



2nd International
Indian Ocean
Expedition
2015-2020

Newsletter

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

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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.

OBSERVATION OF FLUXES OF HEAT, MOISTURE AND MOMENTUM OVER THE OPEN OCEAN

The Goa (India)-based CSIR-National Institute of Oceanography (NIO), Goa has developed a ship-borne eddy covariance flux measuring system, reports NIO scientist Vijay Kumar. The System was successfully tested on board the Indian Research Vessels ORV Sagar Kanya and RV Sindhu Sadhana. It includes instruments for measuring wind velocity, wind speed and direction, air and water temperature, humidity, pressure, all components of radiation and rainfall. In addition, the ship motion can also be recorded at required sampling rate to correct for wind velocity. The instrumentation module facilitates the direct computation of sensible and latent heat fluxes using the eddy covariance method.



Flux Tower (circled) on CSIR-NIO vessel Sindhu Sadhana

MEMBERSHIP OF THE IIOE-2 SCIENCE THEMES AND WORKING GROUPS

The composition of the membership to the six Science Themes and seven Working Groups was ratified at a meeting of the IIOE-2 Executive Core Group held through web hook-up on the 25 April, 2017. Details of the memberships are available at <http://www.iioe-2.incois.gov.in/IIOE-2/Governance.jsp>

IIOE-2 extends a warm welcome to all the new members!

FIRST MEETING OF THE STEERING COMMITTEE OF IIOE-2 AT PERTH

The minutes of the first meeting of the Steering Committee of IIOE-2 held at Perth on the 2-4 February 2017 are now available at http://www.iioe-2.incois.gov.in/IIOE-2/pdfviewer.jsp?docname=SC_Meeting_1_Minutes.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 18 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

- ☞ *The first GEOTRACES Summer School will be held in Brest, France, between 20 and 26 August 2017. The School aims to teach the skills and knowledge necessary for a good understanding of the biogeochemical cycles of trace metals in the ocean. It will allow Ph.D students and early-career researchers to learn how their work fits within the international community of GEOTRACES.*
For details visit <https://geotraceschool.sciencesconf.org/>
- ☞ *The Second International Indian Ocean Expedition (IIOE-2) and related Oceanic and Coupled Atmospheric Research in the Indian Ocean (IAPSO, IAMAS): International Symposium, 27 August to 1 September 2017 in Cape Town, South Africa.*
Please visit <http://www.iapso-iamas-iaga2017.com/index.php> for details.
- ☞ *The 2017 SCOR Annual Meeting will take place in Cape Town, South Africa from Monday, 4 September through Wednesday, 6 September 2017. The SCOR Secretariat will accept proposals for new working groups from now until 15 April 2017. Registration deadline: 1 July, 2017.*
Visit <http://scor-int.org> for details.

CALL FOR PAPERS- SPECIAL IIOE-2 ISSUE DEEP SEA RESEARCH- PART II

Do you have a manuscript you are working on, or planning, that you would consider submitting for publication in this Special issue?

Topics: Interdisciplinary- Physical, Chemical, Biological and paleo-oceanography, Marine Geology & Geophysics.

Tentative Deadline November 01, 2017

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