	Lingling Liu (IOCAS)
15:20-15:35	Tea break	
Chair: Dongliang Yuan		
15:35-16:00	Low-frequency Coupled Atmosphere–Ocean Variability in the Southern Indian Ocean.	Junqiao Feng (IOCAS)
16:00-16:25	Forcing of the Indian Ocean Dipole on the Interannual Variations of the Tropical Pacific Ocean: Roles of the Indonesian Throughflow.	Jing Wang (IOCAS)
16:25-16:50	Monitoring Subsurface Oceanic Variability with Satellite Altimetry Measurements	Linlin Zhang (IOCAS)