

1.0 OPENING

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<i>2005 SCOR Executive Director's Report, p. 1-17</i> | <i>Urban</i> |
| 1.5 | Appointment of an <i>ad hoc</i> Finance Committee, p. 1-20 | <i>Sundby</i> |
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1.1 Opening Remarks and Administrative Arrangements**1.2 Approval of the Agenda (see the following)****37th SCOR EXECUTIVE COMMITTEE MEETING**

Cairns Convention Centre
Cairns, Australia

29 August – 1 September 2005

ANNOTATED AGENDA**1.0 OPENING****1.1 Opening Remarks and Administrative Arrangements** *Sundby, Urban***1.2 Approval of the Agenda** *Sundby*
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** *Sundby*
The President will briefly review activities since the SCOR Meeting in September 2004.**1.4 Report of SCOR Executive Director** *Urban***1.5 Appointment of an *ad hoc* Finance Committee** *Sundby*
The SCOR Constitution requires that a Finance Committee be appointed at every SCOR meeting. It must consist of 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 2006 activities. The Committee will report to the meeting under agenda item **8.4**. The SCOR Executive Committee approved Jorma Kuparinen (Finland) to chair the *ad hoc* Finance Committee. Two other members will be appointed before the meeting.**1.6 *Ad hoc* Committee to Review the Disciplinary Balance of SCOR's Activities** *Sundby*
The Executive Committee meeting in 1999 agreed that at future SCOR meetings, after the consideration of working group proposals is complete, the current disciplinary balance of SCOR groups should be assessed. Scientific gaps should be identified and communicated to national

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committees when the next request for working group proposals is sent.

Action: Approve a Disciplinary Balance Committee

2.0 WORKING GROUPS

2.1 Disbanded Working Groups

2.1.1 WG 78-- **Determination of Photosynthetic Pigments in Seawater** *Jeffries, Gross*

SCOR approved in 2004 the re-publishing of the book of this working group, with a new preface. The book is now in press. Interest has been expressed in creating a new edition of the book and some options will be presented by one of the original editors.

Action: Determine whether to support a new edition of *Determination of Photosynthetic Pigments in Seawater*.

2.1.2 WG 109—**Biogeochemistry of Iron in Seawater**

The group was disbanded and the members were thanked for their service. The subgroup on intercomparisons submitted a manuscript to *Marine Chemistry*, which will be linked to the SCOR Web site as soon as it is available.

Action: None

2.1.3 WG 114—**Transport and Reaction in Permeable Marine Sediments**

The group was disbanded and thanked for their service in planning a Gordon Research Conference. They did not produce a written product.

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. The Executive Committee should make preliminary decisions, based on the progress of working groups and the merits of the requests, about whether funding should be provided for 2006 activities of working groups that request funds. The Finance Committee will take into account the recommendations of the Executive Committee as it develops the 2006 SCOR budget, which is then subject to final approval by the meeting.

2.2.1 WG 111—**Coupling Winds, Waves and Currents in Coastal Models** *Wainer*

The group is developing a book entitled *Coupled Coastal Wind-Wave-Current Dynamics*, which will be published by Cambridge University Press in 2006. Peter Craig (Australia) is leading the editorial work for the book. The group's activities are funded by the U.S. Minerals Management

Service and National Aeronautics and Space Administration.

Action: None

2.2.2 WG 115—Standards for the Survey and Analysis of Plankton *Pierrot-Bults*

The group plans to meet for its third and final time in May 2006 in Plymouth, UK at the Sir Alistar Hardy Foundation for Ocean Sciences and will bring together the findings of the working group in relation to its Terms of Reference and to provide the scientific community with recommendations on standards for the surveys and analyses of plankton. The group is not yet decided about the form of its final product.

Actions: Decide whether to approve request for funding for 2006 meeting

2.2.3 WG 116—Sediment Traps and ²³⁴Th Methods for Carbon Export Flux Determination *Labeyrie*

The group held its final meeting in April 2005 in Xiamen, China. The group is nearly finished with a sediment trap synthesis paper to be published *Progress in Oceanography* and group members have contributed to several papers in *Marine Chemistry*.

Action: Determine whether to disband the group when the special issue is published

2.2.4 WG 119—Quantitative Ecosystems Indicators for Fisheries Management *Field*

A special issue of the *ICES Journal of Marine Science* was published in May 2005 from the symposium and was distributed to libraries in developing countries. The working group chairs are proposing a small meeting to follow up on the results of their symposium. This meeting would be funded by a small amount of left-over registration fees (~US\$11,400).

Actions: (1) Consider follow-up activities and (2) Decide whether to disband group.

2.2.5 WG 120—Marine Phytoplankton and Global Climate Regulation: The *Phaeocystis* Species Cluster As Model *Hall*

The group is convening a symposium in September 2005 as their final meeting. The papers from the meeting will be published in a special issue of the journal *Biogeochemistry*.

Action: None.

2.2.6 WG 121—Ocean Mixing *Akulichev*

The group held a successful conference in October 2004 in Victoria, B.C., Canada. 120 individuals attended the conference, which was supported by funds from the U.S. Office of Naval Research, U.S. National Science Foundation, and registration fees. The group held its second meeting following the conference. The papers from the symposium will be published in a special issue of *Deep-Sea Research II*, anticipated to be published in March 2006. Three Associate Members were replaced in 2005 by Sonya Legg (USA), Jennifer Mackinnon (USA), and Anne Marie Treguier (France), who each participated in the conference. The final meeting of the group will be held in conjunction with the 2007 IUGG General Assembly.

Action: None

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2.2.7 WG 122—Estuarine Sediment Dynamics

Labeyrie

The working group held its second meeting in Texel, The Netherlands in June 2005. It has developed a Web site, which is available at <http://www.criba.edu.ar/scorwg122>. The group will hold its final meeting in College Station, Texas, USA, in 2006.

Action: Decide whether to approve request for funding for 2006 meeting.

2.2.8 WG 123—Reconstruction of Past Ocean Circulation (PACE)

Labeyrie

The group held a conference on their topic in Atlanta, Georgia, USA in March 2005, bringing together physical oceanographers and paleoceanographers. They will hold their next meeting sometime in 2006.

Action: Decide whether to approve request for funding for 2006 meeting.

2.2.9 WG 124— Analyzing the Links Between Present Oceanic Processes and Paleo-records (LINKS)

Wainer

The group held a planning meeting in conjunction with the 8th International Conference on Paleoceanography in September 2004 in Biarritz, France. They will hold their second meeting at the Fall AGU Meeting in San Francisco, California, USA in December 2005.

Action: Decide whether to approve request for funding for 2006 meeting.

2.2.10 WG 125—Global Comparisons of Zooplankton Time Series

Pierrot-Bults

The group will hold its first meeting in Silver Spring, Maryland, USA in November 2005. Their next meeting is planned for Honolulu, Hawaii, USA in April 2006.

Action: Decide whether to approve request for funding for 2006 meeting.

2.2.11 WG 126—Role of Viruses in Marine Ecosystems

Hall

The group held its first meeting in conjunction with the meeting of American Society of Limnology and Oceanography (ASLO) in Santiago de Compostela, Spain in June 2005. Because most group members were attending the ASLO meeting, there was cost to SCOR. Working group members convened a special session on “Viruses, Microbial Diversity and Ecosystem Function” at the ASLO meeting. The next meeting will be held in Victoria, B.C., Canada in conjunction with the ASLO summer meeting in June 2006.

Action: Decide whether to approve request for funding for 2006 meeting

2.3 New Working Group Proposals

Six working group proposals were received by the SCOR Secretariat. SCOR can fund two new working groups to begin in 2006.

2.3.1 WG on Thermodynamics and Equation of State of Seawater

MacCracken

Action: Determine whether to approve as new SCOR working group

2.3.2 WG to Investigate Mesopelagic Fish Populations as Potential Fishery Stocks *Hall*

This proposal is revised from a version discussed at the 2004 General Meeting.

Action: Determine whether to approve as new SCOR working group

2.3.3 WG on Hydrodynamic and Sediment Transport Model Prediction Performance Criteria *Healy, Labeyrie*

Action: Determine whether to approve as new SCOR working group

2.3.4 WG on Natural and Human-Induced Hypoxia and Consequences for Coastal Areas *Duce*

Action: Determine whether to approve as new SCOR working group

2.3.5 WG on Deep Ocean Exchanges with the Shelf *Akulichev*

Action: Determine whether to approve as new SCOR working group

2.3.6 WG on Critical Bathymetric Studies *Labeyrie*

Action: Determine whether to approve as new SCOR working group

3.0 LARGE-SCALE SCIENTIFIC PROGRAMS**3.1 SCOR/IGBP/IOC Global Ocean Ecosystems Dynamics (GLOBEC) Project***Field, Sundby*

GLOBEC held its 2005 SSC meeting in Rome, Italy to make it possible to meet with staff at the UN Food and Agriculture Organization. Two GLOBEC regional projects (ESSAS and CLIOTOP) produced science plans this year. The GLOBEC SSC continued planning its synthesis activities and planning for joint activities with IMBER. GLOBEC and IMBER have agreed to work together on studies related to end-to-end food webs. The next GLOBEC SSC meeting will be held in April 2006 in Honolulu, Hawaii, USA.

Action: Approve new SSC members

3.2 SCOR/IOC Global Ecology and Oceanography of Harmful Algal Blooms (GEOHAB) Program*Hall*

GEOHAB has embarked on a series of focused open science meetings to create research plans for its four Core Research Projects. Three have been held so far: (1) HABs in Upwelling Systems (in Lisbon, Portugal), (2) HABs in Fjords and Coastal Embayments (in Viña del Mar, Chile), and HABs and Eutrophication (Baltimore, Maryland, USA). The plan from the Upwelling meeting was published by IOC in March 2005, and the plans for the Fjords and Coastal Embayments, and Eutrophication meetings are in progress. The final open science meeting will be held on HABs and Stratification (December 2005 in Paris, France). The next SSC meeting will be held in Villefrance, France early in 2006. The major focus of the meeting

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will be implementation of GEOHAB Core Research Projects. New SSC members will be proposed later this year. GEOHAB needs an International Program Office.

Action: None

3.3 SCOR/IGBP Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) Project

Hall, Duce

The IMBER *Science Plan and Implementation Strategy* was approved by SCOR and IGBP, and published in mid-2005. The IMBER SSC met in April 2005 in Shanghai, China to discuss implementation activities. IMBER has established an IPO in Brest, France and has hired an Executive Officer for the IPO, Sylvie Roy. Dr. Roy will start full-time work for IMBER in late August 2005. An advertisement has been circulated for a Deputy Executive Officer and a secretary has been hired for the IPO.

Action: None

3.4 GEOTRACES Planning Committee

Anderson, Duce

GEOTRACES activities are underway in Canada, China-Beijing, the Western Pacific, India, Germany, Japan, Spain, France, the UK, and the United States. The full GEOTRACES Planning Committee met for the second time in Vienna, Austria in May 2005 to respond to community comments on their science plan. The science plan will be reviewed in July 2005 and reviewers' comments will be presented at the SCOR meeting. The planning committee is developing subcommittees for data management, and for standards and intercomparison experiments, which will meet in late 2005 or early 2006. GEOTRACES will work with the International Atomic Energy Agency in areas of common interest.

Action: Determine whether to approve GEOTRACES as a SCOR project.

3.5 SCOR/IGBP/WCRP/CACGP Surface Ocean-Lower Atmosphere Study

Labeyrie

SOLAS hired an Executive Officer, Dr. Jeff Hare, for its International Project Office in 2005. SOLAS held its first open science meeting as an official project in Halifax, Nova Scotia, Canada in October 2004 and has set the dates for its next OSM: March 2007 in Xiamen, China. SOLAS and IMBER have agreed to create a cooperative research activity related to ocean carbon and are in the process of forming a working group to guide the activity and to interact with IOCCP.

Action: None

3.6 Land Interactions in the Coastal Zone (LOICZ) Project

Hall

The 2002 SCOR General Meeting agreed to co-sponsor the elements of LOICZ related to coastal ocean science, pending development of financial support for LOICZ. SCOR has not yet been able to develop funds to assist LOICZ, but has provided travel grants for two LOICZ meetings.

Actions: Discuss potential cooperative joint activities and funding sources.

4.0 OCEAN CARBON AND OTHER ACTIVITIES

4.1 International Ocean Carbon Coordination Project

Urban

SCOR and IOC convened an “Ocean Carbon Stakeholders Meeting” in Paris in December to determine what would be the best approach to replace the SCOR/IOC Advisory Panel on Ocean CO₂ and to create a structure that will encourage national contributions to SOLAS and IMBER ocean carbon research goals. The result of the meeting was the formation of a SCOR/IOC International Ocean Carbon Coordination Project (IOCCP) and a SOLAS/IMBER Ocean Carbon Research Implementation activity. The Scientific Steering Groups for both projects have been formed and will meet jointly annually and will work closely to coordinate ocean carbon research and observations worldwide.

Action: None

4.2 SCOR-IOC International Symposium on “The Ocean in a High-CO₂ World”

Duce

A special section of the *Journal of Geophysical Research—Oceans* will be published with the papers from the symposium later in 2005. IOC and SCOR have been discussing making the activity a continuing series of symposia.

Actions: (1) Decide whether to disband Symposium Committee after the special section is published and (2) decide whether to plan additional symposia with IOC

4.3 Other Activities

4.3.1 The Global Iron Cycle

Duce

SCOR was a supporting applicant for a proposal from IGBP to ICSU for an IGBP “fast-track” activity on the global iron cycle, which brought together experts on oceanic, atmospheric, and terrestrial aspects of the global iron cycle to document our current state of knowledge about the global iron cycle. The activity resulted in one synthesis paper for *Science* (see plastic folder following p. 4-16) and several other more-focused papers that will be submitted to *Global Biogeochemical Cycles*.

Action: None

4.3.2 SCOR Meeting on Coordination of International Marine Research Projects

Labeyrie, Urban

SCOR obtained funding from the Alfred P. Sloan Foundation to convene a meeting of representatives of the major large-scale ocean research projects, both SCOR-sponsored and others. The meeting was held in Mestre, Italy during the week before the 2004 General Meeting and was co-chaired by John Field and Laurent Labeyrie.

Actions: Consider (1) recommendations for SCOR action and (2) whether to convene another meeting in 2006.

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4.3.3 Panel on New Technologies for Observing Marine Life

Pierrot-Bults

The first meeting of the panel was held in Goa, India in February 2005. The panel has established a Web site (www.scoml.org) and is working on improving interactions with Census of Marine Life projects.

Action: None

4.3.3 Activity Proposed by the SOLAS and the International Nitrogen Initiative (INI)

Duce

The International Nitrogen Initiative (INI) is an international activity designed to develop a coordinated plan to understand nitrogen cycling for the world's continental regions and their coastal margins. INI has not, to date, pursued aspects of the global nitrogen cycle related to the open ocean. INI and SOLAS are jointly considering a review of the current understanding of the potential for changes in open ocean health due to human alteration of the marine nitrogen cycle, either directly or indirectly. This is an issue of central importance to SOLAS and is the subject of Activity 1.5 of the SOLAS *Science Plan and Implementation Strategy*. Robert Duce (USA) and Julie la Roche (Germany) will co-chair this activity to represent chemistry and biology, respectively. The INI/SOLAS review would be accomplished, in part, through a small workshop on this topic. Neither SOLAS nor INI has adequate funds to support this activity. They are requesting \$15,000 from SCOR for this activity.

Action: Determine whether to provide funding requested.

5.0 CAPACITY-BUILDING ACTIVITIES

5.1 Regional Graduate Schools of Oceanography and Marine Environmental Sciences

Wainer

The Executive Committee formed a small committee at the 2002 General Meeting to determine how to proceed with this activity, co-chaired by John Field and Ilana Wainer, and also including Huasheng Hong (China-Beijing) and Manuwadi Hungspreugs (Thailand). Ed Urban has been working with individuals in the Southeast Asia region, including Hong, Hungspreugs, and Anond Snidvongs (Thailand) to develop support for a planning meeting in the region. SCOR has also begun discussions with Canadian sources about potential funding for regional workshops and implementation.

Action: Discuss how to proceed in Africa and South America.

5.2 POGO-IOC-SCOR Visiting Fellowships for Oceanographic Observations

Urban

Five sets of fellowships have been awarded (13 each in 2001 and 2002, 8 in 2003, 12 in 2004, and 10 in 2005).

Action: Consider whether to provide funding in 2006.

5.3 NSF Travel Support for Developing Country Scientists*Urban*

SCOR received a three-year renewal from the U.S. National Science Foundation (NSF) of its grant for these awards, at a level of \$75,000 per year from mid-2005 to mid-2008. The grants have been an important source of support for several SCOR-related meetings in the past year, including (1) POGO-IOC-SCOR Fellowships, (3) GEOHAB and LOICZ Open Science Meetings, (4) SCOR-relevant workshops at the PICES annual meeting, (5) the IAPSO Workshop on Forecasting in the Benguela Current System, (6) the XIth International Harmful Algal Bloom Conference, (7) the Bjerknes Centenary 2004 conference, (8) the 8th International Conference on Paleoceanography, (9) an InterRidge conference on back-arc basins, (10) the International GLOBEC Symposium on Climate Variability and Sub-Arctic Marine Ecosystems, (11) Advances in Marine Ecosystem Modelling Research Conference, (12) the 2005 International Ocean Research Conference, (13) the first SOLAS Summer School, and (14) the IAPSO/IABO Assembly.

Action: Consider new requests.

5.4 SCOR Reports to Developing Country Libraries*Urban*

The SCOR Secretariat distributed two report to developing country libraries since the 2004 SCOR meeting: the special issue of the *ICES Journal of Marine Science* from WG 119's symposium and the IMBER Science Plan and Implementation Strategy.

Action: None

5.5 ICSU Priority Area Assessment on Capacity Building*Urban*

The committee conducting the ICSU Priority Area Assessment on Capacity Building issued a draft report for review in March 2005. Ed Urban provided comments to ICSU.

Action: None

6.0 RELATIONS WITH INTERGOVERNMENTAL ORGANIZATIONS**6.1 Intergovernmental Oceanographic Commission***Erb, Sundby, Urban*

Bjørn Sundby and Ed Urban attended the IOC Assembly in June 2005 to represent SCOR and made interventions related to the Intergovernmental Panel on Harmful Algal Blooms, the Intergovernmental Panel for GOOS, and IOCCP (see **p. 6-1**).

Action: None

6.1.1 Global Ocean Observing System (GOOS)*Field, Hall*

The terms of reference for the Intergovernmental Panel for GOOS (I-GOOS) and the GOOS Scientific Steering Committee were revised at the IOC Assembly. GOOS is planning

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implementation of its activities through GOOS Regional Alliances. John Field is chair of the GOOS Scientific Steering Committee.

Action: Discuss potential SCOR involvement with GOOS

6.2 Other Intergovernmental Organizations

6.2.1 Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP)

Huber, Duce

GESAMP's Sponsoring Organizations (UN, UNEP, FAO, UNESCO-IOC, WHO, WMO, IMO, and IAEA) are developing a revised Memorandum of Understanding to implement the strategic vision for GESAMP. GESAMP has continued to participate in the development of a regular UN process for Global Marine Assessment (GMA).

Action: Discuss future potential SCOR involvement with GESAMP and/or GMA

6.2.2 North Pacific Marine Science Organization (PICES)

Akulichev, Urban

SCOR and PICES have cooperated in several activities in the past year, as described in the PICES report.

Action: Consider requests for developing country scientist travel support.

7.0 RELATIONS WITH NON-GOVERNMENTAL ORGANIZATIONS

7.1 International Council for Science

Sundby, Urban

Michael McCracken was a member of the Advisory Committee for the ICSU Workshop on Comet/Asteroid Impacts and Human Society. The workshop was held in November/December 2004 in Santa Cruz de Tenerife, Canary Islands (see **p. 7-1**).

SCOR was a supporting applicant for three proposals to ICSU this year: (1) Dynamics of semi-enclosed marine ecosystems: the integrated effects of changes in sediment and nutrient inputs from land (PACKMEDS, with SCOPE and IAPSO), (2) Argo-Ed a “window” on the global ocean, and (3) Geohazards: Extreme Natural Events and Societal Implications (*GENESIS*). SCOR did not submit any proposals as a lead applicant. The first proposal was funded by ICSU for \$50,000 and SCOPE, IAPSO, and SCOR will begin assembling the project committee later this year.

SCOR nominated an individual (Kenji Satake, Japan) for the ICSU Scoping Group on Natural and Human Induced Environmental Hazards.

SCOR sent Geoff Brundrit (South Africa) to attend the First ICSU Regional Meeting for Africa in October 2004 (see his report on p. 7-15).

Action: None

7.1.1 International Geosphere-Biosphere Program (IGBP)

Broadgate

Bjørn Sundby and Ed Urban attended the IGBP Science Committee meeting in Beijing, China in February 2004 to represent SCOR. Julie Hall also attended at IGBP's expense as the IMBER SSC chair and Bob Duce attended as a new IGBP-SC member. SCOR and IGBP staff members have ongoing discussions in relation to co-sponsored projects. The PAGES project of IGBP will lead a new activity on "Atmospheric CO₂ and ocean biogeochemistry: modern observations and past experiences" and have asked IGBP and SCOR to each contribute \$15,000 to it.

Actions: (1) Determine which SCOR decisions need to be transmitted to IGBP for comment and joint action and (2) decide whether to provide SCOR funds for the fast-track initiative

7.1.2 World Climate Research Programme (WCRP)

MacCracken, Wainer

WCRP is co-sponsoring the SOLAS project and SCOR projects are working well with CLIVAR, the part of WCRP most relevant to SCOR. Mike MacCracken attended the WCRP meeting in Ecuador in March 2005. Ilana Wainer is a new member of the WCRP Joint Science Committee. SCOR provided funds to the CLIVAR IPO to help revise the WOCE hydrographic manual in terms of carbon measurements. A meeting is planned for this activity later in 2005.

Action: Discuss any new interactions that SCOR should initiate with WCRP

7.1.3 Scientific Committee on Antarctic Research (SCAR)

Hall

SCAR and SCOR are co-sponsoring a special session at the IAG/IAPSO/IABO meeting in Cairns, Australia, on the topic of integrated biological and physical oceanography in the Southern Ocean. The two organizations have also developed a joint Expert Group on Oceanography, which will meet for the first time at the Third International Conference on the Oceanography of the Ross Sea, which will take place in Venice, Italy, in October 2005.

Actions: None

7.1.4 Scientific Committee on Problems of the Environment (SCOPE)

Pierrot-Bults

Annelies Pierrot-Bults represented SCOR at the February 2005 SCOPE General Assembly. SCOR will participate with SCOPE and IAPSO in the PACKMEDS activity.

Action: None

7.1.5 Engineering Committee on Ocean Resources (ECOR)

Jones

The Engineering Committee on Ocean Resources (ECOR) is a Scientific Associate of ICSU. ECOR has appointed Ian Jones as their liaison to SCOR.

Action: (1) Provide nominations to ECOR for their carbon sequestration project and (2) appoint a SCOR liaison to ECOR

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7.2 Affiliated Organizations

7.2.1 International Association for Biological Oceanography (IABO) *Pierrot-Bults*
Action: Discuss potential areas of interaction with IABO.

7.2.2 International Association for Meteorology and Atmospheric Sciences (IAMAS) *MacCracken*
Action: Discuss potential areas of interaction with IAMAS.

7.2.3 International Association for the Physical Sciences of the Oceans (IAPSO) *Imawaki*
SCOR and IAPSO are currently co-sponsoring WG 121 on Ocean Mixing. Two working group proposals were generated by IAPSO and will be co-sponsored by SCOR and IAPSO, if (1) SCOR approves the proposals and (2) IAPSO can co-fund the groups or help raise funds from other sources.
Action: Discuss potential areas of interaction with IAPSO.

7.3 Affiliated Programs

The benefit of continued affiliation to SCOR is evaluated at each General Meeting. Reports are provided at Executive Committee meetings for information only. All of these programs were invited to send representatives to the project coordination meeting sponsored by SCOR in 2004. New guidelines, minus the former sunset period (see **p. 7-39**), were transmitted to the affiliated programs.

7.3.1 Applications for New Affiliated Programs *Sundby*
InterMARGINS is an international and interdisciplinary initiative concerned with all aspects of continental margin research. It is designed to encourage scientific and logistical co-ordination, with particular focus on problems that cannot be addressed as efficiently by nations or national institutions acting alone or in limited partnerships. InterMARGINS has applied for affiliation to SCOR.
Action: Determine whether to extend affiliated status to InterMARGINS

7.3.2 Census of Marine Life (CoML) *Pierrot-Bults*
The Census of Marine Life is progressing rapidly and now has 14 field projects underway. SCOR's Panel on New Measurement Technologies for Observing Marine Life is a scientific advisor to the CoML projects.
Action: None

7.3.3 International Antarctic Zone (iAnZone) Program*Wainer*

The next biennial iAnZone meeting will be held in Venice in October 2005 and SCOR approved developing country travel support for the meeting in 2004. iAnZone was requested to make a presentation at the SCOR Executive Committee meeting, but is unable to do so, due to limited funding.

Action: None

7.3.4 International Marine Global Changes Study (IMAGES)*Schneider, Labeyrie*

IMAGES will make a presentation at the SCOR Executive Committee meeting.

Action: None

7.3.5 InterRidge - International, Interdisciplinary Ridge Studies*Devey, Labeyrie*

SCOR provided support for travel of a developing country scientist to an InterRidge meeting in 2004.

Action: None

7.3.6 International Ocean Colour Coordinating Group (IOCCG)*Sundby*

IOCCG is making good progress on eliminating a backlog of project reports and will have a new chair, James Yoder (USA), at the end of 2005.

Action: None

7.4 Other Organizations**7.4.1 Partnership for Observation of the Global Ocean (POGO)***Field, Hall*

The most recent POGO meeting was held in Brest, France in late 2004. POGO has requested SCOR involvement in the GEO process and in creating a new database of research cruises.

Actions: Decide (1) whether to send a SCOR Executive Committee member to the upcoming POGO meeting and (2) how to respond to POGO's requests

8.0 ORGANIZATION AND FINANCE**8.1 2006 Election of SCOR Officers***Duce*

The process for the 2006 election of SCOR Officers will begin at the Executive Committee meeting by approval of a Nominating Committee. The dates for the steps in the election process cannot be specified until the dates of the 2006 General Meeting in Chile are known.

Action: Approve Nominating Committee

8.2 Membership

8.2.1 National Committees

Duce, Urban

Ed Urban met with the South African SCOR Committee in November 2004, and Bjørn Sundby and Ed Urban met with the French SCOR Committee in June 2005, in conjunction with the IOC Assembly. Thailand has enquired about re-joining SCOR, and discussions have been held with individuals from other nations. The changes in Nominated Members since the 2004 General Meeting are given on **p. 8-5**.

The Executive Committee approved a procedure in 2003 to change the status of members not paying their dues, to “Suspended Member” status, with less benefits. At the end of 2004, Bangladesh was moved to suspended status. The Philippines is also subject to a change in their status, since it has not paid dues in 2001-2004, although attempts have been made this year to reinstate The Philippines. Egypt is due to be placed in suspended status at the end of 2005, if no dues payment is received.

Action: Discuss suspension of Egypt and the Philippines, and potential new SCOR members

8.3 Publications Arising from SCOR Activities

Urban

Publications from Working Groups and Major Projects— WG 113 published a paper in *Quaternary Science Reviews* and WG 119 published a special issue of the *ICES Journal of Marine Science*. GEOHAB published its *Research Plan on HABs in Upwelling Systems* and IMBER published its *Science Plan and Implementation Strategy* since the last SCOR meeting. Two publications resulted from the Symposium on The Ocean in a High-CO₂ World (see following **p. 4-8**) and one publication resulted from the IGBP/SCOR activity on the global iron cycle (see following **p. 8-9**). Other publications are listed on **p. 8-9**.

2004 *SCOR Proceedings*—The *Proceedings* was printed and distributed in July 2005.

SCOR Brochure—The SCOR brochure is updated occasionally and given to potential sponsors, potential member nations, and others. The brochure is available in English, Spanish, and French.

SCOR Web site—The SCOR Web site is updated regularly and some new features were added in 2005, to make links to important information more obvious on the front page, gather information about working groups in one location, and provide the opportunity for listing news from national SCOR committees.

SCOR Newsletter—A SCOR Electronic Newsletter was started late in 2004, to provide more frequent updates about SCOR activities between annual meetings. Three issues have been distributed so far. The SCOR Secretariat will plan to issue three newsletters each year.

SCOR Poster—The SCOR poster is still available in A0 and A3 size.

Action: Are additional changes needed to the Web site and/or the SCOR Newsletter?

8.4 Finances

Finance Committee, Urban, Gross

The annual audit was completed in mid-July and Elizabeth Gross worked to prepare information for the auditors. The financial records and financial controls were found to follow accepted standards (see **p. 8-1**).

SCOR's grant from the National Science Foundation for developing country travel was renewed and SCOR received the third year of its ongoing science grant from NSF. SCOR also received renewed funding for IOCCP and increased funding for GEOTRACES.

Actions: (1) Approve revised 2005 SCOR budget, (2) approve 2006 SCOR budget, and (3) approve dues increases for 2007.

8.5 The Disciplinary Balance among SCOR Working Groups

Disciplinary Balance Committee

Actions: Are any special instructions for 2006 working group proposals needed?

9.0 SCOR-RELATED MEETINGS

9.1 SCOR Annual Meetings

The Executive Committee will consider potential locations in which to hold future meetings, particularly in nations that have not recently hosted annual meetings.

9.1.1 2005 Executive Committee Meeting – Cairns, Australia

Sundby

Special activities at the meeting in Cairns will be a presentation from the IMAGES project, consideration of GEOTRACES for approval as a SCOR project, and a special session on coral reef science.

Action: Thank Australian SCOR Committee and Australian Academy of Sciences.

9.1.2 2006 General Meeting – Concepción, Chile

Garnham, Sundby

The Chilean SCOR Committee has offered to host the 2006 General Meeting in Chile. The Chilean SCOR Committee has begun to make preparations for the meeting, which most likely will be held in October.

Action: Identify special agenda items for 2006 SCOR Meeting

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9.1.4 2007 Executive Committee Meeting

Sundby

Since the 2007 meeting was shifted to 2008, a new location must be found for the 2007 meeting. A tentative invitation has been received from the Norwegian SCOR Committee to hold the 2007 Executive Committee Meeting in Bergen, Norway.

Action: Discuss potential locations for 2007 Executive Committee meeting.

9.1.5 2008 General Meeting -- SCOR 50th Anniversary— Woods Hole, USA

Sundby

The Executive Committee has agreed to hold its 2008 meeting in Woods Hole to celebrate SCOR's 50th Anniversary, since Woods Hole was the site of the first SCOR annual meeting, in 1957. The planning committee (chaired by Robert Duce, USA) will report at the meeting in Cairns on plans for the 2008 meeting.

Action: None

9.2 Other meetings of interest to SCOR

Urban

Other SCOR-related meetings are listed on **p. 9-6**.

10.0 OTHER BUSINESS

Adjourn Open Executive Committee Meeting

1.3 Report of the SCOR President

1.4 Report of SCOR Executive Director

This report will describe the status of SCOR in a number of general areas. The annotated agenda gives a summary of the various projects, which are amplified by the written reports of each group and some verbal reports at the General Meeting.

Finances—The finances for SCOR are divided into two basic categories: (1) discretionary funding and (2) flow-through funding. For financial management and auditing reasons, and to give proper credit to SCOR's sponsors, SCOR does not mingle these funds, but keeps them very distinct.

Discretionary funding primary derives from dues to international SCOR from national SCOR committees. Dues are used to pay for operation of the SCOR Secretariat, the annual SCOR meeting, sending SCOR reports to developing countries, and for some working group and other scientific activities.

Flow-through funding derives from grants received by SCOR from national funding agencies, international organizations, and private foundations. These funds are devoted to specific activities. SCOR received continuing increments on its science grant and a three-year renewal of its grant for travel for developing country scientists from the U.S. National Science Foundation. NSF also provided additional funds for continuation of activities of the International Ocean Carbon Coordination Project and increased funding for GEOTRACES. **SCOR needs the assistance of national SCOR committees to develop more flow-through funding from national funding agencies for specific activities, so that SCOR will be less dependent on U.S. funding sources for these activities.**

SCOR's finances are still in good condition, with a surplus of about \$33,000 in net unrestricted assets achieved in 2004. Most of this surplus is due to leftover registration fees for meetings held in 2004, for the conferences on Quantitative Ecosystem Indicators for Fisheries Management, Ocean Mixing, and The Ocean in a High-CO₂ World, and is not available for other SCOR activities.

Registration fees have become an increasingly important source of funds for open meetings sponsored by SCOR. We set the fee levels early in planning for a meeting, based on what we think is needed to make the meeting break even financially. We are very careful in our estimates, so that SCOR does not have to pay unexpected cost overruns from its discretionary funds. If possible, we fund the fixed costs (costs that don't vary with the number of participants, such as the costs of committee and speaker travel, and meeting room rental) from grants to SCOR. We then fund incremental costs (costs that vary with the number of participants) with registration fees and set the registration fees at an appropriate level to break even financially whether we have lower or higher attendance than expected.

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In some cases, after the fees are set, we receive additional support for the meetings from outside sources, more people register than we expected, some aspects of the budget are less expensive than expected, or we otherwise end up with leftover registration fees. In cases of leftover registration fees, SCOR consults with co-sponsors about use of the funds, which can be used to (1) reimburse remaining meeting expenses borne by the sponsors, (2) pay for publications resulting from the meeting, and/or (3) pay for follow-up meetings related to the activity. In many cases, the leftover funds must be held until it is clear that all other meeting expenses have been paid.

Membership—Thailand has made inquiries about re-joining SCOR and Kuwait is considering making an application to join SCOR. I have also had contact with people in Korea and the Philippines about re-joining SCOR; decisions are pending.

Publications—The SCOR Web site is the major vehicle for providing up-to-date information about SCOR to the international ocean science community and I make changes to the site several times each week, as I receive new information. The site is checked for “dead links” monthly. A SCOR poster was published in 2004. SCOR activities yielded a number of publications in the primary literature and other venues this year, including several special issues of peer-reviewed journals. A SCOR Electronic Newsletter was instituted since the 2004 General Meeting, with issues in December 2004, March 2005, and July 2005. The Newsletter contains news about new working groups and the results of working group meetings, notable accomplishments of SCOR-related research projects, and information about significant publications from SCOR projects. A summary of the decisions made at the 2004 General Meeting were circulated about one month after the meeting, to avoid the long delay for written documentation until the *SCOR Proceedings* is published each year.

Meetings—Between the 2004 and 2005 SCOR annual meetings, 5 SCOR working groups met (WGs 116, 121, 122, 123, and 126). The GLOBEC SSC and its focus groups have conducted several meetings to continue working on implementing international GLOBEC activities and synthesizing GLOBEC research. The SSCs of SOLAS, IMBER, and GEOHAB also met and GEOHAB held a focused open science meeting in Baltimore, Maryland, USA. The GEOTRACES Planning Committee met in Vienna, Austria in May 2005 to complete their Science Plan for review.

I met with the South African SCOR Committee following other meetings I attended in Cape Town in November 2004 and met with the French SCOR Committee (with Bjørn Sundby) in June 2005. Although SCOR has only limited funding for its Executive Director or President to meet with national SCOR committees, we welcome opportunities to meet with national committees when we are traveling for other purposes in countries with national SCOR committees. I will be in Germany in Nov. 2005, India in March 2006 (Bjørn Sundby will also be

there), The Netherlands in May/June 2006, and France in June (with Bjørn Sundby). We could arrange to meet with the German, Indian, Netherlands, and/or French national SCOR committees, if desired. A SCOR PowerPoint presentation is available upon request.

Outreach to Scientists From Developing Nations and Capacity-Building Activities—SCOR promotes the improvement of scientific capacity in developing countries and countries with economies in transition by ensuring that every SCOR working group and other activity includes scientists from such countries. (23% of the membership of SCOR working groups, major projects, and other committees are from developing countries and countries with economies in transition.) SCOR also (1) administers a grant from the U.S. National Science Foundation to provide travel support to scientists from such countries to attend scientific meetings (see **p. 5-3**), (2) participates with POGO and IOC in supporting a program of visiting fellowships for oceanographic observations (see **p. 5-2**), and (3) is planning an activity to promote regional graduate schools of oceanography and marine environmental sciences (see **p. 5-1**). For the third activity, SCOR submitted a pre-proposal to the Asia-Pacific Network for Global Change Research (APN) and has begun discussions with a potential Canadian source of funding.

Partnerships With Other Organizations—Maintaining existing partnerships and developing new ones depends on SCOR having the ability to commit funding to joint activities and to send representatives to partners' meetings. We have made progress in new partnerships with SCOPE, IAPSO, and PICES, and have also strengthened our relationships with IGBP, IOC, and POGO. SCOR is developing its role as a catalyst of interactions among large-scale ocean research projects, through regular meetings of the projects and other mechanisms.

Staffing—Elizabeth Gross continues to handle many different financial aspects of SCOR, including the audit and reimbursements from sponsoring agencies and organizations. Liz is also working on the logistics of several large meetings for us, using project funds. I continue to manage the SCOR Secretariat activities, work on new project development/serve as a part-time Executive Officer for new projects (GEOHAB, GEOTRACES), pursue new funding for SCOR activities, and work on the SCOR Web site. Wesley Anne Ross retired from the Secretariat in July 2002 and died in April 2005, after a long battle with cancer. Phyllis Steiner, SCOR's half-time Secretary, handles reimbursements, maintains the SCOR contact database, orders supplies, helps with mailings, etc.

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1.5 Appointment of an *ad hoc* Finance Committee

The Executive Committee approved Jorma Kuparinen (Finland) to chair the 2005 Ad Hoc SCOR Finance Committee. Two other members will be identified before the meeting. The committee was approved in advance so they could receive and review SCOR financial information before the meeting.

1.6 Committee to Review the Disciplinary Balance of SCOR's Activities

The disciplinary balance of SCOR activities will be analyzed after new working groups have been approved, to determine whether any specific instructions need to be given in the request for working group proposals in 2006.