



2nd International
Indian Ocean
Expedition
2015-2020

Newsletter

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(A basin-wide research program co-sponsored by IOC-UNESCO, SCOR and IOGOOS)

To advance our understanding of interactions between geologic, oceanic and atmospheric processes that give rise to the complex physical dynamics of the Indian Ocean region, and to determine how those dynamics affect climate, extreme events, marine biogeochemical cycles, ecosystems and human populations.

Building capacity for plankton identification in the Western Indian Ocean

A number of scientific cruises are being conducted in territorial waters of the western Indian Ocean (WIO) and samples are being collected to understand the zooplankton and ichthyoplankton abundances and distribution. Although the opportunity to sample and participate in such cruises has increased, trained personnel to analyse the samples is still a challenging issue. Many of the marine and/or fisheries institutions in the WIO countries lack the expertise (and sometimes the appropriate equipment) to analyse these samples. To overcome this lacuna, a number of workshops and on-board trainings have been organized in the recent past to impart skills development to the next generation of marine scientists. IIOE-2 has been a key motivation in driving various research cruises and capacity building initiatives. In the upcoming issue of the Indian Ocean Bubble 2, Dr. Jenny Huggett reports on the Zanzibar Plankton Identification Workshop hosted by the Institute of Marine Sciences (IMS), University of Dar es Salaam, Tanzania during 24 February-2 March 2019.

This week-long workshop focused on identification of zooplankton and ichthyoplankton, with both theoretical and practical training. Plans are underway for the production of additional resources viz identification guides. The legacy of such a training program, apart from trained personnel, is the development of infrastructure such as new high resolution stereomicroscopes suitable for zooplankton and ichthyoplankton analysis that will help sustained observations in the future.



Workshop participants and trainers at the IMS Buyu Campus, Zanzibar

[Report Courtesy: Dr. Jenny Huggett, Department of Environmental Affairs: Oceans and Coastal Research, Cape Town South Africa, E-mail: jenny.huggett@gmail.com & jhuggett@environment.gov.za]

Call for papers - Special IIOE-2 Issue Volume 3 DEEP SEA RESEARCH- PART II

The first volume of DSR II special issue on IIOE2 is published in March 2019 and is available at <https://www.sciencedirect.com/journal/deep-sea-research-part-ii-topical-studies-in-oceanography/vol/161/suppl/C>

Congratulations to all the contributors

The 2nd issue is being finalised and will be available soon. Manuscripts are now being solicited for publication in the third volume of a DSR II Special Issue on IIOE-2, edited by Raleigh Hood, Jerry Wiggert, Lynnath Beckley, Jerome Vialard, Sunil Singh and Birgit Gaye.

If you are interested in submitting a manuscript or would like more information, please contact Raleigh Hood (rhoo@umces.edu).

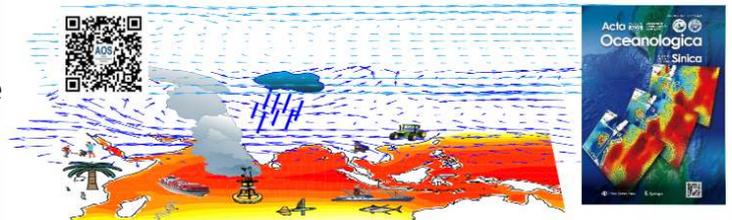


Call for papers - Special Issue in Acta Oceanologica Sinica on “Environment and Ocean-Atmosphere Interaction in the Indian Ocean”

Manuscripts are being invited for a special issue in Acta Oceanologica Sinica. All manuscripts about the ocean dynamics, environment, air-sea interactions over the Indian Ocean (including the Maritime Continent and the Southern Ocean connected to the Indian Ocean) are welcome. Manuscripts on interdisciplinary studies related to physics or dynamics, interactions between ocean basins, and ocean-land interactions related to the Indian Ocean are also welcome.

The target date for submission is **December 31, 2019**

If you are interested in submitting a manuscript or would like more information, please contact Lei Zhou (zhoulei1588@sjtu.edu.cn).



First announcement: International Indian Ocean Science Conference-2020 (IIOESC-2020)

The "International Indian Ocean Science Conference 2020 (IIOESC-2020)" sponsored by Ministry of Earth Sciences (MoES), Govt. of India, will be held during 16-20 March 2020 at Goa India co-hosted by National Institute of Oceanography (NIO) Goa, National Centre for Polar Ocean Research (NCPOR) Goa, Goa University and Indian National Centre for Ocean Information Services (INCOIS) Hyderabad, India. The conference aims at assessing the progress and scientific knowledge gained during the last 4 years of IIOE-2 (during 2016-2020). It is also an opportunity for scientists working on different facets of the Indian Ocean to present their ideas and discuss the outstanding issues, identify the knowledge gaps and plan a way forward to address such issues.

Scientists and colleagues who are interested in the Indian Ocean may kindly take note of this and freeze their dates for the conference. A detailed first announcement is made available at the below web link:

<https://iioe-2.incois.gov.in/documents/IIOE-2/IIOESC2020/FirstAnnouncement-IIOESC2020.pdf>

Endorse your projects in IIOE-2

Don't miss the opportunity to network, collaborate, flesh out your research project and participate in IIOE-2 cruises!!

The endorsement of your scientific proposal or a scientific activity focusing on the Indian Ocean region is a recognition of the proposal's or activity's alignment with the mission and objectives of IIOE-2, of its potential for contributing to an increased multi-disciplinary understanding of the dynamics of the Indian Ocean, and of its contribution to the achievement of societal objectives within the Indian Ocean region. Over 35 international, multi-disciplinary scientific projects have already been endorsed to date by the IIOE-2. Yours could be the next one!

Visit <http://www.iioe-2.incois.gov.in/IIOE-2/EndorsementForm.jsp> for further details and for projects already endorsed by IIOE-2.

Some Upcoming Events

- ☞ OceanObs'19 — Connecting Science and Society during 16 -20 September, 2019 at Honolulu, Hawaii, United States.
<http://www.oceanobs19.net/>
- ☞ 36th International Geological Congress during 2-8 March, 2020, India EXPO Centre, Delhi, India. The call for Abstracts and Registration is now open and the deadline for online submission of the Abstracts is 15th October, 2019. There is no Abstract Submission fee till 15th September, 2019. <https://www.36igc.org>
- ☞ 14th International Conference on Copepoda (ICOC) during 14-19 June, 2020 at Kruger Park, South Africa.
http://abevents.co.za/WEB_ICOC2020/index.php

CLIVAR July 2019 Bulletin is available online



The International CLIVAR Project Office distributes a monthly bulletin with announcements, funding opportunities, meeting notifications relevant to the ocean/climate science community.

The latest CLIVAR Bulletin July, 2019 is available at:
<https://mailchi.mp/clivar.org/clivar-july-2019-bulletin?e=0e7979fd09>

Call for Contributions

Informal articles/short notes of general interest to the IIOE-2 community are invited for the next (August-end) issue of the IIOE-2 Newsletter. Contributions referring IIOE-2 endorsed projects, cruises, conferences, workshops, "plain language summary" of published papers focused on the Indian Ocean etc. are welcome. Articles may be up to 500 words in length (Word files) accompanied by suitable figures, photos.(separate.jpg files).

Deadline: **25 August, 2019**



Access the latest issue of Indian Ocean Bubble-2
<https://www.iioe-2.incois.gov.in/IIOE-2/Bubble.jsp>



Enroll yourself with IIOE-2 Community
<https://www.iioe-2.incois.gov.in/IIOE-2/Signup.jsp>

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