



2nd International  
Indian Ocean  
Expedition  
2015-2020

# Newsletter

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

Volume-4, Issue-3  
March, 2020

*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.*

## Postponement of IOGOOS integrated meetings due to COVID-19

Indian Ocean Global Ocean Observing System (IOGOOS) is a GOOS Regional Alliance for Indian Ocean, formed to tackle the common issues in the region and to address the limitations of individual member institutes in a collaborative manner and through sustained observations and collaborative research. All 28 Marine Institutions from 17 Indian Ocean rim-countries viz. Australia, Bangladesh, France, India, Indonesia, Iran, Kenya, Kuwait, Reunion, Madagascar, Maldives, Mauritius, Mozambique, South Africa, Sri Lanka and Tanzania as well as the NOAA Office of Global Programmes and IOC's Perth Regional Programme Office, who are members of the IOGOOS meet annually for developing programmes for the implementation of GOOS and for promoting activities of common interest for the development of operational oceanography in the Indian Ocean region.

This year, the meeting of IOGOOS was scheduled to be held together with the meetings of the Indian Ocean Regional Panel (IORP), Sustained Indian Ocean Biogeochemistry and Ecosystem Research (SIBER), Indian Ocean Observing System (IndOOS) Resource Forum (IRF) and the Steering Committee of the International Indian Ocean Expedition (IIOE)-2 in Goa, India during March 22 – 26, 2020. These integrated meetings were planned to be held immediately after the International Indian Ocean Science Conference 2020 (IIOSC 2020) during March 16-20, 2020.

Unfortunately however, outbreak of the infectious disease COVID-19 caused by a newly discovered Corona virus, and its spread across several countries caused major distress among several national and international registered participants of the IIOSC-2020 as well as the integrated meetings of IOGOOS. Keeping in view the safety and health concerns of the delegates and the health advisories issued by several countries, the International Indian Ocean Science Conference 2020 and the integrated meetings of IOGOOS and its allied projects postponed till further notice. After revisiting the situation on COVID -19 and after due consultation with all concerned leaders of these groups, new dates, later in 2020, will be announced.

To keep the spirit of interest of these experts working in the Indian Ocean, it has been proposed that individual groups may schedule interim meetings through internet based electronic conference /other media facilities. IOGOOS requests all the readers to stay safe and healthy.

[Report Courtesy: M. Nagaraja Kumar, INCOIS, Hyderabad, India, E-mail: [raja@incois.gov.in](mailto:raja@incois.gov.in)]



## Call for Papers: IIOE-2 Special Issue in Deep Sea Research II Volume 4

The first two volumes of our DSR-II Special Issue series on IIOE-2 are published and available at:

Vol-1: <https://www.sciencedirect.com/journal/deep-sea-research-part-ii-topical-studies-in-oceanography/vol/161/suppl/C>

Vol-2: <https://www.sciencedirect.com/journal/deep-sea-research-part-ii-topical-studies-in-oceanography/vol/166/suppl/C>

Congratulations to all the contributors. The 3<sup>rd</sup> volume is being finalized; the last date of submission for this volume has been extended to **18 April, 2020**.

Manuscripts are now being solicited for publication in the 4<sup>th</sup> volume of our DSR-II Special Issue series on IIOE-2.

If you are interested in submitting a manuscript for Volume 3 or 4, or would like to have more information, please contact Raleigh Hood (rhood@umces.edu).

## The Indian Ocean Bubble, Issue No.12 is now available online



Web Link: [https://iioe-2.incois.gov.in/IIOE-2/pdfviewer\\_pub.jsp?docname=IIOE-2-DOC\\_OM\\_172.pdf](https://iioe-2.incois.gov.in/IIOE-2/pdfviewer_pub.jsp?docname=IIOE-2-DOC_OM_172.pdf)

### Call for Contributions

Informal articles are invited for the next issue. Contributions referring Indian Ocean studies, cruises, conferences, workshops, tributes to other oceanographers etc. are welcome.

Articles may be up to 1500 words in length (Word files) accompanied by suitable figures, photos (separate .jpg files)

Deadline: **30<sup>th</sup> June, 2020**

Send your contributions as usual to [iioe@incois.gov.in](mailto:iioe@incois.gov.in)

## Tutorial Capacity Building in the 15<sup>th</sup> Pan Ocean Remote Sensing Conference(PORSEC) 15-19 September, 2020

The PORSEC Association would like to invite you to participate in the upcoming Tutorial Capacity Building in conjunction with the PORSEC 2020 conference from 15<sup>th</sup> to 19<sup>th</sup> September, 2020 which will be held at Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia, Johor Bahru, Malaysia. The five-day tutorial offers expert training for students and young scientists. The tutorial would focus on existing instruments in space and on methods of analysis and visualization. One of the unique aspects of the PORSEC tutorial is that most of the instructors are current or past PORSEC officers, who are experienced remote sensing scientists, which would give the participants a valuable networking experience, in addition to the knowledge and skills taught during the tutorial. Participants will be given exposure in the following areas.

- ☞ Theoretical information as well as practical exercises along with a variety of data and software.
- ☞ Fundamentals of visible, thermal and microwave remote sensing, satellite wind and wave data, satellite altimetry, ocean color data, fisheries applications, and data assimilation.
- ☞ Demonstrations on how to access all of these datasets from a variety of different software.
- ☞ How to write scientific manuscript
- ☞ Giving a scientific presentation in English to an international audience.
- ☞ Experience live field data collection and sampling at the ocean facilitated by the experienced local facilitators.
- ☞ Related instruments used for ocean water sampling would be demonstrated and students will get opportunities to operate them.



## Trainers:

- Gad Levy (NWRA, USA)
- Cara Wilson (NOAA, USA)
- MingAn Lee (NTOU, Taiwan)
- Stefano Vignudelli (CNR, Italy)
- Abderrahim Bentamy (Ifremer, France)
- Jim Gower (IOS, Canada)
- Nurul Hazrina Idris (UTM, Malaysia)
- Mazlan Hashim (UTM, Malaysia)
- Aidy Dr. Aidy @ Mohamed Shawal M. Muslim (INOS UMT, Malaysia)
- Mohd Nadzri Md Reba (UTM, Malaysia)

Following are some important dates for the tutorial:

- ☞ 1<sup>st</sup> September 2019 – 31 January 2020 - Capacity building student tutorial application.
- ☞ Mid February 2020 – Result of the selection process for the capacity building student tutorial.

Further details regarding the tutorial, registration process, availability of scholarship, accommodation etc. are available at the PORSEC website. (<https://www.geoinfo.utm.my/porsec/>).

## Sponsors:

PORSEC Association, UTM, UMT, IGRSM and Malaysia Space Agency

Looking forward to see you in Johor Bahru!

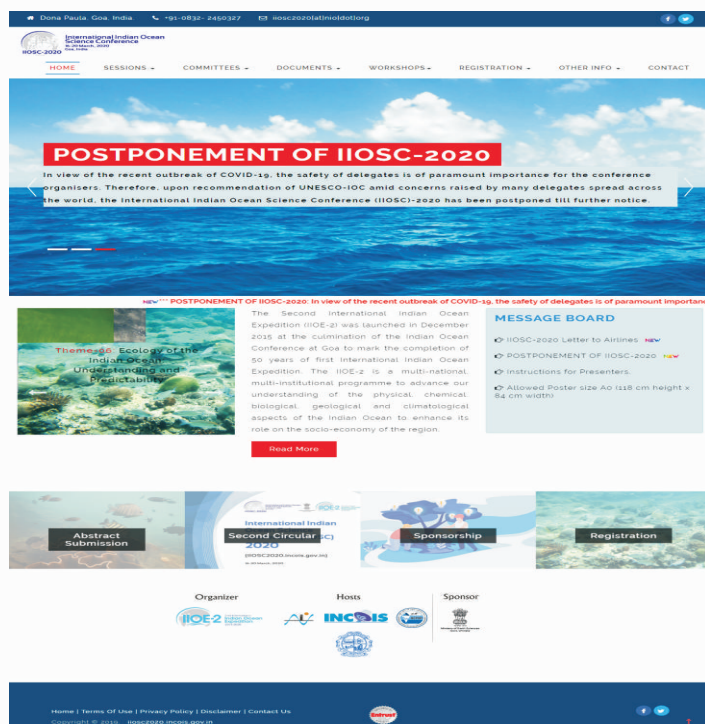
## POSTPONEMENT of International Indian Ocean Science Conference-2020

In view of the recent outbreak of COVID-19, the safety of delegates is of paramount importance for the conference organisers. Therefore, upon recommendation of UNESCO-IOC amid concerns raised by many delegates spread across the world, the International Indian Ocean Science Conference (IIOSC)-2020 has been postponed till further notice.

More details on the Conference are available at the website <https://iiosc2020.incois.gov.in/>

## MESSAGE BOARD

- ☞ IIOSC-2020 Letter to Airlines
- ☞ Instructions for Presenters
- ☞ Allowed Poster size A0 (118 cm height x 84 cm width)



## 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 39 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

- 14<sup>th</sup> International Conference on Copepoda (ICOC) during 14-19 June, 2020 at Kruger Park, South Africa.  
[http://abevents.co.za/WEB\\_ICOC2020/index.php](http://abevents.co.za/WEB_ICOC2020/index.php)

## CLIVAR March 2020 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 March, 2020 is available at:

<https://mailchi.mp/clivar.org/clivar-march-2020-bulletin>

## Call for Contributions

Informal articles/short notes of general interest to the IIOE-2 community are invited for the next (April-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 April, 2020**



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>

Follow us:



[www.iioe-2.incois.gov.in](http://www.iioe-2.incois.gov.in)

The IIOE-2 Newsletter is published online by:



@IIOE2

Feedback? [iioe-2@incois.gov.in](mailto:iioe-2@incois.gov.in)



@iioe\_2

