2nd International Indian Ocean Expedition
IIOE-2
2015-2020

Newsletter

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

Volume-3, Issue-2
February, 2019

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.

Proposed new structure for delivering IIOE-2

At the 2018 Steering Committee (SC) meeting in Jakarta, we discussed the IIOE-2's governance structure. Our main conclusion was that it was too complex, requiring too much of people's time. It was also too costly to run because sponsors were paying for a large number of participants to attend the meetings.Hence, there was a suggestion to develop a more cost-effective governance structure for IIOE-2, to enable the Core Group to best facilitate high level issues in support of the Steering Committee as a whole. We outline here a slimmed down governance structure to be discussed further at the next SC in March 2019. We present this to allow you to consider it in advance of the meeting.

What are the three sponsor's positions? SCOR is the sponsor that provides the most direct support to get people to meetings. While there is a general agreement that SCOR will pay $25k each year to facilitate IIOE-2 until 2020, we need to be mindful of SCOR's return on this investment. SCOR's main strength is funding SCOR Working Groups and it funds two new ones each year costing $30k each per year. The WGs are the heart of SCOR and they have been hugely successful at opening up new research topics through publishing findings in peer-reviewed papers. SCOR also oversees large-scale programmes, but the funding of these is generally pass-through funds from NSF, while SCOR's international programme offices are normally funded by host nations. For SCOR, IIOE-2 is unusual in being a large-scale programme that requires funds derived from SCOR dues, competing with funding for SCOR working groups. What will happen after 2020? That will be for the SCOR Executive Committee to decide, but there has already been discussions leading to the feeling that if IIOE-2 is continued to be supported, it has to deliver more scientific output for SCOR's investment. Although this will be challenging, it is a major motivator for reducing the complexity of our governance structure.

IOGOOS is an association of marine science institutes in the Indian Ocean region and aims at promoting, planning and executing collaborative projects in the region. Through the sponsorship of IIOE-2, IOGOOS is looking at the scientific outcomes of the project as well as the benefits to its members. IOGOOS has committed to support IIOE-2 to an extent of $10k each year utilising the budgetary support that it receives from IOC for functions in the Indian Ocean region. That funding is mainly used for the travel of its members to attend the meetings of IIOE-2 Steering Committee, IIOE-2 WGs and the annual meeting of IOGOOS.

Through the sponsorship of IIOE-2, the Intergovernmental Oceanographic Commission of UNESCO, or IOC, is looking at creating new knowledge that would be highly relevant for sustainable development of Indian Ocean riparian states. One pillar of this work is capacity development in marine research. IOC also would like to enhance communication between researchers and managers to enable informed policy decisions by member states as well as international bodies for effective ocean management and preservation. The cash contribution of IOC for SC member travel to meetings is currently limited, but it provides the much-needed platform for IIOE-2 functioning including the Joint Project Office (JPO) node in Perth, Australia, which works in concert with the other JPO node in Hyderabad, India, supported by the Indian Government.

As an outline for the new Core Group, we propose to simplify the current structure for the delivery of IIOE-2 as follows:

IOGOOS GLOBAL OCEAN OBSERVING SYSTEM FOR INDIAN OCEAN
UNESCO United Nations Educational, Scientific and Cultural Organization
Intergovernmental Oceanographic Commission
International Council for Science SCOR Scientific Committee on Oceanic Research
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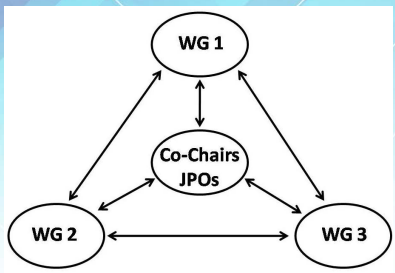
The Core Group will comprise:

- IIOE-2 Co-Chairs (nominated by the three main sponsors)
- WG-1 Chair(s): Science & Research (nominated by the Co-Chairs)
- WG-2 Chair(s): Data & Information Management (nominated by the Co-Chairs)
- WG-3 Chair(s): Operational Co-ordination (nominated by the Co-Chairs)
- Heads of the IIOE-2 JPOs in Hyderabad, India, and Perth, Australia



The SCOR office in Delaware, USA (not shown above), will administer SCOR funds it contributes to IIOE-2.

The Core Group will continue to meet by teleconference approximately every 6 weeks and will continue to deal with high level strategic issues.

Within WG-1, the formal Science Theme Committee structure (currently comprising six Science Theme (ST) teams) is consolidated into one, reducing expenses and streamlining the overall functioning. This flattens the structure with the research into a single entity, while noting that the Chair(s) of WG-1will need to decide how they will interact with the former chairs of ST 1-6.

WG-2 Data & Information Management will continue its work without change.

WG-3 would consolidate into one that would include former specific WG functions of Outreach & Communication, Sponsorship & Resources, Capacity Development and Translating Science for Society, respectively. A new sub-group will be tasked with Ocean Remote Sensing within WG-3, perhaps as a 'task team' within WG-3.

It will be for each of the chairs of WG-1, 2 and 3 to decide how they can best deliver their responsibilities. The next step will be to spell out the Terms of Reference for each component of the Core Group and that will be discussed and finalised at the March meeting in Port Elizabeth.

If you have any comments, please get in touch with one of the Co-Chairs (peter.burkill@plymouth.ac.uk; shenoi@incois.gov.in; v.ryabinin@unesco.org) and note that we aim to finalise the new Structure at the Port Elizabeth meeting in March 2019.

[Report Courtesy: P Burkill, S Shenoi, V Ryabinin, H W Bange, R Hood, S Nayak, N D'Adamo, S Prakash and E Urban]

Annual Meetings of the IIOE-2 Steering Committee, IOGOOS, IORP, SIBER, IRF & IOCINDIO 11-15 March 2019, South Africa

The IIOE-2 Joint Project office is pleased to report that through the agency of Prof Mike Roberts and associated colleagues of the West Indian Ocean SOLSTICE project (http://www.solstice-wio.org/) the Nelson Mandela University has offered to co-host, in conjunction with the UNESCO IOC Perth Programme Office, the 3rd IIOE-2 Steering Committee meeting within the week of 11-15 March 2019, Port Elizabeth, South Africa. As in the past, this IIOE-2 meeting will be held under the banner of the (3rd) International Indian Ocean Science Conference (IIOSC3), and incorporated collegially within an integrated week's schedule with IOGOOS-15, IORP-15, SIBER-9, IRF-9, IOCINDIO-7 and the Second major workshop of the IndOOS Review. Furthermore, there will special West Indian Ocean / South African marine scientific presentations, workshops and demonstrations.

Further details are available in the IIOSC 2019 Information Booklet at the below web link:
http://www.iioe-2.incois.gov.in/documents/IIOE-2/IIOSC2019/InformationBooklet.pdf

The integrated set of meetings comprise:

- 3rd meeting of the Second International Indian Ocean Expedition (IIOE-2) Steering Committee
- 15th annual meeting of the Indian Ocean Global Ocean Observing System Regional Alliance (IOGOOS)
- 15th annual meeting of the CLIVAR/IOC-GOOS Indian Ocean Region Panel (IORP)
- 9th annual meeting of Sustained Indian Ocean Biogeochemistry and Ecosystem Research (SIBER) of IMBER/IOGOOS
- 9th annual meeting of the Indian Ocean Observing System (IndOOS) Resource Forum (IRF) of IOGOOS
- IndOOS Review Workshop
- Workshop of the IOC Regional Committee for the Central Indian Ocean (IOCINDIO)
- West Indian Ocean / South African marine scientific presentations
- West Indian Ocean marine ocean observing / robotics workshops and demonstrations (various; SOLSTICE led)

Registrations are now open via the link International Indian Ocean Science Conference 2019

Watch out for further details on the IIOE-2 website: www.iioe-2.incois.gov.in

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Join the MArine Research Information NEtwork on Biodiversity (MARINE-B)

The International Association for Biological Oceanography (IABO) would like to invite the Indian Ocean marine science community to subscribe to the MArine Research Information NEtwork on Biodiversity (MARINE-B) email list. MARINE-B is a community of practice of more than 1000 subscribers around the world to share information on career opportunities (studies, scholarships, jobs, internships, etc.) related to marine biology and biological oceanography.

The goal of IABO is to promote the advancement of knowledge of life in the ocean and facilitating interdisciplinary scientific research. More specifically, the main objectives of IABO are to:

- Promote the study of marine biology, biological oceanography and other related sciences
- Promote interdisciplinary communication between marine biologists and other ocean stakeholders by organizing and supporting international forums
- Encourage international networking and collaboration between organizations and individuals with similar aims and interests
- Recognize and award outstanding accomplishments in marine biodiversity science

IABO was founded in 1964 and is one of the scientific members of the International Union of Biological Sciences (IUBS: http://iubs.org/) under the umbrella of the International Science Council (ISC: https://council.science/). IABO also works with the Scientific Committee for Oceanic Research (SCOR: http://www.scor-int.org).

To join send message "SUBSCRIBE MARINE-B firstname surname" to listserv@listserv.heanet.ie (to leave say UNSUBSCRIBE). Omit your signature and anything else you may normally add. You will get an automated response. Attachments are not allowed to prevent virus transmission.

For any questions, please email IABO President, Patricia Miloslavich (pmilos@usb.ve).

IABO also looks at coastal biological processes. Here, scientists are measuring the temperature of a rocky intertidal shore using biomimicking ("Robo-limpet") temperature loggers (EnvLogger System). Data is captured with an app and can be shared immediately through your mobile phone.

[Report Courtesy: Patricia Miloslavich, SCOR representative – University of Tasmania (Australia) and Universidad Simón Bolívar (Venezuela)]

The Indian Ocean Bubble, Issue No.10 is now available online

Web Link: https://iioe-2.incois.gov.in/IIOE-2/pdfviewer_pub.jsp?docname=IIOE-2-DOC_OM_114.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: **30th June, 2019**

Send your contributions as usual to **iioe@incois.gov.in**

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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 31 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

- SOLAS Open Science Conference during 21-25 April 2019, at Hokkaido University Conference Hall, Sapporo, Japan.
  https://www.confmanager.com/main.cfm?cid=2778

- "Ocean sustainability for the benefit of society: Understanding, challenges, and solutions", 17-21 June 2019, Brest, France. Call for Sessions and Workshops at the Second Open Science Conference of the Integrated Marine Biosphere Research (IMBeR) Project.
  http://www.imber.info/en/events/osc--imber-open-science-conference/osc-2019/2019-imber-open-science-conference

- 14th International Conference on Copepoda (ICOC) during 14-19 June 2020, at Kruger Park, South Africa.
  http://abevents.co.za/WEB_ICOC2020/index.html

CLIVAR February 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 February, 2019 is available at:
https://mailchi.mp/clivar.org/clivar-february-2019-bulletin?e=0e7979fd09

Call for Contributions

Informal articles/short notes of general interest to the IIOE-2 community are invited for the next (March-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 March, 2019**

The Indian Ocean Bubble-2

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

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