



## SCOR has a new Executive Director!



SCOR is delighted to announce that Emily Twigg has been appointed as the next SCOR Executive Director starting in June 2023. Emily replaces Patricia Miloslavich who will continue to serve SCOR until the end of June before starting her new position at the Australian Antarctic Division. Read more about Emily [HERE](#)

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### News from the Secretariat

#### Call for review of SCOR Working Groups 2023

Twelve working group proposals were submitted to the SCOR Secretariat for consideration at the 2023 SCOR Annual Meeting and are available on the SCOR [Website](#). The SCOR Executive Committee will be very grateful for comments from SCOR National Committees, individuals, and interested organizations to assist in the review of these proposals. More information about the proposals [HERE](#)

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#### Registration for the SCOR 2023 Annual Meeting is open

The 2023 SCOR Annual Meeting will take place 17-19 October 2023 at Guayaquil, Ecuador with option for virtual participation.

The [website for the meeting](#) contains a [link for registering](#), and will continue to be updated with information related to the event including reports of activities from the SCOR Working Groups and Projects as well as logistical information for those traveling to the meeting.

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## Awards

Marie Alexandrine Sicre, SCOR's Past President and member of the SCOR Executive Committee was appointed a 2022 Fellow of the International Science Council (ISC). The new ISC Fellows were selected for their outstanding contributions to promoting science as a global public good while considering diversity of scientific discipline, gender, geography and career stage. Marie Alexandrine Sicre's profile can be found [HERE](#) and the list of new Fellows is available [HERE](#).



Sicre attended the Mid-term Meeting of the International Science Council (ISC) Members: Capitalizing on Synergies in Science held in Paris 10-12 May 2023 (more about this meeting [here](#)). Sicre will also be participating at the Virtual meeting for ISC Members and ISC Affiliated Bodies with the ISC President, Peter Gluckman to be held 5-6 July 2023. Peter Gluckman will provide an overview of the discussions and decisions from the recent ISC Mid-term and Governing Board meetings.

More information about the Virtual meeting for ISC Members and ISC Affiliated Bodies [here](#)

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## SCOR Capacity Development activities

### Summer Schools and Training Activities by SCOR Projects and Working Groups

- Training material from the international training course on Mesopelagic Respiration organized by SCOR WG #161 Respiration in the Mesopelagic Ocean is available online. Recordings of the lectures and course material is open access and available [HERE](#).
  - Former SCOR WG #145 MARCHEMSPEC [Software Demonstration](#) - 15-16 June 2023 (will be recorded)
  - Global Harmful Algal Blooms (GlobalHAB) - 2nd qPCR workshop, 3-5 November 2023, Hiroshima, Japan.
  - Please check the recent videos from the GEOTRACES Educational channel [HERE](#)
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## 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 which SCOR supports can be found [here](#).

- [6th World Conference on Marine Biodiversity](#), 2-5 July 2023, Penang, Malaysia
- [Gordon Research Conference \(GRC\) in Chemical Oceanography: "Tracers in the Sea"](#), 16-21 July 2023, New Hampshire, USA
- [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
- [EMB \(European Marine Board\) ECOP Network Forum](#), 8-9 October 2023, Santiago de Compostela, Spain
- [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
- [Austral Summer Institute XXI - ASI XXI](#) 2-26 January 2024, Concepcion, Chile

## SCOR Visiting Scholars



Prof. Elva Escobar-Briones, a 2023 SCOR Visiting Scholar from the Universidad Autonoma de Mexico (UNAM) with a group of students at the Universidad de Costa Rica (UCR) at San Jose, Costa Rica. Prof. Escobar-Briones's visit was aimed at providing capacity development and scientific partnership actions in support of the SCOR WG 159 DeepSeaDecade and the UN Decade of Ocean Science for Sustainable Development endorsed Challenger 150 program and endorsed project 136.2. Enhancing capacity development in the Tropical Atlantic and Caribbean (TAC) Region. She was hosted by Prof. Jorge Cortes at the UCR.



Prof. Luciana Santoferara, a SCOR " Exceptional Call" awardee from Hofstra University (USA) worked with host Fernando Unrein at the Instituto Tecnológico de Chascomús (INTECH) (CONICET-Universidad Nacional de San Martín) in Argentina. The training was in novel approaches to quantify and identify important plankters that remain little known from the functional and taxonomic points of view. The activities were framed within the goals of WG #165 MixONET.





Prof. Kaylee Smit, a SCOR 2023 Visiting Scholar from Ocean Life Science, South Africa and in collaboration with the Blue Economy Research Institute (BERI) at the University of Seychelles, organized two workshops aimed at increasing coordination and harmonization for improved marine monitoring in Seychelles and to expand the application of baited remote underwater stereo-video systems (stereo-BRUVS) as a monitoring tool. Kaylee Smit was hosted by Sylvanna Antat, the Director of BERI.

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## News from the projects and Working Groups

Check the [SCOR calendar](#) for SCOR Project and Working Groups related events.

### Latest news from the projects at:

#### SCOR Research Projects:

- Marine biogeochemical cycles of trace elements and their isotopes ([GEOTRACES](#)) - be attentive to the forthcoming Intermediate Data Product (IDP) release on the 2nd of July!
- 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 ([OCCP](#))
- Global Harmful Algal Blooms ([GlobalHAB](#))
- Southern Ocean Observing System ([SOOS](#))
- Changing Ocean Biological Systems ([COBS](#))
- Joint Committee on Seawater ([JCS](#))

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## Publications

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

Chen, X.-G., Rusiecka, D., Gledhill, M., Milne, A., Annett, A. L., Birchill, A. J., et al. (2023). Ocean circulation and biological processes drive seasonal variations of dissolved Al, Cd, Ni, Cu, and Zn on the Northeast Atlantic continental margin. *Marine Chemistry* 252, 104246. doi: [10.1016/j.marchem.2023.104246](https://doi.org/10.1016/j.marchem.2023.104246).

Cronin, M. F., Swart, S., Marandino, C. A., Anderson, C., Browne, P., Chen, S., et al. (2023). Developing an Observing Air–Sea Interactions Strategy (OASIS) for the global ocean. *ICES Journal of Marine Science* 80, 367–373. doi: [10.1093/icesjms/fsac149](https://doi.org/10.1093/icesjms/fsac149).

Feistel, R., and Hellmuth, O. (2023a). Non-equilibrium Entropy and Enthalpy of Seawater Evaporation. doi: [10.13140/RG.2.2.14538.24009](https://doi.org/10.13140/RG.2.2.14538.24009).

Feistel, R., and Hellmuth, O. (2023b). Thermodynamics of Evaporation from the Ocean Surface. *Atmosphere* 14, 560. doi: [10.3390/atmos14030560](https://doi.org/10.3390/atmos14030560).

González-Santana, D., Lough, A. J. M., Planquette, H., Sarthou, G., Tagliabue, A., and Lohan, M. C. (2023). The unaccounted dissolved iron (II) sink: Insights from dFe(II) concentrations in the deep Atlantic Ocean. *Science of The Total Environment* 862, 161179. doi: [10.1016/j.scitotenv.2022.161179](https://doi.org/10.1016/j.scitotenv.2022.161179).

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).

Hoffman, C. L., Monreal, P. J., Albers, J. B., Lough, A. J. M., Santoro, A. E., Mellett, T., et al. (2023). Microbial siderophore production is tightly coupled to iron in hydrothermal plumes. *Biochemistry* doi: [10.1101/2023.01.05.522639](https://doi.org/10.1101/2023.01.05.522639).

Lopez, C. N., and Hansell, D. A. (2023). Anomalous DOC signatures reveal iron control on export dynamics in the Pacific Southern Ocean. *Front. Mar. Sci.* 10, 1070458. doi: [10.3389/fmars.2023.1070458](https://doi.org/10.3389/fmars.2023.1070458).

Huggett, J. A., Groeneveld, J. C., Singh, S. P., Willows-Munro, S., Govender, A., Cedras, R., et al. (2022). Metabarcoding of zooplankton to derive indicators of pelagic ecosystem status. *S. Afr. J. Sci.* 118. doi: [10.17159/sajs.2022/12977](https://doi.org/10.17159/sajs.2022/12977).

Lough, A. J. M., Tagliabue, A., Demasy, C., Resing, J. A., Mellett, T., Wyatt, N. J., et al. (2023). Tracing differences in iron supply to the Mid-Atlantic Ridge valley between hydrothermal vent sites: implications for the addition of iron to the deep ocean. *Biogeosciences* 20, 405–420. doi: [10.5194/bg-20-405-2023](https://doi.org/10.5194/bg-20-405-2023).

Mitra, A., Caron, D. A., Faure, E., Flynn, K. J., Leles, S. G., Hansen, P. J., et al. (2023). The Mixoplankton Database (MDB): Diversity of photo-phago-trophic plankton in form, function, and distribution across the global ocean. *J Eukaryotic Microbiology*, e12972. doi: [10.1111/jeu.12972](https://doi.org/10.1111/jeu.12972).

Mitra, A., and Flynn, K. J. (2023). Low rates of bacterivory enhances phototrophy and competitive advantage for mixoplankton growing in oligotrophic waters. *Sci Rep* 13, 6900. doi: [10.1038/s41598-023-33962-x](https://doi.org/10.1038/s41598-023-33962-x).

Soares Gonçalves Serafim, T., Gomes de Almeida, M., Thouzeau, G., Michaud, E., Niggemann, J., Dittmar, T., et al. (2023). Land-use changes in Amazon and Atlantic rainforests modify organic matter and black carbon compositions transported from land to the coastal ocean. *Science of The Total Environment* 878, 162917. doi: [10.1016/j.scitotenv.2023.162917](https://doi.org/10.1016/j.scitotenv.2023.162917).

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## Obituaries

We are saddened to announce the passing of Dr. Miguel Dino Fortes (Philippines) and Prof. Vera Alexander (USA).

**Dr. Miguel Dino Fortes (Philippines)** was a Professor at the University of the Philippines, and a full member of WG #158, Coordinated Global Research Assessment of Seagrass System (C-GRASS). Miguel (Mike) was a tireless advocate for seagrasses, the people who depend on them, and for building the seagrass community of practice globally. Emmett Duffy, the co-chair of WG #158 would recall a moment during a C-GRASS meeting, with many small faces on the zoom screen, when Miguel greeted everyone by saying “Hello, beautiful people!” To Emmett, that set the mood in an important way for the WG interactions and he will strive to keep his example in mind. Miguel was the author of *Seagrasses: A resource unknown in the ASEAN*, which was inspirational for generations to come working in seagrass beds and their relation to food security. The obituary from the University of Philippines can be read [HERE](#).

**Prof. Vera Alexander (USA)**, was a retired Professor of the University of Alaska Fairbanks. She was a member of the Scientific Steering Committee of the Census of Marine Life project, which was affiliated to SCOR from 2000 to 2010. In 1965, Vera was the first woman to earn a Ph.D. from the University of Alaska Fairbanks. She pursued field science, became the director of Institute of Marine Science, and the first dean of the College of Ocean Sciences and Fisheries. Her distinguished scholarship, stewardship of marine science and influence in marine policy, has been recognized and honored nationally and internationally. Among her many achievements were 16 years of service on the Marine Mammal Commission, 12 years on the International Scientific Steering Committee of the Census of Marine Life, service as a founder, delegate and chair of the North Pacific Marine Science Organization (PICES), and the development and launch of the Research Vessel *Sikuliaq*. Read more [HERE](#).



**Miguel Dino Fortes (Philippines)**

*Image from Research Gate*



**Vera Alexander (USA)**

*Image from ARCUS.org*

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## Farewell

Working for SCOR for the last three years has been an extraordinary and unforgettable experience, managing SCOR's broad portfolio of activities and overcoming the additional challenges imposed by COVID-19.

I am grateful and proud for the opportunity of playing a role in the history and evolution of SCOR. I would like to thank the SCOR community, particularly the SCOR Executive Committee, for their trust and support throughout these years.

I would especially like to thank Ed Urban for his unconditional guidance and counsel as he patiently transferred 20 years of SCOR history and procedures to me. I also wish Emily all the best as she assumes the role of the next SCOR Executive Director.

SCOR has been a wonderful team, and I hope to continue interacting with the SCOR community in the future from my new position at the Australian Antarctic Division.

Fair Winds and Following Seas to SCOR and thanks to all!

## **Dr. Patricia Miloslavich** **SCOR Executive Director**

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