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## MEMORANDUM

TO: Attendees, 2014 SCOR General Meeting  
FROM: Ed Urban, SCOR Executive Director  
RE: Background Book for Meeting  
DATE: 15 August 2014

I am pleased to enclose the background book for the upcoming SCOR General Meeting in Bremen, Germany. I hope that you have a chance to read it before the meeting, although I know that the time is limited and the background materials are extensive. Please be sure to review the annotated agenda following. I have tried to identify the actions that we need to consider at the meeting and have cross-referenced the agenda items to the pages where relevant background information can be found, so we can make the best use of our time together. Please skim the remainder of the book and focus on those sections that are most closely related to your interests and responsibilities. I hope that the book also will be a useful reference to you between SCOR meetings. The background book is also available on the Web, at <http://www.scor-int.org/2014GM/2014GM.htm>.

We will not be able to bring extra background books to the meeting, so please bring your copy if you requested one. Please let me know if you think other items should be made available to participants at the meeting.

I look forward to seeing each of you in Bremen next month.

# XXXII SCOR GENERAL MEETING

Bremen, Germany  
15-18 September 2014

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**NM = Nominated Member**

## Agenda for 2014 SCOR General Meeting

	Sun., Sept. 14	Mon., Sept. 15	Tues., Sept. 16	Wed., Sept. 17	Thurs., Sept. 18			
9:00	SCOR Committee on Capacity Building Meets	Welcome, Logistics, and Introductions (p. 1-1) President's Report Executive Director's Report (p. 1-3) Results of 2014 SCOR Election (p. 1-7)	WG Proposals (cont.)	IQOE (p. 3-95)	Symposium on Ocean Science in Germany, poster presentations of students, optional lab visit			
9:15				SCOR Capacity Building Activities (p. 5-1)		WG Proposals – Discussion of Proposals on Short List	IOCCP (p. 4-1)	
9:30							Second International Indian Ocean Expedition (p. 3-95)	SOOS (p. 4-19)
9:45								Data Publication (p. 4-37) JCS (p. 4-38) GlobalHAB (p. 4-41)
10:00		<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>				
10:15								
10:30								
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14:00	SCOR Executive Committee Meets in Closed Session	International Council on the History of Oceanography	WG Proposals – Fine-tune advice to WGs	Future Earth (p. 7-11)				
14:15				IABO (p. 7-15) IAMAS (p. 7-17) IAPSO (p. 7-18)				
14:30		Current WGs Reports from WGs WG 138 (p. 2-27) WG 141 (p. 2-54) WG 142 (p. 2-61) WG 143 (p. 2-69)	WG Proposals – Fine-tune advice to WGs	InterRidge (p. 7-23) IOCCG (p. 7-25) GACS (p. 7-30)				
14:45				POGO (p. 7-35)				
15:00				<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>		
15:15								
15:30								
15:45								
16:00		WG Proposals – Beginning of Discussion to Develop Short List (p. 2-75 and following)	GEOHAB (p. 3-1)	Finances (p. 8-5) Report of Ad Hoc Finance Committee				
16:15			IMBER (p. 3-17)					
16:30	GEOTRACES (p. 3-49)		SCOR Executive Committee Meets in Closed Session					
16:45	SOLAS (p. 3-74)							
17:00								
17:15								
17:30								
17:45								
18:00	SCOR Executive Committee Dinner	6 p.m. - Reception at MARUM with local scientists	8 p.m.- Dinner at Ratskeller, Hauff Saal					

# XXXII SCOR GENERAL MEETING

Bremen, Germany

15-18 September 2014

## ANNOTATED AGENDA

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### 1.0 OPENING

**1.1 Opening Remarks and Administrative Arrangements, p 1-1** *Schulz, Burkill, Urban*

**1.2 Approval of the Agenda, p. 1-3** *Burkill*  
Additions or modifications to the agenda as distributed may be suggested prior to approval of the final version.

**1.3 Report of the President of SCOR** *Burkill*  
The President will briefly review his activities for SCOR since the SCOR Executive Committee Meeting in November 2013 in Wellington, New Zealand.

**1.4 Report of SCOR Executive Director, p. 1-3** *Urban*  
The Executive Director will report on his activities for SCOR since the 2013 SCOR meeting, and on the current condition of SCOR.

**1.5 Appointment of an *ad hoc* Finance Committee, p. 1-6** *Burkill*  
The SCOR Constitution requires that a Finance Committee be appointed at every SCOR meeting. It must consist of at least three members of SCOR who are not members of the Executive Committee. The Finance Committee reviews the administration of SCOR finances during the previous fiscal year and the current year, and will propose a budget for 2015 activities and dues for 2016. The Committee will report to the meeting under agenda item **8.3**.

**1.6 2014 Elections for SCOR Officers, p. 1-7** *Fennell*  
The SCOR Secretary and all three Vice-President positions were open for nominations for the 2014 elections. The new SCOR officers will be announced and will commence their terms at the close of the meeting.  
**Action: Announce new SCOR Officers.**

## 2.0 WORKING GROUPS

### 2.1 Disbanded Working Groups

#### 2.1.1 SCOR/LOICZ WG 132 on Land-based Nutrient Pollution and the Relationship to Harmful Algal Blooms in Coastal Marine Systems, p. 2-1

The group is still producing a variety of papers based on its work, which acknowledge SCOR support.

**Action: None**

#### 2.1.2 SCOR/WCRP/IAPSO WG 136 on Climatic Importance of the Greater Agulhas System (with WCRP and IAPSO), p. 2-1

This group has completed its work and was disbanded. The report in Section 2 provides a final description of the group's fulfillment of its terms of reference.

**Action: None**

### 2.2 Current Working Groups

The Executive Committee Reporter for each working group will present an update on working group activities and progress, and will make recommendations on actions to be taken. Working groups expire at each General Meeting, but can be renewed at the meeting and can be disbanded whenever appropriate.

#### 2.2.1 SCOR WG 134 on The Microbial Carbon Pump in the Ocean, p. 2-4 *Urban*

This working group was formed in 2008 and is planning one final meeting later in 2014.

**Action: Consider disbanding after final meeting.**

#### 2.2.2 SCOR/InterRidge WG 135 on Hydrothermal energy transfer and its impact on the ocean carbon cycles, p. 2-16 *Coustenis*

This working group held its final meeting in conjunction with the 2014 European Geosciences Union meeting. It convened a special session at the meeting and used its meeting there to complete work on an article that was submitted to the journal *Science*. The group had planned to produce two papers describing new models of the influence of hydrothermal systems on the global carbon cycle, but decided that not enough field data were available to construct the second model.

**Action: Consider disbanding after final article completed.**

#### 2.2.3 WG 137: Patterns of Phytoplankton Dynamics in Coastal Ecosystems: Comparative Analysis of Time Series Observation, p. 2-17 *Volkman*

This group met most recently in conjunction with the Coastal and Estuarine Research Federation



in 4-7 November 2013 and convened a special session at the meeting. The group is planning one final meeting, in November 2014 in Zhuhai, China to finalize papers for a special issue of *Estuarine, Coastal and Shelf Science*.

**Action: Consider disbanding after 2014 meeting.**

#### **2.2.4 SCOR/IGBP WG 138: Modern Planktic Foraminifera and Ocean Changes, p. 2-27**

*Kucera, Feeley*

This group co-sponsored a workshop on Foraminiferal Geochemistry on 26 June at The Micropalaeontological Society's joint Foraminifera and Nannofossil Spring Meeting 2014 in Texel, The Netherlands. The goal of this workshop was "integrating recent element and isotope signatures of planktonic and benthic foraminifera, as well as discussing the development of a physiological basis for foraminiferal calcification" (see <http://www.tmsoc.org/foram-nanno2014.html>).

**Action: Consider funding for 2015 WG meeting.**

#### **2.2.5 WG 139: Organic Ligands – A Key Control on Trace Metal Biogeochemistry in the Ocean, p. 2-29**

*Urban*

This group met most recently in conjunction with the Ocean Sciences Meeting in Hawaii in February 2014 and convened a special session and Town Hall meeting there. They have submitted papers for a special issue of the journal *Marine Chemistry* (deadline for submissions was 14 June 2014) and are planning their final meeting in Croatia in April 2015, including a workshop for early-career scientists. The best practices manual to guide future approaches in determining organic ligands is in progress and will be published on the WG 139 Web site.

**Action: Consider funding for 2015 WG meeting.**

#### **2.2.6 WG 140: Biogeochemical Exchange Processes at the Sea-Ice Interfaces, p. 2-34**

*Volkman*

The group met in conjunction with the International Symposium on Sea Ice in a Changing Environment in Hobart, Australia in March 2014. The group's review on sea-ice methodologies has been submitted to the journal *Elementa*. A special issue of an open-access journal is also almost ready for submission, on specific sea-ice parameters and processes. The next in-person meeting of the group is planned after the Gordon Research Conference on Polar Marine Science, which will be held on 15-20 March 2015 in Lucca, Italy.

**Action: Consider funding for 2015 WG meeting.**

#### **2.2.7 WG 141 on Sea-Surface Microlayers, p. 2-54**

*Wurl, Volkman*

Working Group members (Full and Associate) are presently finalizing the SCOR report "Guide to best practices to study the ocean's surface". The report (75-100 pages) will fulfill the first term of reference of the working group, and will be available for free download from the SCOR website and the National Marine Biological Library Web site

(<http://www.mba.ac.uk/NMBL/>) by September 2014. The group is planning a working group meeting and workshop in Qingdao, China in October 2014, including sessions for early-career scientists.

**Action: Consider funding for 2015 WG meeting.**

**2.2.8 WG 142 on Quality Control Procedures for Oxygen and Other Biogeochemical Sensors on Floats and Gliders, p. 2-61**

*Koertzing, Feeley*

The group met for the first time on 1 March 2014, immediately after the 2014 Ocean Sciences meeting in Hawaii. It is preparing an article for *Eos* regarding the group's plans and has established connections with Argo data managers. The group's 2015 meeting will be held with either GO-SHIP or the Argo Steering Team.

**Action: Consider funding for 2015 WG meeting.**

**2.2.9 WG 143 on Dissolved N<sub>2</sub>O and CH<sub>4</sub> measurements: Working towards a global network of ocean time series measurements of N<sub>2</sub>O and CH<sub>4</sub>, p. 2-64**

*Kock, Volkman*

The group met in conjunction with the Ocean Sciences meeting in February 2014 in Hawaii and is mid-way through its first intercalibration exercise. SCOR has committed extra funding to the group to help with preparation of N<sub>2</sub>O and CH<sub>4</sub> standards for the next intercalibration. The group is participating in development of the MEMENTO database for N<sub>2</sub>O and CH<sub>4</sub> concentrations (<https://memento.geomar.de/database>). The next in-person meeting of the group is planned for September 2015, in conjunction with the 2015 SOLAS Open Science Conference in Kiel, Germany.

**Action: Consider funding for 2015 WG meeting.**

**2.2.10 WG 144 on Microbial Community Responses to Ocean Deoxygenation, p. 2-74**

*Urban*

This group met on 14-18 July 2014 in Vancouver for the first time and conducted an intercalibration exercise in Saanich Inlet in conjunction with its meeting.

**Action: Consider funding for 2015 WG meeting.**

**2.3 Working Group Proposals**

**2.3.1 Chemical Speciation Modelling in Seawater to Meet 21st Century Needs (MARCHEMSPEC), p. 2-75**

*Fennel*

**Action: Consider as new SCOR working group.**

- 2.3.2 Towards comparability of global oceanic nutrient data (COMPONUT), p. 2-93** *Naqvi*  
**Action: Consider as new SCOR working group.**
- 2.3.3 International Network for the Study of How Organisms Respond to Environmental change (INSHORE), p. 2-108** *Feeley*  
**Action: Consider as new SCOR working group.**
- 2.3.4 Patterns in global plankton biogeography (MARBIOG), p. 2-125** *Taguchi*  
**Action: Consider as new SCOR working group.**
- 2.3.5 Radioactivity in the Ocean, 5 decades later (RiO5), p. 2-139** *Volkman*  
**Action: Consider as new SCOR working group.**
- 2.3.6 Designing a biological observing system in the Southern Ocean to inform global ocean observing of marine ecosystems (SO-eEOV), p. 2-156** *Feeley*  
**Action: Consider as new SCOR working group.**
- 2.3.7 Optimized design of an ocean observing system for biogeochemistry in a changing climate, p. 2-173** *Volkman*  
**Action: Consider as new SCOR working group.**
- 2.3.8 Rheology, nano/micro-Fluidics and bioFouling in the Oceans (RheFFO), p. 2-189** *Taguchi*  
**Action: Consider as new SCOR working group.**

### **3.0 LARGE-SCALE SCIENTIFIC PROGRAMS**

SCOR currently sponsors four large-scale research projects; three of them are co-sponsored by other organizations. Each project has its own scientific steering committee (SSC) to manage the project on a day-to-day basis. SCOR and other co-sponsors are responsible to oversee the projects, which they do primarily through responsibility for the project SSC memberships and terms of reference, although sponsors also oversee the results of the projects' activities. Any proposed changes in membership or terms of reference are considered by the SCOR Executive Committee, in partnership with other co-sponsors, throughout the year. SCOR does not use discretionary funds (funds from SCOR member nation dues) for the research projects it sponsors, instead writing grant proposals to fund meetings and other activities of the projects. The SCOR Secretariat oversees the use of grant funds provided to the projects. Two additional projects, the International Quiet Ocean Experiment and the Second International Indian Ocean Expedition, are under development.

**3.1 IOC/SCOR Global Ecology and Oceanography of Harmful Algal Blooms Program, p. 3-1** *Enevoldsen, Taguchi*

GEOHAB continues to complete various synthesis products, including a final special issue and a summary for policymakers. The GEOHAB Scientific Steering Committee has proposed a follow-on project to continue helping the HAB research community support international activities to strengthen the scientific infrastructure of the field. This new activity is called GlobalHAB (see section 4.5).

**Action: None**

**3.2 Integrated Marine Biogeochemistry and Ecosystem Research, p. 3-2**

*Hofmann, Burkill*

IMBER is nearing the end of its first 10 years as a research project and is currently drafting a request for a 10-year extension to the project. A major event that was designed to help gather input for the next phase of IMBER was the Open Science Conference held in Bergen, Norway in June 2014. The Executive Committee will report on its review of a draft of the extension request. IMBER has requested sponsorship from the Future Earth initiative.

**Action: Report out on SCOR Executive Committee response to draft extension request.**

**3.3 GEOTRACES, p. 3-49**

*Schlitzer, Volkman*

Since the 2013 SCOR annual meeting, the major activity of GEOTRACES was the completion and release of the first GEOTRACES Intermediate Data Product (IDP). The IDP was launched at the 2014 Ocean Sciences meeting, including a Town Hall session, a video display of GEOTRACES sections at the SCOR booth, and distribution of the eGEOTRACES graphics (see <http://www.egeotraces.org/>) on a thumb drive. The data used to produce the graphics are freely available through the GEOTRACES Data Assembly Centre at the British Oceanographic Data Centre. GEOTRACES continues with an active program of cruises, publication of research results, and collection of data and metadata from cruises. The next GEOTRACES Scientific Steering Committee meeting will be held in Stellenbosch, South Africa in October 2014.

**Action: None**

**3.4 Surface Ocean – Lower Atmosphere Study, p. 3-74**

*Breviere, Coustenis*

SOLAS is nearing the end of its first 10 years as a research project and is currently drafting a request for a 10-year extension to the project. SOLAS has held several workshops to gather input for its extension request, including a workshop for young scientists. The Executive Committee will report on its review of a draft of the extension request. SOLAS has requested sponsorship from the Future Earth initiative.

**Action: Report out on SCOR Executive Committee response to draft extension request.**

**3.5 International Quiet Ocean Experiment, p. 3-95**

*Feeley*

The International Quiet Ocean Experiment (IQOE) Science plan was reviewed by 5 individuals and the editorial team for the plan is creating a response to review for SCOR and POGO to review.

**Action: Report on results of Science Plan review.**

### **3.6 Second International Indian Ocean Expedition (IIOE-2), p. 3-95**

*Burkill*

SCOR formed a committee to draft a Research Plan for IIOE-2. An open workshop will be held in Bremen on 12-13 Sept. 2014 to provide an opportunity for interested individuals to discuss the draft plan and for national research communities to inform each other about their research plans for the expedition. The draft will be revised following the Bremen workshop and provided to an IOC Interim Planning Committee for IIOE-2, which is being formed by IOC at this time. SCOR will nominate two members to this committee.

**Action: Review status of Research Plan development.**

## **4.0 INFRASTRUCTURAL ACTIVITIES**

### **4.1 IOC/SCOR International Ocean Carbon Coordination Project, p. 4-1**

*Tantua, Fennel*

IOCCP focuses on standards, data, and methods for ocean carbon and, more recently, for other aspects of ocean biogeochemistry. The IOCCP SSG held its 9<sup>th</sup> session in Honolulu, Hawaii, USA on 22 February, immediately preceding the 2014 Ocean Sciences Meeting. IOCCP activities are divided into 9 themes, with one SSG member leading on each theme: (1) Underway CO<sub>2</sub> Observations, (2) Ocean Interior Observations, (3) Time Series Efforts, (4) Synthesis Activities, (5) Ocean Acidification, (6) Nutrients, (7) Framework for Ocean Observing, (8) Data and Information Management, and (9) Instruments and Sensors. IOCCP has secured enough funding to organize the first-ever Sensor Summer School, to be held in late Spring 2015 in Europe. IOCCP has also agreed to take responsibility for international coordination of the Global Ocean Acidification Observing Network (GOA-ON).

**Actions: None**

### **4.2 SCAR/SCOR Southern Ocean Observing System (SOOS), p. 4-19**

*Volkman*

The SOOS Scientific Steering Committee met in Tromso, Norway in June 2014. The group is working on its Implementation Plan and continues to plan and conduct workshops related to SOOS science. At the Tromso meeting, the SSC developed guidelines for SOOS working groups, which will take on specific SOOS coordination and planning tasks. SCOR provides support for the SOOS SSC annually and provided additional one-time support in the amount of \$10,000 this year for special SOOS implementation activities.

**Action: Consider 2015 funding for SOOS.**

### **4.3 Data Publication Activity, p. 4-37**

*Urban*

This activity is conducted by an ad hoc group of representatives from SCOR, the International Data and Information Exchange of IOC, the British Oceanographic Data Centre, the MBLWHOI Library, and the U.S. National Oceanic and Atmospheric Administration. The group met by conference call twice this year and makes presentations (oral and poster) when the opportunity arises.

**Action: Consider funding for 2015.**

#### **4.4 IAPWS/SCOR/IAPSO Joint Committee on Seawater, p. 4-38**

*Morozov*

The Joint Committee on Seawater (JCS) exists to advise the International Association for the Properties of Water and Steam on issues related to seawater in industrial uses, as well as the continued scientific implementation of the TEOS-10 equations of state developed by WG 127. The group is managed by an Executive Committee of three people and has another 13 members. The group meets opportunistically at events related to their three topics of interest: seawater salinity, pH, and the relative humidity of moist air. Occasional travel support is needed by members of the JCS Executive Committee to represent the committee in pursuit of its mission.

**Action: Consider funding for 2015**

#### **4.5 GlobalHAB, p. 4-41**

*Urban, Enevoldsen*

GlobalHAB is the follow-on to the Global Ecology and Oceanography of Harmful Algal Blooms (GEOHAB) project. IOC has already endorsed GlobalHAB, which will focus on meetings and other activities to help the global community of scientists working on harmful algal blooms to address issues of cooperative planning, standards, data sharing, etc. IOC has invited SCOR to co-sponsor GlobalHAB. SCOR is awaiting a decision by NSF about whether they will provide funding for the project.

**Action: Consider SCOR sponsorship of GlobalHAB.**

### **5.0 CAPACITY-BUILDING ACTIVITIES**

#### **5.1 SCOR Committee on Capacity Building, p. 5-1**

*Ittekkot*

The SCOR Committee on Capacity Building oversees all capacity-building activities for SCOR and bears primary responsibility for reviewing and approving requests from organizations for travel support for scientists from developing countries and countries with economies in transition. The committee will meet on 14 Sept. in Bremen. Several members of the SCOR Executive Committee are members of Committee on Capacity Building to reduce costs of meeting in conjunction with the annual SCOR meetings.

**Action: None.**

#### **5.2 SCOR Visiting Scholars, p. 5-1**

*Ittekkot*

SCOR has sent 15 Visiting Scholars to 10 different countries in the first 6 years of the program. The program has resulted in a significant outcome for a moderate investment, including a four-year Research Camp at the University of Namibia that has been developed by a two-time SCOR Visiting Scholar, Kurt Hanselmann.

**Action: None**

#### **5.3 POGO-SCOR Visiting Fellowships for Oceanographic Observations, p. 5-4**

*Seeyave*

SCOR has co-funded this program with POGO since 2001. The program has funded more than 125 fellows so far.

**Actions: None**

**5.4 NSF Travel Support for Developing Country Scientists, p. 5-4** *Urban*  
SCOR's grant from the National Science Foundation for travel of developing country scientists to scientific meetings was renewed for three years, earlier this year. The funding is used primarily for travel grants, but also for the SCOR Visiting Scholars and POGO-SCOR Fellowships. The SCOR Committee on Capacity Building will make recommendations for meetings to be funded.

**Action: Consider recommendations of SCOR Committee on Capacity Building.**

## **6.0 RELATIONS WITH INTERGOVERNMENTAL ORGANIZATIONS**

**6.1 Intergovernmental Oceanographic Commission (IOC), p. 6-1** *Enevoldsen, Burkill*  
SCOR continues to co-sponsor several activities with IOC, including IOCCP (see item 4.1) and the finishing GEOHAB project (see item 3.1). A new cooperative activity with IOC is the Second International Indian Ocean Expedition.

**Actions: None**

**6.2 International Council for Exploration of the Seas, p. 6-11** *Fennel*  
No written report was available from ICES this year. Their annual meeting conflicts with the SCOR meeting dates, so they could not send anyone to the SCOR meeting.

**Action: Discuss scope for cooperation with ICES**

**6.3 Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP), p. 6-13** *Urban*

NSF provided funds for SCOR to co-sponsor GESAMP Working Group 38 on Atmospheric Input of Chemicals to the Ocean. The group is in its second phase, in which a workshop was held, which may result in as many as 8 peer-reviewed publications.

**Action: None**

**6.4 North Pacific Marine Science Organization (PICES), p. 6-17** *Batchelder, Taguchi*  
SCOR has long-standing cooperation with PICES, which has helped SCOR-sponsored international projects with implementations in the North Pacific region. PICES has sponsored Associate Members of SCOR working groups of interest to PICES and has cooperated with SCOR in various capacity-building activities.

**Actions: None**

## **7.0 RELATIONS WITH NON-GOVERNMENTAL ORGANIZATIONS**

### **7.1 International Council for Science**

#### **7.1.1 International Geosphere-Biosphere Program (IGBP), p. 7-1** *Broadgate, Burkill*

Ed Urban attended the 2014 IGBP Science Committee meeting in Hyderabad, India, to represent SCOR. IGBP is working on synthesis of its second phase activities and assisting Future Earth in its development. IGBP currently is co-sponsoring the SOLAS and IMBER projects, and WG 138.

**Action: None**

#### **7.1.2 World Climate Research Programme (WCRP), p. 7-4** *Fennel*

WCRP co-sponsors the SOLAS project and plans to continue as a co-sponsor after IGBP sunsets and the Future Earth initiative becomes a co-sponsor of SOLAS.

**Action: None**

#### **7.1.3 Scientific Committee on Antarctic Research (SCAR), p. 7-7** *Urban*

SCOR cooperation with SCAR is particularly in relation to the Southern Ocean Observing System, but SCAR conducts several other activities that may interest SCOR.

**Action: Discuss whether SCOR should request involvement in other SCAR activities.**

#### **7.1.4 Future Earth Initiative, p. 7-11** *Greenslade, Burkill*

The Future Earth initiative continues development, including announcement of a permanent distributed network structure and awarding of a group of grants for fast-track initiatives/clusters, which are cross-cutting projects among several potential Future Earth co-sponsored projects. SCOR is working with Future Earth to develop a mutually acceptable working arrangement in relation to SOLAS and IMBER.

**Action: None.**

### **7.2 Affiliated Organizations**

#### **7.2.1 International Association for Biological Oceanography (IABO), p. 7-15** *Sun*

IABO's main activity this year is to help convene the World Conference on Marine Biodiversity 2014 in Qingdao, China, which will also serve as the IABO General Assembly. SCOR has provided some support to this meeting for travel of developing country scientists. IABO has requested SCOR working groups and other activities to help keep the World Register of Marine Species (WoRMS) updated, and welcomes new subscribers to the IABO email list.

**Action: Convey IABO offers to SCOR email list.**

#### **7.2.2 International Association for Meteorology and Atmospheric Sciences (IAMAS), p. 7-17** *Coustenis*

The international Commission on Atmospheric Chemistry and Global Pollution of IAMAS co-sponsors SOLAS.

**Actions: None**



**7.2.3 International Association for the Physical Sciences of the Oceans (IAPSO), p. 7-18** *Morozov*

SCOR and IAPSO have co-sponsored many working groups in the past, including the most recent ones noted in the IAPSO report: SCOR/IAPSO WG 127 on The Thermodynamics and Equation of State of Seawater and SCOR/WCRP/IAPSO WG 136 on The Climatic Implications of the Greater Agulhas System.

**Action: Identify future areas for SCOR cooperation with IAPSO.**

**7.3 Affiliated Programs**

**7.3.1 InterRidge - International, Interdisciplinary Ridge Studies, p. 7-23** *Feeley*

InterRidge has been a long-time affiliated program of SCOR, and the two organizations are co-sponsoring WG 135 on Hydrothermal Energy Transfer and its Impact on the Ocean Carbon Cycles.

**Action: None.**

**7.3.2 International Ocean Colour Coordinating Group (IOCCG), p. 7-25** *Volkman*

SCOR co-sponsors various IOCCG activities through support from the U.S. National Aeronautics and Space Administration. Currently, the SCOR/IOC GEOHAB project and IOCCG are co-sponsoring a project on applications of remote sensing to detection of harmful algal blooms. SCOR recently provided support for developing country scientists to participation in the IOCCG Summer Lecture Series.

**Action: None.**

**7.3.3 Global Alliance of CPR Surveys (GACS), p. 7-30** *Burkill*

GACS is SCOR's newest affiliated program. GACS continues work toward fulfilling its goals of providing a global network of Continuous Plankton Recorder surveys and has achieved some success in helping establish new CPR surveys and providing training for people responsible for these new surveys.

**Action: None**

**7.4 Other Organizations**

**7.4.1 Partnership for Observation of the Global Oceans (POGO), p. 7-35** *Seeyave, Feeley*

SCOR and POGO have many areas of mutual interest and have a good history of cooperation over the 15 years of POGO's existence. The two organizations have co-sponsored a fellowship program for ocean observations since 2001 and currently are working together to develop the International Quiet Ocean Initiative (see item 3.5). SCOR and POGO also work together in relation to global capacity building for ocean science.

**Action: None**

#### **7.4.2 Marine Working Group of the International Arctic Science Committee, p. 7-38**

*Fennel*

SCOR had occasional discussions with Arctic Ocean Science Board and its successor, the Marine Working Group of the International Arctic Science Committee about establishing a more formal liaison or relationship between the two organizations. Those discussions have not yet been fruitful, but we will continue to communicate with the MWG when SCOR approves working groups or other activities with Arctic elements.

**Action: None.**

#### **8.1 Membership**

*Urban*

##### **8.1.1 National Committees, p. 8-1**

*Report on Membership Changes since 2013 Executive Committee Meeting, p. 8-1*

*Member Nations and Nominated Members, p. 8-2*

*Membership in the Scientific Committee on Oceanic Research (SCOR), p. 8-3*

**Actions: None.**

#### **8.2 Publications Arising from SCOR Activities, p. 8-4**

*Urban*

SCOR projects and working groups have produced many publications in the past year. SCOR working groups have special issues or significant papers under development, which will appear in the next year.

**Action: None**

#### **8.3 Finances, p. 8-5**

*Finance Committee, Urban*

The SCOR Executive Committee approved a Finance Committee consisting of Colin Devey (German), Karen Heywood (UK), Motoyoshi Ikeda (Japan), and Paul Myers (Canada). This committee will conduct its work during the SCOR meeting and will report on (1) findings related to the 2013 Audit report, (2) recommendations related for revisions to the 2014 SCOR budget, (3) recommendations for the 2015 SCOR budget, and (4) recommendations for dues levels in 2016.

**Actions: Present (1) findings related to the 2013 Audit report, (2) recommendations related to revisions to the 2014 SCOR budget, (3) recommendations for the 2015 SCOR budget, and (4) recommendations for dues levels in 2016.**

### **9.0 SCOR-RELATED MEETINGS**

#### **9.1 SCOR Annual Meetings**

##### **9.1.1 2014 General Meeting: Bremen, Germany, p. 9-1**

*Burkill*

**Action: Thank hosts**

##### **9.1.2 2015 Executive Committee Meeting: Goa, India, p. 9-1**

*Naqvi*

The SCOR Executive Committee meeting will be held in Goa, India on 7-9 December 2015, immediately following the symposium in Goa designed to celebrate the Golden Jubilee of the

National Institute of Oceanography, the legacy of the International Indian Ocean Expedition, and the launch of the Second International Indian Ocean Expedition.

**Actions: Discuss items related to planning for the SCOR Executive Committee Meeting in Goa.**

**9.1.3 2016 General Meeting: Sopot, Poland, p. 9-1**

*Burkill*

**Action: None**

**9.1.4 2017 Executive Committee Meeting, p. 9-1**

*Burkill*

Discuss potential locations for 2017 SCOR annual meeting.

**Action: None**

**9.2 Locations of Past SCOR Annual Meetings, p. 9-2**

**9.3 SCOR-Related Meetings Since the 2013 SCOR Executive Committee Meeting and Planned for the Future, p. 9-3**