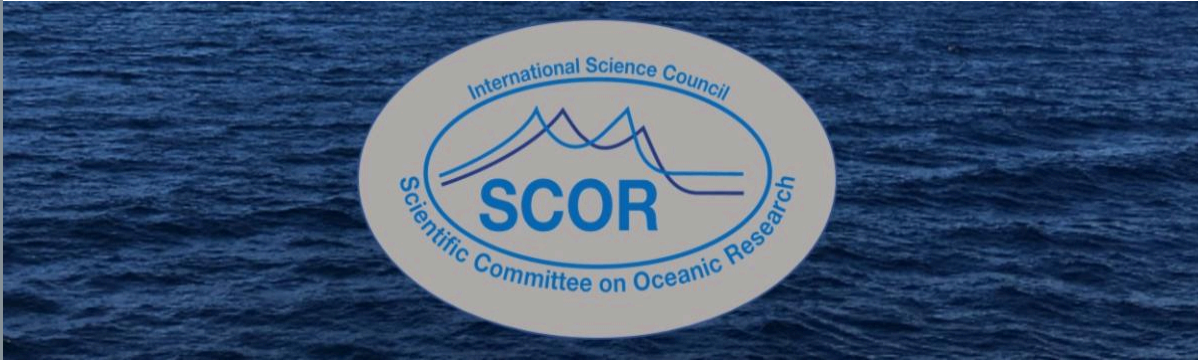


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July 2024 SCOR Newsletter # 54



SCOR News & Updates

I am pleased to open the current newsletter with a welcome to the new **Malaysian National Committee** to SCOR! The Committee is hosted by the Universiti Malaya and Wee Cheah (Universiti Malaya), Mohd Fadzil Mohd Akhir (Universiti Malaysia Terengganu), and Hairul Masrini Muhamad (Universiti Malaysia Sabah) serve as the first nominated members. I look forward to the contributions from the Committee to SCOR's work! Read more about [SCOR's national committees here](#).

In case you missed it...

Call for review of 2024 working groups proposals

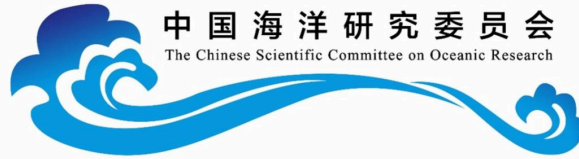
The SCOR Executive Committee will be very grateful for comments from SCOR National Committees, individuals, and interested organizations to assist in the review of the eight proposals submitted this year for consideration. Instructions and a template for the review can be found [here](#).

Registration now open for the 2024 SCOR Annual Meeting

The 2024 SCOR annual meeting is scheduled for 16-18 October in Qingdao, China. The [website for the meeting](#) contains a [link for registering](#) and [logistical information](#), and will continue to be updated with reports of activities from the SCOR Working Groups and Projects.

Invitation to the 2024 SCOR Annual Meeting Symposium -- 40 years of SCOR China-Beijing!

The Chinese Scientific Committee on Oceanic Research (SCOR-China) was established in 1984. Over the past 40 years, through extensive interaction with SCOR, significant scientific progress has been achieved in China's oceanic research. Notably, an increasing number of Chinese oceanographers have taken leading roles and/or actively participated in international ocean research programmes, projects, and especially SCOR working groups. To celebrate the 40th anniversary of China's membership in SCOR, a commemorative event will be jointly organized by SCOR-China and the international SCOR on the afternoon of **15 October 2024 in Qingdao, China**. The celebration will review main achievements and outline the future vision of SCOR-China. Prominent Chinese oceanographers will be in attendance, and all participants of the SCOR 2024 Annual Meeting are invited to join the celebration. Use the [meeting registration link to register](#).



SCOR's Capacity Development Activities

SCOR Visiting Scholars

The first of the 2024 Scholars have completed their trips! It is never too early to start planning your application, due annually in December for the following year's Scholars. [View more information here.](#)



Jessica Glass (University of Alaska Fairbanks, USA) conducted an introductory workshop on eDNA, hosted by the University of Seychelles Blue Economy Research Institute.



Isaure de Buron (College of Charleston, USA) provided assistance in field and laboratory work to study parasites affecting local fisheries, hosted by Université Mohammed V (Morocco).

Consider SCOR's other opportunities:

- **Travel Grants:** Provides grants to organizers of ocean science events (conferences, trainings, etc) to support the attendance of early-career, developing country scientists. **Applications reviewed quarterly.**
- **POGO-SCOR Fellowship Programme:** Offers the opportunity to visit other oceanographic centres for a short period (1 to 3 months) for training on any aspect of oceanographic observations, analyses, and interpretation. **Applications due annually in April/May.**

News and Opportunities from the Working Groups and Projects

Call for two new members of the International Ocean Carbon Coordination Project (IOCCP) Scientific Steering Group (SSG)

IOCCP is looking for two new members to join its SSG for terms beginning on 1 October 2024, to act as leaders responsible for maintaining and expanding IOCCP coordination activities around Nutrients and Nitrous Oxide EOVs. Nominations are due by 19 July. [Read more here.](#)

Call for Southern Ocean Observing System (SOOS) Scientific Steering Committee (SSC) nominations is OPEN

Nominations for the [SOOS SSC](#) for terms starting in September 2024 are welcome. We encourage qualified individuals passionate about Southern Ocean science and committed to

advancing SOOS objectives to apply. Deadline is the 15 July. For detailed information on the nomination process and requirements, [please refer to the full call here](#).

Call for ECR Representative - SOOS Censusing Animal Populations from Space (CAPS) working group

The Association of Polar Early Career Scientists (APECS) and SOOS are looking for an early career scientist to join the SOOS Censusing Animal Populations from Space (CAPS) Capability Working Group (CWG) as ECR representative. The successful applicant will have an interest in coordinating satellite remote sensing efforts for marine predators in the Southern Ocean. The early career representative will participate in telecons and meetings, help to take minutes and compile notes, serve as a liaison to APECS, help to prepare newsletter items, and contribute to other activities within the SOOS CAPS working group. Applications due 14 July. [More information here](#).

Surface Ocean-Lower Atmosphere Study (SOLAS) Open Science Conference (OSC) 2024 deadline

July 10 is the deadline for SOLAS OSC2024 [early bird registration](#) and [Early Career Scientist Day application](#).

SOOS SOFLUX Webinars

In July, SOOS will celebrate 3 years of SOFLUX webinars! The webinars contribute to our objectives to enhance community engagement around Southern Ocean air-sea fluxes and discuss observational requirements to improve our future understanding. We thank the community for their enthusiasm thus far and look forward to many more discussions! Please register for our July webinar "Spatial and Temporal Patterns of Southern Ocean Ventilation" by Dr Andrew Styles on 11 July, 15:00 UTC at bit.ly/SOFLUX_webinar_register.

SOCAT v2024 release

Surface Ocean CO₂ Atlas (SOCAT) version 2024 has been released with contributions by [IOCCP](#), [SOLAS](#), and [IMBeR](#). The update delivers 38.6 million, quality-controlled, in situ surface ocean fCO₂ (fugacity of CO₂) measurements collected between 1957 and 2023 with an estimated accuracy of < 5 µatm. [Read more here](#).

New GEOTRACES Early Career Scientist Committee

GEOTRACES announces the formation of the Early Career Scientist (ECS) committee. The committee will act as a strategic and operational body to promote and coordinate early career activities within the framework of GEOTRACES science. [Learn more here](#).

Second International Indian Ocean Expedition (IIOE-2) International Steering Committee Meeting Report

The 7th meeting of the IIOE-2 International Steering Committee (IIOE-2 SC7) was held at the Badan Riset dan Inovasi Nasional (BRIN), in Lombok, Indonesia from 4 to 6 March 2024. As customary since 2015, the IIOE-2 SSC meeting was held under the over-arching banner of the International Indian Ocean Science Conference (IIOSC 2024) as part of an integrated set of meetings including - Sustained Indian Ocean Biogeochemistry and Ecosystem Research of IMBeR and IOGOOS (SIBER), Indian Ocean Region Panel of CLIVAR/IOC-GOOS (IORP), Indian Ocean Observing System Resources Forum of IOGOOS (IRF) and Indian Ocean Global Ocean Observing System (IOGOOS) along with the Korea-US Indian Ocean Science (KUDOS) Workshop. Meeting documents can be [found here](#).

Latest news from the projects at:

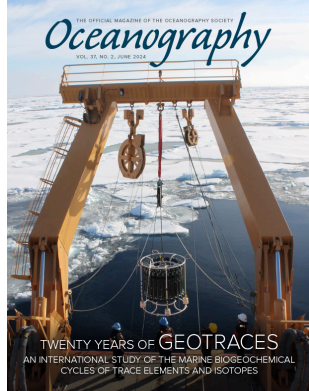
SCOR Research projects:

- 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](#))

Recent Publications



A special issue of *Oceanography* celebrates the 20 years of GEOTRACES!

The issue reviews the transformational findings of the international GEOTRACES Programme.

Read More

SOLAS: Bach, L. T., Vaughan, N. E., Law, C. S., & Williamson, P. (2024). Implementation of marine CO₂ removal for climate mitigation: The challenges of additionality, predictability, and governability. *Elementa: Science of the Anthropocene*, 12(1), 00034. <https://doi.org/10.1525/elementa.2023.00034>

SOOS: Henley, S. F., Cozzi, S., Fripiat, F., Lannuzel, D., Nomura, D., Thomas, D. N., Meiners, K. M., Vancoppenolle, M., Arrigo, K., Stefels, J., Leeuwe, M. van, Moreau, S., Jones, E. M., Fransson, A., Chierici, M., & Delille, B. (2023). Macronutrient biogeochemistry in Antarctic land-fast sea ice: Insights from a circumpolar data compilation. *Marine Chemistry*, 257, 104324. <https://doi.org/10.1016/j.marchem.2023.104324>

IMBeR: Hong, G., Zuo, F. and Qin, K., 2024. Changing marine biosphere in the West Pacific Ocean. *Deep Sea Research Part II: Topical Studies in Oceanography*, p.105357. <https://doi.org/10.1016/j.dsr2.2024.105357>

WG 169 GLUBS: Jarriel, S., Looby, A., Larsen, K., Munger, J., & Parsons, M. (2024). Compilation of existing underwater PAM repositories, libraries, and applications for sound processing [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.12096525>

IOCCP: Lange, N., Fiedler, B., Álvarez, M., Benoit-Cattin, A., Benway, H., Buttigieg, P. L., Coppola, L., Currie, K., Flecha, S., Gerlach, D. S., Honda, M., Huertas, I. E., Lauvset, S. K., Muller-Karger, F., Körtzinger, A., O'Brien, K. M., Ólafsdóttir, S. R., Pacheco, F. C., Rueda-Roa, D., ... Tanhua, T. (2024). Synthesis Product for Ocean Time Series (SPOTS) – a ship-based biogeochemical pilot. *Earth System Science Data*, 16(4), 1901–1931. <https://doi.org/10.5194/essd-16-1901-2024>

WG 162 OASIS: Riihimäki, L. D., Cronin, M. F., Acharya, R., Anderson, N., Augustine, J. A., Balmes, K. A., Berk, P., Bozzano, R., Bucholtz, A., Connell, K. J., Cox, C. J., di Sarra, A. G., Edson, J., Fairall, C. W., Farrar, J. T., Grissom, K., Guerra, M. T., Hormann, V., Joseph, K. J., ... Zhang, D. (2024). Ocean surface radiation measurement best practices. *Frontiers in Marine Science*, 11. <https://doi.org/10.3389/fmars.2024.1359149>

SOLAS: Lachkar, Z., Cornejo-D'Ottone, M., Singh, A., Aristegui, J., Dewitte, B., Fawcett, S., Garçon, V., Lovecchio, E., Molina, V., & Vinayachandran, P. N. M. (2024). Biogeochemistry of greenhouse gases in coastal upwelling systems: Processes and sensitivity to global change. *Elementa: Science of the Anthropocene*, 12(1), 00088. <https://doi.org/10.1525/elementa.2023.00088>

Emily Twigg
SCOR Executive Director

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