



Celebrating Newsletter #50!



Intertidal rocky shore at Blackmans Bay, Tasmania. Photo by Patricia Miloslavich

SCOR has arrived to its 50th Newsletter! The [first Newsletter](#) was issued in December 2004 following the XXVIth SCOR General Meeting held at the CNR–Istituto di Scienze Marine (ISMAR) in Venice, Italy, hosted by the Italian SCOR Committee.

Since its establishment more than 60 years ago, SCOR has shaped modern oceanography by planning and coordinating several large-scale ocean research projects, establishing more than 160 working groups, and developing capacity in ocean sciences.

SCOR has engaged and supported thousands of scientists from all continents, providing a platform of opportunities for ocean scientists across all disciplines.

Currently, 33 nations are members of SCOR and have [national SCOR committees](#).

News from the Secretariat

Call for new SCOR Working Groups 2023

The 2023 Call for SCOR Working Groups is open until the 12 May 2023. The selection of the new SCOR working groups will take place at the 2023 SCOR Annual Meeting scheduled to take place in Guayaquil, Ecuador, on 17-19 October 2023.

For more information, read the [full call](#).

SCOR Capacity Development activities

SCOR project's coming Summer Schools and training activities

- WG #161 Respiration in the Mesopelagic Ocean (ReMO) - International training course on Mesopelagic Respiration, 21-28 May 2023, Las Palmas de Gran Canaria, Spain. More info [here](#).
 - International Ocean Carbon Coordination Project (IOCCP) - Biogeochemical sensors training course, 5-18 June 2023, Kristineberg, Sweden. More info [here](#).
 - Integrated Marine Biosphere Research (IMBeR) - ClimEco8 Summer School, 19-23 June 2023, Koper, Slovenia. More info [here](#).
 - Global Harmful Algal Blooms (GlobalHAB) - 2nd qPCR workshop, 3-5 November 2023, Hiroshima, Japan.
-

SCOR Travel Grants

SCOR is providing travel support for early careers scientists from developing countries to attend several conferences in 2023. Please contact the conference organizers on how to apply for funding. Updates on the conferences for which SCOR support is provided can be found [here](#).

- International Indian Ocean Science Conference 2023, 6-9 February 2023, Perth, Australia
- Gordon Research Conference and Seminar on Polar Marine Science 2023 / GRC and GRS, 4-10 March 2023, Ventura, CA, USA
- Effects of Climate Change on the World's Ocean 5 / PICES, 17-21 April 2023, Bergen, Norway
- Planning Workshop for Global Library of Underwater Biological Sounds (GLUBS), 28-29 April 2023, Woods Hole, USA
- IMBeR ClimEco8 Summer School: Sustaining the Ocean We Need for the Future We Want, 19-23 June 2023, Koper, Slovenia
- Trevor Platt Science Foundation (TPSF) Symposium, 7-8 August 2023, Plymouth, UK
- SOOS Symposium 2023 "Southern Ocean in a Changing World", 14-18 August 2023, Hobart, Australia
- WCRP Open Science Conference 2023: Advancing Climate Science for a Sustainable Future, 23-27 October 2023, Kigali, Rwanda
- 20th International Conference on Harmful Algae (ICHA), 5-10 November 2023, Hiroshima, Japan

SCOR Visiting Scholars



Prof. Nubi Olobunmi, a 2022 SCOR Visiting Scholar from the Nigerian Institute for Oceanography and Marine Research with a group of students at Atlantic Technical University, São Vicente, Cape Verde. Prof. Olobunmi provided training in pollution and ecotoxicology as well as mentoring and technical assistance with scientific equipment.



Prof. Vyacheslav Lyubchich, a 2022 SCOR Visiting Scholar from the University of Maryland Center for Environmental Science (UMCES) provided training on popular methods of machine learning for ocean sciences and in the application of those methods to real data to students from the State University of Maringa and the Federal University of Parana, Brazil.

For 2023, five SCOR Visiting Scholars were approved to provide training in ocean science:



Kaylee Smit (South Africa to Seychelles)
Use of BRUVs (baited remote underwater stereo-video systems) to assess biodiversity



Maryam Ghaemi (Iran to China)
Carbonate chemistry in mangrove and seagrass ecosystems



Olusegun Dada (Nigeria to Cameroon)
Coastal Processes and Geomorphology, Marine Resources, and Integrated Coastal Zone Management



Wolfgang Schneider (Chile to Ecuador)
Atmospheric and oceanic general settings and ENSO dynamics and the impact of climatic modes



Ramaiah Nagappa (India to Bangladesh)
Atmospheric and oceanic general settings and ENSO dynamics and the impact of climatic modes

News from the projects

- The Global Harmful Algal Blooms (**GlobalHAB**) project is calling for nominations for members of their Scientific Steering Committee. Deadline for nominations is the 1st of March. More info [here](#).
- Dr. Lennart Bach (Australia), Dr. Joan Lloret (Spain), Dr. Andreas Raspotnik (Norway), Dr. Nadja Steiner (Canada), and Dr. Lisan Yu (USA) have been appointed members of the Surface Ocean Lower Atmosphere Studies (**SOLAS**) **Scientific Steering Committee** for a 3-year term. They are replacing Dr. Andrew Lenton (Australia), Jun Nishioka (Japan), Anna Rutgersson (Sweden), Erik Van Doorn (Germany), and Guiling Zhang (China). More info [here](#).
- Watch the latest [video from GEOTRACES](#) explaining what isotopes are and why they have revolutionized our knowledge and understanding of the oceans. See more educational video at the [GEOTRACES Education channel](#) in YouTube.
- The Surface Ocean Lower Atmosphere Studies (**SOLAS**) has established a **SOLAS Early Career Scientist (ECS) Committee** consisting of 16 distinguished early career researchers from 15 countries worldwide. The committee will act as a strategic and operational body to coordinate and champion early career activities within the framework of SOLAS science under the supervision of the SOLAS Scientific Steering Committee (SSC) and the International Project Office (IPO). More info [here](#).
- The 2nd International Indian Ocean Expedition (**IIOE-2**), has renovated the leadership of its **early career scientists network (ECSN)**. The new ECSN leadership is composed of 10 members led by Dr. Fehmi Dilmahamod as chair (Germany), Aditi Modi as secretary (India), and Mansi Gupta as joint secretary (India). More info [here](#).
- The **6th International Indian Ocean Science Conference (IIOOSC2023)** was recently held during the 6 - 10 February 2023 at the Indian Ocean Marine Research Centre (IOMRC), situated on the grounds of the University of Western Australia, Perth, Australia. IIOOSC 2023 brought together members and secretariats of **IIOE-2**, Indian Ocean Global Ocean Observing System (IOGOOS), the Indian Ocean Region Panel of CLIVAR/IOGOOS (IORP), the Indian Ocean Observing System Resources Forum of IOGOOS (IRF) and the Sustained Indian Ocean Biogeochemistry and Ecosystem Research of IMBeR and IOGOOS (SIBER). A KUDOS Workshop – for the ‘Korea-US inDian Ocean Scientific (KUDOS) Research Program on the Physical, Biogeochemical and Ecological Dynamics of the Seychelles-Chagos Thermocline Ridge’ was also convened by KIOST and NOAA. More info [here](#).
- The International Quiet Ocean Experiment (**IQOE**) has finalized the **Ocean Sound EOVI Implementation Plan**. The plan was available for community input until the 15th of

- February 2023. The revised plan will be available soon. More info [here](#).
- The applications for the **SOLAS MSc programme** on Ocean, Atmosphere and Climate – are open. More info [here](#).
- The Southern Ocean Observing System is organizing the **SOOS Symposium 2023** “Southern Ocean in a Changing World”, 14-18 August 2023, Hobart, Australia. More info [here](#).
- Check the [SCOR calendar](#) for project related events.

Latest news from the projects at:

SCOR Research projects:

- Marine biogeochemical cycles of trace elements and their isotopes ([GEOTRACES](#))
- Integrated Marine Biosphere Research ([IMBeR](#))
- Surface Ocean Lower Atmosphere Studies ([SOLAS](#))
- International Indian Ocean Expedition II ([IIOE-2](#))
- International Quiet Ocean Experiment ([IQOE](#))

SCOR Infrastructural projects:

- International Ocean Carbon Coordination Project ([IOCCP](#))
- Global Harmful Algal Blooms ([GlobalHAB](#))
- Southern Ocean Observing System ([SOOS](#))
- Changing Ocean Biological Systems ([COBS](#))
- Joint Committee on Seawater ([JCS](#))

Publications

Some of the most recent contributions from the SCOR community include:

Collins, S., Whittaker, H., and Thomas, M. K. (2022). The need for unrealistic experiments in global change biology. *Current Opinion in Microbiology* 68, 102151. doi: [10.1016/j.mib.2022.102151](https://doi.org/10.1016/j.mib.2022.102151).

Cronin, M. F., Swart, S., Marandino, C. A., Anderson, C., Browne, P., Chen, S., et al. (2022). Developing an Observing Air–Sea Interactions Strategy (OASIS) for the global ocean. *ICES Journal of Marine Science*, fsac149. doi: [10.1093/icesjms/fsac149](https://doi.org/10.1093/icesjms/fsac149).

Good, S., Mills, B., Boyer, T., Bringas, F., Castelão, G., Cowley, R., et al. (2023). Benchmarking of automatic quality control checks for ocean temperature profiles and recommendations for optimal sets. *Front. Mar. Sci.* 9, 1075510. doi: [10.3389/fmars.2022.1075510](https://doi.org/10.3389/fmars.2022.1075510).

Huang, Y., Tagliabue, A., and Cassar, N. (2022). Data-Driven Modeling of Dissolved Iron in the Global Ocean. *Front. Mar. Sci.* 9, 837183. doi: [10.3389/fmars.2022.837183](https://doi.org/10.3389/fmars.2022.837183).

Melbourne-Thomas, J., Tommasi, D., Gehlen, M., Murphy, E. J., Beckensteiner, J., Bravo, F., et al. (2023). Integrating human dimensions in decadal-scale prediction for marine social–ecological systems: lighting the grey zone. *ICES Journal of Marine Science* 80, 16–30. doi: [10.1093/icesjms/fsac228](https://doi.org/10.1093/icesjms/fsac228).

Miloslavich, P., Zitoun, R., Urban, E. R., Muller-Karger, F., Bax, N. J., Arbic, B. K., et al. (2022). “Developing Capacity for Ocean Science and Technology,” in *Blue Economy*, eds. E. R. Urban and V. Ittekkot (Singapore: Springer Nature Singapore), 467–504. doi: [10.1007/978-981-19-5065-0_15](https://doi.org/10.1007/978-981-19-5065-0_15).

Urban, E. R., and Ittekkot, V. eds. (2022). *Blue economy: an ocean science perspective*. Singapore: Springer, 536 p. ISBN 978-981-19506-5-0

Urban, E. R., and Ittekkot, V. (2022). “Summary Reflections on Advancing Ocean Science for Blue Economy,” in *Blue Economy*, eds. E. R. Urban and V. Ittekkot (Singapore: Springer Nature Singapore), 505–524. doi: [10.1007/978-981-19-5065-0_16](https://doi.org/10.1007/978-981-19-5065-0_16).

Obituaries

We are saddened to announce the passing of Dr. Patricio Bernal (Chile), Dr. Will de Ruijter (The Netherlands), and Dr. Mathieu Rouault (South Africa).

Patricio Bernal (Chile) was the Science Director for the CSIRO-Australia program on Coasts and Oceans, and a researcher at the Faculty of Biological Sciences of the Pontificia Universidad católica de Chile. He was a full member of SCOR WG #73 on Ecological Theory in Relation to Biological Oceanography, and he was the Executive Secretary for the IOC-UNESCO. At IOC, he pushed the

development of a global tsunami warning and mitigation system, and was instrumental in launching the Assessment of Assessments of the ocean, paving the way to the current series of the UN World Ocean Assessments. The obituary by the UNESCO-IOC can be read [here](#).

Dr. Will de Ruijter (The Netherlands) was a Professor in physical oceanography at the Institute for Marine and Atmospheric Research (IMAU) of Utrecht University, The Netherlands. He was a full member of SCOR WG #136 on Climatic Importance of the Greater Agulhas System. His colleague Thomas Röckmann, Director of IMAU, wrote: *"Over his long and eminent career, Will has made landmark contributions on a broad range of topics, including the dynamics of currents and fronts in the Dutch coastal zone and, in particular, the Agulhas System off South Africa. Will leaves a large legacy in the Physical Oceanography, Coastal Oceanography and Climate research fields through his scientific papers, through his students, and through his national and international leadership. Many were strongly influenced by his great physical intuition, broad vision and kind personality. He will be sorely missed."*

Mathieu Rouault (South Africa) was the director of the Nansen Tutu Center for Marine Environmental research and an associate professor in the Department of Oceanography, University of Cape Town. He was also the president of the South African Society for Atmospheric Science. In 2002, he was a POGO-SCOR fellow joining the PIRATA (Pilot Research Moored Array in the Tropical Atlantic) FR11 cruise, and receiving training in all aspects regarding deployment of the ATLAS system. His research was focused on ocean atmosphere interaction from numerical modelling to experimental work at sea, from meteorology and physical oceanography to climatology and the impact of climate change and variability on marine ecosystems and water resource. Just last year, at the SOLAS Open Science Conference held in Cape Town, Mathieu expressed his willingness to help strengthening collaboration between SCOR WG OASIS and the Global South. His colleague Juliet Hermes wrote: *"... his work on air-sea interaction over the Agulhas was seminal. The oceanographic community in South Africa are all shocked and saddened by his untimely passing."*



Patricio Bernal (Chile)
Image from UNESCO-IOC



Will de Ruijter (The Netherlands)
Image from Research Gate



Mathieu Rouault (South Africa)
Image from University of Cape Town

For updates on SCOR activities, see our [Latest News](#) section
Follow us on [Twitter](#)

Dr. Patricia Miloslavich
SCOR Executive Director