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8.0 ORGANIZATION AND FINANCE

8.1 Membership

8.1.1 National Committees

Report on Membership Changes Since 2018 SCOR Annual Meeting

GERMANY Uli Bathmann, Colin Devey, Wolfgang Fennel were replaced by Tatiana Ilyina, Ilka Peeken, and Oliver Wurl

NAMIBIA Chris Bartholomae, Nhlanhla Lupahla, and Samuel Mafwila were appointed.

NETHERLANDS Corina Brussaard was replaced by Caroline Slomp

Member Nations and Nominated Members

		Nominated Members	
Australia	Peter Doherty	Trevor McDougall	Andreas Schiller
Belgium	J.C.J. Nihoul	François Ronday	
Brazil	José Maria Landim Dominguez	Mauricio M. Mata	Ilana Wainer
Canada	David Greenberg	Robie Macdonald	Paul Myers
Chile	Patricio Carrasco	Carmen Morales	Carlos A. Zuniga
China - Beijing	Hong Huasheng	Sun Song	
China - Taipei	Hui-Ling Lin	Pao-Kuan Wang	Ching-Ling Wei
Ecuador	Leonor Vera San Martin	Mario Hurtado	Francisco Medina
Finland	Riitta Autio	Jorma Kuparinen	Heidi Pettersson
France	Catherine Beltran	Catherine Goyet	Marie-Alexandrine Sicre
Germany	Tatiana Ilyina	Ilka Peeken	Oliver Wurl
India	M.M. Sarin	D. Sengupta	K. Somasundar
Ireland	Peter Croot	Eleanor O'Rourke	Brian Ward

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Israel	Yossi Loya		
Italy	Annalisa Griffa	Leonardo Langone	
Japan	Kaoru Kubokawa	Toshio Yamagata	Jing Zhang
Korea	Chan Joo Jang	Sinjae Yoo	
Mexico	Elva Escobar	Mario Martinez Garcia	Clara Morán
Namibia	Chris Bartholomae	Nhlanhla Lupahla	Samuel Mafwila
Netherlands	Caroline Slomp	Gerald Ganssen	Maria van Leeuwe
New Zealand	Julie Hall		
Norway	Dag Aksnes	Peter Haugan	
Pakistan	Asif Inam	Samina Kidwai	Ali Rashid Tabrez
Poland	Janusz Pempkowiak	Waldemar Surosz	Waldemar Walczowski
Russia	Sergey Dobrolubov	Andrey Kostianoy	Sergey Shapovalov
South Africa	Isabel Ansoorge	John Compton	Coleen Moloney
Sweden	Helén Andersson	Göran Björk	Bengt Karlsson
Switzerland	Daniel Ariztegui	Karl Föllmi	Kurt Hanselmann
Turkey	Bilge Tutak		
United Kingdom	Peter Burkill	Gideon Henderson	Alessandro Tagliabue
United States	Carol Arnosti	Kevin Arrigo	C. Bradley Moran

8.2 Publications Arising from SCOR Activities

The following publications resulted from SCOR-sponsored activities (working groups and other activities) since the 2018 General Meeting.

Please see project reports in Section 3 for more detailed lists. Each project maintains lists of their publications on their Web sites.

Bange, H.W., D.L. Arévalo-Martínez, M. de la Paz, L. Farías, J. Kaiser, A. Kock, C.S. Law, A.P. Rees, G. Rehder, P.D. Tortell, R.C. Upstill-Goddard, and S.T. Wilson. 2019. A Harmonized Nitrous Oxide (N₂O) Ocean Observation Network for the 21st Century. *Frontiers in Marine Science*, 2 April 2019, <https://doi.org/10.3389/fmars.2019.00157> - [WG 143](#)

Benitez-Nelson, C.R., K. Buesseler, M. Dai, M. Aoyama, N. Casacuberta, S. Charmasson, A. Johnson, J.M. Godoy, V. Maderich, P. Masqué, W. Moore, P.J. Morris, and J.N. Smith. 2018. Radioactivity in the Marine Environment: Understanding the Basics of Radioactivity. L&O eLectures.– WG 146

- Benitez-Nelson, C.R., K. Buesseler, M. Dai, M. Aoyama, N. Casacuberta, S. Charmasson, A. Johnson, J.M. Godoy, V. Maderich, P. Masqué, W. Moore, P.J. Morris, M.R. van der Loeff, and J.N. Smith. 2018. Radioactivity in the Marine Environment: Uranium-Thorium Decay Series. L&O eLectures. – WG 146
- Benitez-Nelson, C.R., S. Charmasson, K. Buesseler, M. Dai, M. Aoyama, N. Casacuberta, J.M. Godoy, A. Johnson, V. Maderich, P. Masqué, M. Metian, W. Moore, P.J. Morris, and J.N. Smith. 2018. Radioactivity in the Marine Environment: Understanding the Basics of Radioecology. L&O eLectures. – WG 146
- Bittig, H.C., A. Körtzinger, C. Neill, E. van Ooijen, J.N. Plant, J. Hahn, K.S. Johnson, B. Yang, and S.R. Emerson. 2018. Oxygen Optode Sensors: Principle, Characterization, Calibration and Application in the Ocean. *Frontiers in Marine Science* 4, 429, doi: 10.3389/fmars.2017.00429. – WG 142
- Butterworth, B.J. and Else, B.G.T. 2018. Dried, closed-path eddy covariance method for measuring carbon dioxide flux over sea ice. *Atmos. Meas. Tech.* 11:6075-6090, <https://doi.org/10.5194/amt-11-6075-2018> - WG 152
- Campbell, K., Mundy, C. J., Juhl, A. R., Dalman, L. A., Michel, C., Galley, R. J., Else, B. E., Geilfus, N. X., and Rysgaard, S. 2019. Melt Procedure Affects the Photosynthetic Response of Sea Ice Algae. *Front. Earth Sci.* 7:21. doi: 10.3389/feart.2019.00021, 2019 – WG 152
- Feistel, R. 2019. Defining relative humidity in terms of water activity. Part 2: relations to osmotic pressures. *Metrologia* 56(1) - IAPWS/SCOR/IAPSO Joint Committee on the Properties of Seawater (JCS)
- Le Bris, N., M. Yucel, A. Das, S.M. Sievert, Lokabharathi Ponnappakkam, and P.R. Girguis. 2019. Hydrothermal energy transfer and organic carbon production at the deep seafloor. *Frontiers in Marine Science* <https://www.frontiersin.org/articles/10.3389/fmars.2018.00531/full>. – WG 135
- Lombard, F., E. Boss, A.M. Waite, M. Vogt, J. Uitz, L. Stemmann, H.M. Sosik, J. Schulz, J.-B. Romagnan, M. Picheral, J. Pearlman, M.D. Ohman, B. Niehoff, K.O. Möller, P. Miloslavich, A. Lara-Lopez, R. Kudela, R.M. Lopes, R. Kiko, L. Karp-Boss, J.S. Jaffe, M.H. Iversen, J.-O. Irisson, K. Fennel, H. Hauss, L. Guidi, G. Gorsky, S.L.C. Giering, P. Gaube, S. Gallagher, G. Dubelaar, R.K. Cowen, F. Carlotti, C. Briseño-Aven, L. Berline, K. Benoit-Bird, N. Bax, S. Batten, S.D. Ayata, L.F. Artigas, and W. Appeltans. 2019. Globally consistent quantitative observations of planktonic ecosystems. *Front. Mar. Sci.* 6:196. <https://doi.org/10.3389/fmars.2019.00196> – WGs 154 and 150
- Meiners, K.M., Vancoppenolle M., et al. Chlorophyll-a in Antarctic land-fast sea ice: A first synthesis of historical ice-core data. *Geophysical Research: Oceans*, 123, 8444-8459, <https://doi.org/10.1029/2018JC014245> - W152
- Palmer, M.D. T. Boyer, R. Cowley, S. Kizu, F. Reseghetti, T. Suzuki, and A. Thresher. 2018. An Algorithm for Classifying Unknown Expendable Bathythermograph (XBT) Instruments Based on Existing Metadata. *Journal of Atmospheric and Oceanic Technology* 35:429-440. – WG 148

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- Roukaerts, A., D. Nomura, F. Deman, H. Hattori, F. Dehairs, and F. Fripiat. 2019. The effect of melting treatments on the assessment of biomass and nutrients in sea ice (Saroma-ko lagoon, Hokkaido, Japan), *Polar Biology* 42(2):347–356, <https://doi.org/10.1007/s00300-018-2426-y> - WG 152
- Ward, B., N. Ramaiah, V. Edgcomb, and S. Crowe (eds.). 2018. Ecosystem Response to Ocean Deoxygenation. *Deep-Sea Research Part II: Topical Studies in Oceanography* 156:1-168. – Special issue from SCOR WG 144
- Wilson, S.T., H.W. Bange, D.L. Arévalo-Martínez, J. Barnes, A.V. Borges, I. Brown, J.L. Bullister, M. Burgos, D.W. Capelle, M. Casso, M. de la Paz, L. Farías, L. Fenwick, S. Ferrón, G. Garcia, M. Glockzin, D.M. Karl, A. Kock, S. Laperriere, C.S. Law, C.C. Manning, A. Marriner, J.-P. Myllykangas, J.W. Pohlman, A.P. Rees, A.E. Santoro, M. Torres, P.D. Tortell, R.C. Upstill-Goddard, D.P. Wisegarver, G.L. Zhang, and G. Rehder. 2018. An intercomparison of oceanic methane and nitrous oxide measurements. *Biogeosciences*, 15, 5891–5907. <https://doi.org/10.5194/bg-15-5891-2018> - WG 143

8.3 Finances

Reports on SCOR finances will be provided at the meeting.