

March 2025 SCOR Newsletter #56

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SCOR News

Ocean Science for Sustainability

Alongside many in the scientific community, SCOR is preparing to provide the best available scientific advice to the 2025 UN Ocean Conference. A recent panel on [Ocean Science for Sustainability](#) at the Muscat Global Knowledge Dialogue held alongside the International Science Council's (ISC) general assembly focused on the ocean's role in advancing the sustainable development agenda. Marie-Alexandrine Sicre, recent SCOR Past President and ISC Fellow, highlighted the connection between SCOR's support for advancements in basic science to evidence-based decisionmaking. More recently, SCOR Executive Director Emily Twigg spoke at [a briefing to the UN Group of Friends on Science for Action](#) to provide key scientific insights to prepare UN Member States for their participation in the Conference.

Stay tuned for future announcements about SCOR representation at the One Ocean Science Congress and the UN Ocean Conference!



SCOR has recently joined efforts motivated to elevate science for the benefit of humanity:

- the [Earth-Humanity Coalition](#), a coalition of organizations prepared to implement and promote the goals of the International Decade of Sciences for Sustainable Development 2024-2033;
- the Planning Group for the [International Polar Year 2032-2033](#), which will address urgent global challenges by advancing polar research; and
- the [Standing Committee for Gender Equality in Science](#), a partnership of organizations sharing best practices to promote gender equality in science.

Now Open! Call for Working Group Proposals

The SCOR Secretariat invites proposals for new working groups to commence activities in late 2025. SCOR typically supports 1-3 new working groups annually, pending availability of funds and the outcome of the proposal review.

Deadline for submission: **16 May 2025**.

The proposal template and newly revised instructions and FAQs to help prepare the proposals can be found [here](#).

The selection of the new SCOR working groups will take place at the 2025 SCOR Annual Meeting scheduled to take place in Santa Marta, Colombia on **29-31 October 2025**.

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

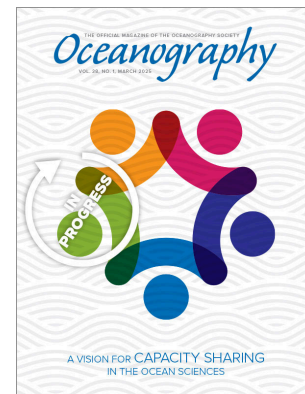
SCOR's Capacity Development Activities

Enhancing Global Ocean Science Networks: The Impact of SCOR's Travel Grant Initiative

Since 1999 (when digital records started), SCOR's travel grant program has supported over 1,300 early-career, developing-country scientists from 83 countries to attend 280 ocean science events in 45 countries!

The impact of this program has been described in [a new article](#) featured in the special issue of *Oceanography* on [A Vision for Capacity Sharing in the Ocean Sciences](#).

The issue also contains an article on [Developing Capacity for Transdisciplinary Studies of Changing Ocean Systems](#) based on insights from COBS and IMBeR. More articles highlighting work under SCOR are coming soon!



Congratulations 2025 Visiting Scholars!

Congratulations to the following scientists for their selection as 2025 SCOR Visiting Scholars:

- **Babette Tchonang**, NASA Jet Propulsion Lab, USA to visit the University of Dschang, Cameroon
- **Brit Finucci**, National Institute of Water and Atmospheric Research, New Zealand to visit Miyaru - Shark Programme, Maldives
- **Deepak Mishra**, University of Georgia, USA to visit Berhampur University, India
- **Marija Sciberras**, Heriot-Watt University, UK to visit Universidade Federal de São Paulo, Brazil
- **Yohan Louis**, University of Milan-Bicocca, Italy and the Marine Research and High Education Center, Maldives to visit Papua New Guinea University of Natural Resources and Environment

This will be the first year that SCOR has supported visits to Cameroon, the Maldives, and Papua New Guinea as well as the first time Scholars have been selected from Italy and New Zealand!

The SCOR Visiting Scholar program enlists the services of ocean scientists, from both developed countries and developing countries, to teach short courses and to provide more extended on-site education and mentorship at developing country institutions. [Learn more about the program here.](#)

News from the Working Groups and Projects



Call for Abstracts: **IMBeR Future Oceans 3 Conference**

The IMBeR Synthesis and Future Planning Conference (Future Oceans 3, FO3) will be held in a hybrid format from 13–16 May 2025 in Shanghai, China, and online. The call for abstracts is now open.

Submit your abstract by 20 March 2025 via the [FO3 website](#).

SPARSE International Workshop: Surface Plastic Remote Sensing - a way forward for the detection of marine litter and floating matter, 28-30 May 2025

This three-day interdisciplinary workshop hosted by [SOLAS](#) at the University of Siena, Italy, will advance the study of marine litter and floating matter using remote sensing and space-based approaches. It welcomes researchers and experts across communities to tackle knowledge gaps in plastic pollution monitoring from land-to-sea, identifying opportunities and intervention measures for early mitigation strategies. [Visit the website here.](#)

- Abstracts and registration deadline: 15th March 2025.
- Low student rate, full support available for low and low-middle-income countries.

GEOTRACES Student and Early Career Scientist Mailing List

The [GEOTRACES Early Career Scientist \(ECS\) Committee](#) wishes to create a mailing list of GEOTRACES students (Master and PhD) and Early Career Scientists (be no more than 10 years from PhD completion - not counting time for career interruptions), to foster collaborations and promote activities within the framework of GEOTRACES science. [Register here.](#)

Publication of the OAR Ocean Carbon Observing Science Plan

The recently released [NOAA Oceanic and Atmospheric Research Ocean Carbon Observing Science Plan FY25 to FY35](#), which outlines OAR's goals and priorities related to ocean carbon observing, received input from IOCCP in its development and refers to documents produced by [IOCCP](#) and [SOLAS/IMBER](#).

SOLAS Social Gathering during EGU25

SOLAS warmly invites you to join us in Vienna during the European Geosciences Union (EGU) General Assembly 2025 for a meet-up. The gathering will take place on Wednesday, **30 April 2025**, starting at 7:00 PM. Enjoy appetizers on us while reconnecting with old friends and making new ones. To register, please complete the [Google registration form](#) by 31 March 2025.

MEDDLE Resource Utilized at IAEA Ocean Acidification Training

The [MEDDLE simulator](#) was developed by [COBS](#) (previously WG 149); the project is now focused on training and promoting MEDDLE and other resources for assessing the effects of multiple environmental factors upon organisms. MEDDLE was recently included in the [second Winter School on Ocean Acidification and Multiple Stressors](#) held at the IAEA Marine Environment Laboratories in Monaco for early-career scientists.

Event Report: **IMBeR at XMAS 2025 in Xiamen**

IMBeR network members and the International Project Office (IPO) actively contributed to the 7th Xiamen Symposium on Marine Environmental Sciences (XMAS), engaging in discussions and sharing insights on ocean sustainability, capacity building, and interdisciplinary research. [More information can be found here.](#)

Event Report: Chemical, Biogeochemical, and Physical Drivers of the Coupled Polar Atmosphere and Climate: An International Polar Year 2032-33 Planning Workshop

SOLAS cosponsored a workshop co-organized by SOLAS-sponsored activities, CATCH and BEPSII (previously WG 140), among others. A total of 99 scientists and stakeholders (44 in person) from 21 countries came together to (i) present and discuss interdisciplinary 'big picture' science questions and challenges, and (ii) jointly identify research priorities and implementation pathways for research activities in field, laboratory and modelling leading up to and during the 5th International Polar Year (IPY) 2032-2033. [The full event report can be read 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](#))

Publication Highlights



Submissions Welcome to SOLAS Special Section: Greenhouse Gas Budgets Across the Land-Ocean Continuum

SOLAS is organising a special section in the journal [Ocean-Land-Atmosphere Research](#). This special section welcomes contributions addressing greenhouse gas cycling and emissions in coastal to offshore environments, spanning natural, climate change induced, and other anthropogenic sources/sinks (e.g. aquaculture, waste water plants, river discharge).

[Read the announcement here.](#)

IMBeR, SOOS: Constable, A. J., Melbourne-Thomas, J., Muelbert, M. M. C., & Hollowed, A. B. (2024). Editorial: Marine Ecosystem Assessment for the Southern Ocean: Meeting the challenge for conserving earth ecosystems in the long term. *Frontiers in Ecology and Evolution*, 12. <https://doi.org/10.3389/fevo.2024.1507045>

GEOTRACES: Bunnell, Z. B., Sieber, M., Hamilton, D. S., Marsay, C. M., Buck, C. S., Landing, W. M., John, S. G., & Conway, T. M. (2025). The Influence of Natural, Anthropogenic, and Wildfire Sources on Iron and Zinc Aerosols Delivered to the North Pacific Ocean. *Geophysical Research Letters*, 52(3), e2024GL113877. <https://doi.org/10.1029/2024GL113877>

COBS, IMBeR: Renaud, P. E., Belgrano, A., Dupont, S., Boyd, P. W., & Collins, S. (2024). Developing Capacity for Transdisciplinary Studies of Changing Ocean Systems. *Oceanography*, 28(1). <https://doi.org/10.5670/oceanog.2025.113>

GEOTRACES: Shelley, R. U., Baker, A. R., Thomas, M., & Murphy, S. (2025). Aerosol trace element solubility and deposition fluxes over the Mediterranean Sea and Black Sea basins. *Biogeosciences*,

22(2), 585–600. <https://doi.org/10.5194/bg-22-585-2025>

SCOR: Twigg, E., Miloslavich, P., Urban Jr, E. R., & Zitoun, R. (2024). Enhancing Global Ocean Science Networks: The Impact of SCOR's Travel Grant Initiative. *Oceanography*. 28(1). <https://doi.org/10.5670/oceanog.2025.106>

In Memoriam

Dr. Hind Al-Abadleh (Canada) was a professor of Department of Chemistry and Biochemistry at Laurier University and member of WG 167 RUSTED. As described by the memorial by Laurier University, she was a pioneering researcher in environmental science and also a dedicated mentor to young scientists. WG 167 co-chair Morgane Perron highlighted that "Her groundbreaking work on iron biogeochemistry has undoubtedly brought forward our field of science. Hind was also an inspirational figure for a number of women in STEM."



[Read the memorial from Laurier University here.](#)

Emily Twigg SCOR Executive Director

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