

April 2021 SCOR Newsletter # 45



News & Updates

It has been 5 months since the SCOR 2020 Annual Meeting was held online. Since then, the SCOR community continues to make progress, keeping engaged during these challenging times. Despite the travel restrictions and the lock downs, we seem to be more connected than ever through the tremendous power of remote connectivity. Now, we all have a remarkably busy agenda of online meetings.

As the world has initiated the vaccination campaigns to mitigate the effects of COVID-19, the prospect of face-to-face meetings and the re-initiation of cruises and field campaigns seems like a possibility once again, hopefully in the short term.

On the personal side, the SCOR community has not been immune to the devastating effects of COVID-19. We wish to express our solidarity with our colleagues who are suffering or have suffered the disease or have lost family members and friends. Our thoughts are with you all.

[Visit our Website](#)

News from the SCOR Secretariat

Call for 2021 POGO-SCOR Fellowships

The POGO-SCOR Visiting Fellowship programme for 2021 is open for applications **until the 30 April 2021**. This programme is designed to promote training and capacity development, leading towards a global observation scheme for the oceans, and is aimed at scientists, technicians, graduate students (preferably PhD) and post-doctoral fellows involved in oceanographic work at centres in developing countries and countries with economies in transition.

For more information and details on how to apply please click [here](#).

A dark blue rectangular banner. On the left is the POGO logo, which consists of the letters "pogo" in a white, lowercase, sans-serif font next to a stylized green and blue wave graphic. In the center, the text "Partnership for Observation of the Global Ocean & Scientific Committee on Oceanic Research" is written in a white, serif font. On the right is the SCOR logo, which is identical to the one at the top of the page but smaller. At the bottom, the text "Visiting Fellowship Programme 2021" is written in a large, bold, white, sans-serif font.

Call for SCOR 2021 Working Groups

The SCOR Secretariat is accepting proposals for new working groups **until the 14th of May 2021**.

More information about the call along with guidelines to prepare the proposal is available [here](#).

Recipients of the 2020-2021 The Oceanography Society (TOS) honours



Ed Urban
Photo: P. Miloslavich



Emmanuel Boss
Photo: University of Maine



Claudia Benitez-Nelson
Photo: Claudia Benitez-Nelson

Ed Urban, former Executive Director of SCOR was honoured as a Fellow of The Oceanography Society. Ed was made a Fellow based on the outstanding service and leadership that he has provided for several decades to the oceanographic community.

Along with Ed, Emmanuel Boss from the University of Maine and Dawn Wright from ESRI were also honoured as Fellows of TOS this year. Emmanuel is currently the co-chair of Working Group #154 on Integration of Plankton-Observing Sensor Systems to Existing Global Sampling Programs (P-OBS), and a member of the Scientific Steering Group of the International Carbon Coordination Project (IOCCP). Dawn served as a Nominated Member for the SCOR US National Committee.

Claudia Benitez-Nelson from the University of South Carolina was honoured with the Mentoring Award. Claudia is the Chair of the Capacity Development Committee of SCOR.

SCOR congratulates the awardees for this honour and is extremely proud of their contributions to SCOR!!

Recipients of the 2021 SCOR Visiting Scholars Awards

The SCOR [Capacity Development Committee](#) approved four Visiting Scholars applications for 2021.

A full list of SCOR Visiting Scholars since 2009 can be found [here](#).



[Enrique Montes](#)

Enrique Montes is a Research Associate at the College of Marine Science, University of South Florida (USA). He studies physical and biological drivers of carbon, nitrogen and oxygen cycling in the ocean, and how these cycles affect marine ecosystems across time and space. Enrique will teach at the Universidade Federal de Espírito Santo (Brazil) about biodiversity surveys, protocols and data management workflows with the Long Term Ecological Research Network (LTER).

Photo: International Association for Biological Oceanography (IABO)

Julia Sigwart

Julia Sigwart is a Head of the Malacology Section at the Senckenberg Research Institute and Natural History Museum (Germany). Her group works on the evolution of diversity in molluscs and other marine invertebrates spanning across genetics, morphology, anatomy, neurobiology, physiology, computational modelling, and experimental approaches, to understand species diversity. Julia will teach at the Universiti Putra Malaysia (Malaysia) about the role of taxonomy in ocean sciences, biodiversity resources, museum collections resources for ocean sciences.

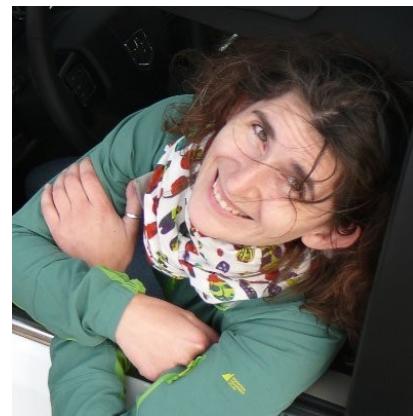


Photo: Twitter

Louise Firth

Louise Firth is a Lecturer in Marine Ecology at the School of Biological and Marine Sciences, University of Plymouth (UK). She works in the relationship between humans and coastal ecosystems and how this relationship has changed over time. She will teach at the South African Institute of Aquatic Biodiversity (SAIAB) (South Africa) about eco-engineering of the marine built environment.

Photo: University of Plymouth



Marina Ross

Marina Ross is a Fisheries and Aquaculture Researcher and Consultant at Acropolis, S.A. (Greece). She is a Researcher in fisheries, aquaculture and marine biology with operational and administrative expertise to develop and implement strategic and technology led initiatives. Marina will teach at Hue University (Vietnam) about fisheries and aquaculture.

Photo: LinkedIn

Research Graduate Network in Oceanography (RGNO)

The Namibian Research Graduate Network in Oceanography (RGNO) has organized a series of Discovery Seminars online. The RGNO-Academy Discovery Seminars will take place during the Namibian spring semester 2021 at 3pm CAT (GMT+2 = Namibian time).

Coming dates are: April (6, 12, 19, 26); May (5, 10, 17, 26, 31); June (7, 14, 21)

The full program can be found [here](#).



News from the projects



International Study of the Marine Biogeochemical Cycles of Trace Elements and Isotopes

Maeve Lohan, professor of marine chemistry at the University of Southampton (UK) has been appointed as the new co-chair of the [GEOTRACES SSC](#) joining co-chair Karen Casciotti (USA) and replacing Andie Bowie (Australia).

The GEOTRACES eNewsletter with the latest news and science highlights can be accessed [here](#).

Photo: University of Southampton



Integrated Marine Biosphere Research

The IMBeR eNewsletter with the latest announcements, articles and general news and science highlights can be accessed [here](#).



Surface Ocean - Lower Atmosphere

Minhan Dai, professor at the State Key Laboratory of Marine Environmental Science, Xiamen University (China) and Cliff Law, Principal Scientist in Marine Biogeochemistry at the National Institute of Water and Atmospheric Research (New Zealand) have been appointed as co-chairs of the [SOLAS SSC](#) replacing Lisa Miller (Canada).

SOLAS is planning to appoint two new members to the SSC this year to begin their terms on the 1st of January 2022. SOLAS welcomes scientific excellence expertise in i) air-sea physical interaction, ii) numerical modelling, and iii) biogeochemical cycles of carbon, nitrogen, and sulphur.

Deadline for applications: 15th April 2021

More information [here](#).

The SOLAS Newsletter with the latest announcements, articles and general news and science highlights can be accessed [here](#).



Minhan Dai
Photo: SOLAS website



Cliff Law
Photo: SOLAS website



International Ocean Carbon Coordination Project

Véronique Garçon, Senior Scientist at the Laboratoire d'Etudes en Géophysique et Océanographie Spatiales (LEGOS) of the Centre National de la Recherche Scientifique (CNRS) (France) has been appointed the new co-chair of the [IOCCP SSG](#) joining co-chair Kim Currie (New Zealand) and replacing Masao Ishii (Japan).

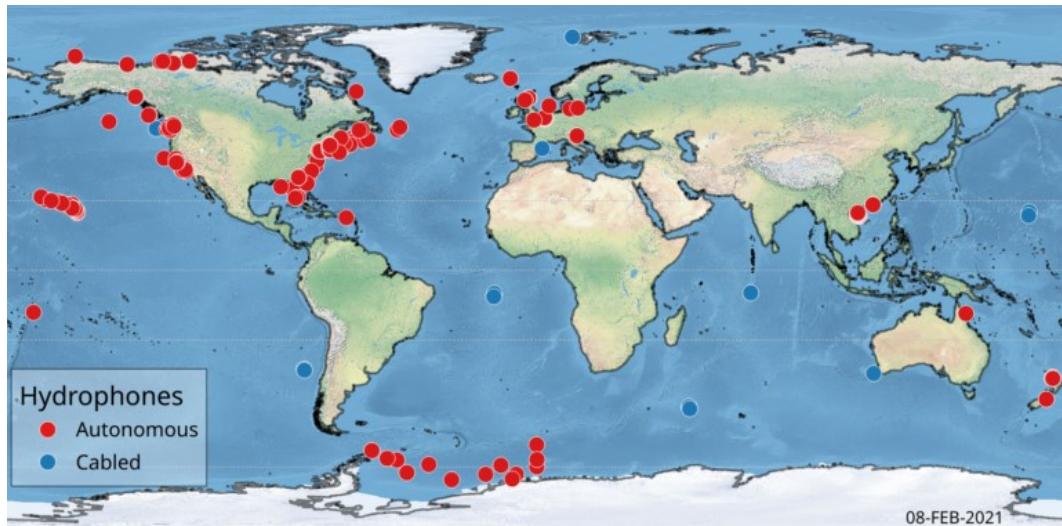
Photo: IOCCP website



International Quiet Ocean Experiment

The IQOE has recently updated its list of ocean acoustic observing assets based on hydrophones. Map source: [Eos magazine](#)

This and other relevant news can be found in the latest [Newsletter](#) of the IQOE



SOUTHERN OCEAN OBSERVING SYSTEM

The Southern Ocean Observing System

The SOOS Weddell Sea and Dronning Maud Land Regional Working Group are inviting submissions for a special issue in the open access journals of Copernicus. It is an inter-journal special issue of three journals Ocean Science, Biogeosciences and The Cryosphere.

The special issue is entitled "The Weddell Sea and the ocean off Dronning Maud Land: unique oceanographic conditions shape circumpolar and global processes – a multi-disciplinary study (OS/BG/TC inter-journal SI) "

Deadline for manuscript submission: 31 March 2022.

Guest editors: Markus Janout, Laura de Steur, Sébastien Moreau, Mia Wege, Mario Hoppema, Christian Haas, and Carol Robinson.

More information at the journal pages:

[Ocean Science](#)

[Biogeosciences](#)

[The Cryosphere](#)

Publications

The most recent contributions from the SCOR community include:

WG 21 – Continuous Current Velocity Measurements - 50 years later

John Gould (UK) and Walter Zenk (Germany) describe the work of SCOR's Working Group 21 and, particularly, the WG's activities aboard RV "Akademik Kurchatov". They describe their personal memories of the voyage and their subsequent research relating to the use of current meters and the investigation of the oceans' mesoscale variability and global scale circulation.

[Gould, J. W., and Zenk, W. \(2020\)](#). The SCOR Working Group 21 intercomparison of recording current meters on R/V "AKADEMIK KURCHATOV" – 50 years later. JOR 48, 31–53.
doi:10.29006/1564-2291.JOR-2020.48(3).3.

WG 143 – Dissolved N₂O and CH₄ measurements: Working towards a global network of ocean time series measurements of N₂O and CH₄

[Wilson et al. \(2020\)](#). Ideas and perspectives: A strategic assessment of methane and nitrous oxide measurements in the marine environment, Biogeosciences, 17, 5809–5828, 2020; doi: 10.5194/bg-17-5809-2020.

Bourbonnais et al. (2021). Protocols for assessing transformation rates of nitrous oxide in the water column. Front. Mar. Sci., accepted 05 March 2021; doi: 10.3389/fmars.2021.611937.

A '[Best Practice Guide](#)' (including seven SOPs) for dissolved CH₄ and N₂O is currently under public review. The 7 draft Chapters cover topics extending from sampling, calibration, quantification, and data reporting.

WG 145 – Modelling Chemical Speciation in Seawater to Meet 21st Century Needs (MARCHEMSPEC)

[Lodeiro, P., Turner, D. R., Achterberg, E. P., Gregson, F. K. A., Reid, J. P., and Clegg, S. L. \(2021\)](#). Solid-Liquid Equilibria in Aqueous Solutions of Tris, Tris-NaCl, Tris-TrisHCl, and Tris-(TrisH)₂SO₄ at Temperatures from 5 to 45 °C. J. Chem. Eng. Data 66, 437–455. doi:10.1021/acs.jced.0c00744.

[Chemical speciation modelling code](#)

WG 157 – Toward a new global view of marine zooplankton biodiversity based on DNA metabarcoding and reference DNA sequence databases (MetaZooGene)

[Kolbasova G, Kosobokova K, Neretina T \(2020\)](#) Bathy- and mesopelagic annelida from the Arctic Ocean:

Description of new, redescription of known and notes on some “cosmopolitan” species. Deep–Sea Res I 165:103327.

International Quiet Ocean Experiment (IQOE)

[Tyack, P. L., J. Miksis-Olds, J. Ausubel, and E. R. Urban Jr. \(2021\)](#). Measuring ambient ocean sound during the COVID-19 pandemic, Eos, 102, <https://doi.org/10.1029/2021EO155447>.

[Duarte et al.\(2021\)](#). The soundscape of the Anthropocene ocean. Science 371, 5 February 2021, DOI: 10.1126/science.aba4658

International Ocean Carbon Coordination Project (IOCCP)

[Report of the XV Session of the IOCCP Scientific Steering Group & Global Ocean Observing System Biogeochemistry Panel of Experts \(IOCCP-SSG-15\)](#) summarizing the current status and future plans related to IOCCP's coordination activities for each of their themes, including the new “Particulate matter” and “Observations-modelling interface” themes.

Obituaries



Dr. Thomas Church

Dr. Thomas M. (Tom) Church passed away on 11 February 2021 due to complications from COVID-19. Tom was a long-term faculty member at the University of Delaware where the SCOR office is based and also a member of SCOR Working Group #80 aimed to study the role of Phase Transfer Processes in the Cycling of Trace Metals in Estuaries.

Read [tribute](#) to Tom by GEOTRACES

Photo: BIOS (Bermuda Institute of Ocean Sciences)

Dr. José Stuardo Barría

Dr. José (Pepe) Stuardo, Emeritus Professor at the University of Concepcion, Chile, passed away on the 30 March 2021. José was instrumental in establishing what are SCOR's Graduate Networks in Oceanography today and was involved for almost two decades in the ECODIM courses. He was a SCOR nominated member for Chile for many years. José made significant contributions to marine science and to malacology both in Chile and internationally and established the basis for the development of oceanography in Chile and in Latin America through the development of regional capacity programs and of the PhD program in Oceanography at the University of Concepción.



A heartfelt tribute by his friend and colleague Kurt Hanselmann can be read [here](#).

Photo: Universidad de Concepción

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