

IOP-9 MEETING

15-17 Oct 2012, Cape Town, South Africa

Agenda (Oct. 11, 2012)

Participants:

IOP members (12):

Ming Feng, Weiqing Han, Raleigh Hood, Tony Lee, Yukio Masumoto, Michael McPhaden, M. Ravichandran, Will de Ruijter, Toshiaki Shinoda, Agus Supangat, Jerome Vialard, Weidong Yu

Apology for absence: Gabriel Vecchi, Debasis Sengupta, Charles Magori

Invited experts (11):

David M Legler, NOAA, USA

Sidney Thurston, NOAA, USA

David Vousden, Regional Director, ASCLME

Mika Odido, Head, IOC-Africa

Kunio Yoneyama, JAMSTEC, Japan

Makio Honda, JAMSTEC, Japan

Andreas Schiller, CSIRO, Australia

Johan Stander, Weather Service, South Africa

S S C Sheno, INCOIS, India

T. Srinivasakumar, Acting Chair, IOGOOS

M. Nagaraja Kumar, Secretary, IOGOOS

ICPO staff: Nico Caltabiano

IOC Perth Office: Nick D'Adamo

Note: IOP-9 will be held in conjunction with the 9th Indian Ocean Global Ocean Observing System (IOGOOS), the 3rd SIBER-SSG meeting and the 3rd IndoOOS Resource Forum (IRF). One joint session between IOP and SIBER will be held on the morning of 17th Oct. 2012.

DAY-1 (Monday Oct 15) Morning

[9:00-10:15] Welcome by patrons and local organizer

- Welcome by WCRP/CLIVAR (*Nico Caltabiano*)
- Welcome by UNESCO IOC Perth Office (*Nick D'Adamo*)
- Self-introduction
- Some logistical announcements

- Review of the agenda and Action Items from IOP-8 (*M. Ravichandran and W. Yu*)
- Report on SSG-19 (*Weidong Yu, M. Ravichandran, Nico Caltabiano*)

[10:15-10:30] Coffee break

[10:30-12:30] Updates on IndOOS

- RAMA (*M. McPhaden, W. Yu, Y. Masumoto/Ken Ando, totally 40 min presentation + 10 min discussion*)
- Argo, Surface drifters and Tide gauges (*M. Ravichandran, 15min presentation + 5 min discussion*)
- XBT Network (*M. Feng, 10 min presentation + 5 min discussion*)
- Applications of Aquarius data for tropical Indo-Pacific studies (*Tony Lee, 15 min presentation + 5 min discussion*)
- Some discussion on coordinating ship time and developing link with XBT, drifter, tide gauge community (*15 min*)

[12:30-14:00] Lunch

DAY-1 (Monday Oct 15) Afternoon

[14:00 – 17:00] Science talks (15 min presentation + 5 min discussion)

(This session will illustrate the recent progress on the driving processes behind the IndOOS, including: cyclone/extreme weather, monsoon including intra-seasonal variations, interannual variations with IOD and El Nino, decadal variations, trend, circulation and biogeochemical process)

- Bay of Bengal cyclones: Climatology (*W. Yu*)
- Bay of Bengal cyclones: Interannual variations (*M. Ravichandran*)
- Impacts of tropical cyclones on the Bay of Bengal heat budget (*W. Han*)
- Influence of ocean stratification in the BOB on the cyclone cold wake (*J. Vialard*)
- Indian Ocean Dipole interpreted in terms of Recharge Oscillator Theory (*M. McPhaden*)
- An unprecedented warming event in the southeast Indian Ocean forced by the 2010-2011 La Nina (*M. Feng*)
- Eastern Indian Ocean warming associated with the negative Indian Ocean dipole: A case study of the 2010 event (*Ken Ando*)
- Surface wind and upper ocean variability in the Indian Ocean associated with the MJO simulated a regional coupled model (*Toshiaki Shinoda*)
- Interannual and decadal variability in the southwestern Indian Ocean (*W. P.M. de Ruijter*)

DAY-2 (Tuesday Oct 16) Morning

[09:00-12:30] Interactions between regional and basin-scale observing systems (15 min presentation + 5 min discussion)

- 'Aide-Memoire' between ASCLME and the IOP (*D. Vousden*)
- Western Australia IMOS (*M. Feng*)
- Indian observing system (*M. Ravichandran*)
- Monsoon Onset Monitoring and its Social and Ecosystem Impacts (MOMSEI) (*W. Yu*)

[10:20-10:40] Coffee break

- Report on the outcome of Chapman conference on the Greater Agulhas system (*W. de Ruijter*)
- CINDY/DYNAMO (*K. Yoneyama and D. M. Legler*)
- Plans for a French contribution to Cindy/Dynamo (*J. Vialard*)
- Linkages between IOC-Africa and IOP (*Mika Odido*)
- NOAA bilateral programs in the region including capacity building activities in the western Indian Ocean (*Sid Thurston*)

[12:30-14:00] Lunch

DAY-2 (Tuesday Oct 16) Afternoon

[14:00-15:20] Related activities (15 min presentation + 5 min discussion)

- IO decadal variations review paper (*Weiqing Han, J. Vialard, two separate talks*)
- ITF-TT (*Y. Masumoto*)
- Discussions about IOP inputs to IRF-3, including issues of IndOOS implementation (*all*)

[15:20-15:35] Coffee Break

[15:35-16:20] New Research Directions

- General discussion about the future direction of the climate related studies in the Indian Ocean (Please bring your idea for the discussion, Leader: *Weidong Yu and M. Ravichandran*)
- Review paper: 10 years of IndOOS: What we have achieved so far? (Leader: *Michael McPhaden, Y. Masumoto*)
- Strengthening Outreach and Capacity building activities

[16:20-17:00] Panel Business

- Membership and next panel meeting (*panel members*)
- Identify action items (*all members*)
- Wrap-up discussion (*all members*)

DAY-3 (WEDNESDAY Oct 17) Joint SIBER-IOP Session

[08:30-08:45] Introductions and review of agenda for the day (*Raleigh Hood and Weidong Yu*)

[08:45-09:00] SIBER UPDATE FOR THE IOP

- Progress and activities since SIBER-2 (*Raleigh Hood*)

[09:00-09:15] IOP UPDATE FOR SIBER

- Progress and activities since IOP-8 (*Weidong Yu and M. Ravichandran*)

[09:15-09:45] ASCLME UPDATE

- Enhancement of IndOOS/RAMA and introduction of a maturing capacity building theme and indicator monitoring theme focused on societal benefit and environmental management (*David Vousden*)

[09:45-10:00] PROGRAM OVERVIEW and DISCUSSION

- Current linkages between IOP, SIBER, ASCLME, BOBLME and IndOOS/RAMA and progress on deploying biogeochemical sensors and linkages to societal benefit and environmental management. Where do we go from here? (Leaders: *Raleigh Hood, Weidong Yu and David Vousden*)

[10:00-10:30] SCIENCE TALK AND NATIONAL PERSPECTIVE

- Development of a joint interdisciplinary research program between Thailand and China (*Somkiat Khokiattiwong*)

[10:30-10:45] MORNING TEA

[10:45-11:00] PLANNING FOR THE FUTURE

- Proposal for an international, interdisciplinary eastern equatorial upwelling research program (*Yukio Masumoto and Weidong Yu*)

[11:00-11:15] RECAP OF IIOE 50th ANNIVERSARY PLANNING

- Plans and progress toward re-occupying IIOE lines in the Indian Ocean as part of our 50th Anniversary IIOE Celebration and how this might relate to this proposed eastern equatorial upwelling research initiative (*Raleigh Hood and Weidong Yu*)

[11:45-12:00] PROGRAM OVERVIEW, DISCUSSION and PLANNING

- Action items, workshop planning and strategies for motivating international participation in this proposed eastern equatorial upwelling research initiative and the 50th Anniversary IIOE Celebration. (Leaders: *Weidong Yu, Yukio Masumoto and Raleigh Hood*)

(Close Joint SIBER/IOP Session)

[12:00-13:30] LUNCH