

8.0 ORGANIZATION AND FINANCE

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8.1 Membership

8.1.1 National Committees

Report on Membership Changes Since 2012 SCOR General Meeting

CHILE	Miguel Vasquez was replaced by Carlos A. Zuniga
CHINA-TAIPEI	Prof. Shu-Kun Hsu (hsu@ncu.edu.tw) is the new chairman and Profs. Ben Chao and C.-F. Dai are the other two new nominated members
FRANCE	Catherine Beltran replaced Laurent Labeyrie
PAKISTAN	Mohammad Moazaam Rabbani and Tariq-ur-Rehman were replaced by Ali Rashid Tabrez and Asif Inam
SWEDEN	Lena Kautsky was replaced by Agneta Andersson
USA	Robert Duce and Dawn Wright replaced Jay Pearlman and Jorge Corredor



Map generated from <http://www.world66.com/myworld66/visitedCountries>.

Member Nations and Nominated Members

Nation	Nominated Members to SCOR		
Australia	Peter Doherty	Trevor McDougall	John Volkman
Belgium	J.C.J. Nihoul	François Runday	
Brazil	José Maria Landim Dominguez	Mauricio M. Mata	Ilana Wainer
Canada	Robie Macdonald	Paul Myers	Bjørn Sundby
Chile	Patricio Carrasco	Carmen Morales	Carlos A. Zuniga
China - Beijing	Hong Huasheng	Sun Song	Zhu Mingyuan
China - Taipei	Ben Chao	C.-F. Dai	Shu-Kun Hsu
Denmark	Birger Larsen	Torkel Gissel Nielsen	
Ecuador	Edwin Pinto	Nikita Gabor	M. Pilar Cornejo R. de Grunauer
Finland	Riitta Autio	Kimmo Kahma	Jorma Kuparinen
France	Catherine Beltran	Sabine Schmidt	Marie-Alexandrine Sicre
Germany	Uli Bathmann	Colin Devey	Wolfgang Fennel
India	M. Dileep Kumar	Manish Tiwari	Satheesh C. Shenoi
Israel	Yossi Loya		
Italy	Giuseppe Manzella	Annalisa Griffa	
Japan	Toshitaka Gamo	Motoyoshi Ikeda	Satoru Taguchi
Korea	Jung- Keuk Kang	Kuh Kim	Sinjae Yoo
Mexico	Elva Escobar	Mario Martinez Garcia	Clara Morán
Netherlands	Corina Brussaard	Bert Hoeksema	
New Zealand	Julie Hall	Keith A. Hunter	
Norway	Dag Aksnes	Peter Haugan	
Pakistan	Asif Inam	Samina Kidwai	Ali Rashid Tabrez
Peru	Carlos Bocanegra Garcia	Enedia Vieyra Peña	Luis Icochea Salas
Poland	Czeshaw Druet	Piotr Szefer	Jan M. Weslawski
Russia	Victor A. Akulichev	Sergey Dobrolubov	Sergey Shapovalov
South Africa	John Compton	Ashley Johnson	Lynne Shannon
Spain	Marta Estrada	Alicia Lavín	Pere Masqué
Sweden	Ingemar Cato	Agneta Andersson	Johan Rodhe
Switzerland	Daniel Ariztegui	Karl Föllmi	Kurt Hanselmann
Turkey	Temel Oguz	Bilge Tutak	
United Kingdom	Peter Burkill	Karen Heywood	Nicholas Owens
United States	Robert Duce	Mary Feeley	Dawn Wright

Membership in the Scientific Committee on Oceanic Research (SCOR)
(available in English, Spanish, and French at <http://www.scor-int.org/memnats.htm>)

The Scientific Committee on Oceanic Research (SCOR) was founded in 1957 and is a component of the International Council for Science (ICSU). SCOR is the primary non-governmental organization for planning, promoting, and implementing international cooperative activities in oceanography. The international aspects of large ocean science programs such as the Joint Global Ocean Flux Study (JGOFS), the Global Ocean Ecosystem Dynamics (GLOBEC) project, the World Ocean Circulation Experiment (WOCE), and the study of Tropical Oceans and Global Atmosphere (TOGA) all had their origins in SCOR-sponsored groups. WOCE and TOGA became incorporated into the World Climate Research Programme (WCRP), and JGOFS and GLOBEC have been completed. On-going projects include the Global Ecology and Oceanography of Harmful Algal Blooms (GEOHAB) project, the Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) project, the Surface Ocean – Lower Atmosphere Study (SOLAS), and the GEOTRACES project on marine trace elements and isotopes.

For the past 29 years, SCOR has provided travel grants to scientific meetings for scientists from developing nations and nations with economies in transition. Hundreds of scientists have received full or partial travel support through this program, with support from the U.S. National Science Foundation. Several SCOR activities relate to scientific and environmental issues that are of special relevance to developing nations, such as harmful algal blooms, hypoxia, fisheries, etc.

Presently, 32 nations are members of SCOR, belonging to one of five membership categories. The only difference among the membership categories is the level of dues paid, with Category I nations paying US\$2,230 in 2013 and Category V nations (Japan, Russia, and the United States) paying US\$38,650. A nation's membership category is roughly based on its gross domestic product, and is also related to a nation's level of activity in ocean sciences. However, each nation determines its membership category and SCOR encourages nations to move to higher categories over time as they experience the benefits of membership.

Benefits

Membership in SCOR benefits nations in several ways. The advantages of membership in SCOR include the opportunity to comment on proposals for scientific activities as they develop, to assist in the formulation of international scientific priorities, and to encourage the involvement of a nation's scientists in these international efforts. The most tangible benefit is the increased exposure of a nation's scientists to international ocean science activities and the increased likelihood of participation in working groups and other SCOR activities. This is particularly important for nations that are still developing their ocean science capabilities and infrastructure. SCOR officers and co-opted members of the SCOR Executive Committee are elected from

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national SCOR committees. The alternating annual General Meeting and Executive Committee meetings of SCOR are generally hosted by national SCOR committees. These meetings provide opportunities for host nations to present the science being conducted locally.

SCOR working groups provide another means of exposure for scientists from member nations to the worldwide oceanographic community. Nominations for working groups are sought from all national members and SCOR makes a significant effort to include members of working groups from developing nations. The SCOR budget for these activities includes travel funds for scientists selected to participate in them, so this should not be a burden on the nation that nominates working group members.

Member nations receive background material for all annual SCOR meetings and have an opportunity to provide comments in person or in writing regarding working group proposals, the composition of SCOR working groups and the scientific steering committees of major oceanographic programs, and other SCOR actions. Support for travel of a nation's Nominated Members to SCOR's annual meetings are the responsibility of the nation.

Obligations

The main requirement to apply for SCOR membership is the demonstration that some national mechanism exists, or could be created, to serve as a National Committee for SCOR. The National Committee should include representation from the various marine science disciplines and from the various types of institutions in a nation's marine science community. The National Committee should nominate three individual scientists to represent the nation's SCOR Committee as Nominated Members of SCOR. The national Nominated Members are responsible to serve as a liaison and channel of information between SCOR and the nation's ocean science community.

A formal application for membership can be presented and accepted at SCOR's annual meetings or between meetings. Requests should be sent to the SCOR Secretariat. Any request for membership should include a very brief overview of the status of oceanographic research in the applying nation, including a short description of the major institutions, scientific interest, and other relevant information.

8.2 Publications Arising from SCOR Activities

The following publications resulted from SCOR-sponsored activities (working groups and other activities) since the 2012 General Meeting. Please see project reports in Section 3 for more detailed lists. Each project maintains lists of their publications on their Web sites.

- Bouwman, A.F., A.H.W. Beusen, C.C. Overbeek, D.P. Bureau, M. Pawlowski and P.M. Glibert. 2013. Hindcasts and Future Projections of Global Inland and Coastal Nitrogen and Phosphorus Loads Due to Finfish Aquaculture. *Reviews in Fisheries Science* 21:112-156. – From SCOR/LOICZ WG 132 on Land-based Nutrient Pollution and the Relationship to Harmful Algal Blooms in Coastal Marine Systems
- Boyd, P.W., D.C.E. Bakker, and C. Chandler. 2012. A new database to explore the findings from large-scale ocean iron enrichment experiments. *Oceanography* 25(4):64–71
<http://dx.doi.org/10.5670/oceanog.2012.104>. – From SCOR WG 131 on The Legacy of in situ Iron Enrichment: Data Compilation and Modeling
- Feistel, R., R. Tailleux, and T. McDougall. Thermophysical properties of seawater. *Ocean Science* http://www.ocean-sci.net/special_issue14.html - Special Issue from SCOR/IAPSO WG 127 on Thermodynamics and Equation of State of Seawater
- Leadbetter, A., L. Raymond, C. Chandler, L. Pikula, P. Pissierssens, and E. Urban. 2013. *Ocean Data Publication Cookbook*. IOC Manuals and guides No. 64, IOC, Paris, France.
- McDougall, T.J., D.R. Jackett, F.J. Millero, R. Pawlowicz, and P.M. Barker. 2012. A global algorithm for estimating Absolute Salinity. *Ocean Science* 8:1123-1134. – From SCOR/IAPSO WG 127 on Thermodynamics and Equation of State of Seawater
- Moore, C.M., M.M. Mills, K.R. Arrigo, I. Berman-Frank, L. Bopp, P.W. Boyd, E.D. Galbraith, R.J. Geider, C. Guieu, S.L. Jaccard, T.D. Jickells, J. La Roche, T.M. Lenton, N.M. Mahowald, E. Marañón, I. Marinov, J.K. Moore, T. Nakatsuka, A. Oschlies, M.A. Saito, T.F. Thingstad, A. Tsuda, and O. Ulloa. 2013. Processes and patterns of oceanic nutrient limitation. *Nature Geoscience* doi:10.1038/ngeo1765 – From IGBP/SCOR Fast-Track Initiative on Upper-Ocean Nutrient Limitation
- Pawlowicz, R., and R. Feistel. 2012. Limnological Applications of the Thermodynamic Equation of Seawater 2010 (TEOS-10), *Limnology and Oceanography:Methods* 10:853-867. – From SCOR/IAPSO WG 127 on Thermodynamics and Equation of State of Seawater
- Urban, E., A. Leadbetter, G. Moncoiffe, P. Pissierssens, L. Raymond, and L. Pikula. 2012. Pilot Projects for Publishing and Citing Ocean Data. *Eos* 93:425-426.
- Urban, E.R. Jr., and R. Boscolo. 2013. Using scientific meetings to enhance the development of early career scientists. *Oceanography*, <http://dx.doi.org/10.5670/oceanog.2013.16>. - From SCOR capability building activities and The Third Symposium on the Ocean in a High-CO2 World
- von Glasow, R. et al. 2013. Megacities and Large Urban Agglomerations in the Coastal Zone: Interactions Between Atmosphere, Land, and Marine Ecosystems”, *AMBIO* 42:13–28 DOI 10.1007/s13280-012-0343-9. - From IGBP/SCOR Fast-Track Initiative on Megacities and the coastal zone: air-sea interactions

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8.3 Finances

Reports on SCOR finances will be provided at the meeting.