



Intergovernmental Oceanographic Commission
Reports of Meetings of Experts and Equivalent Bodies

**Executive Board
of the IOC-WMO-UNEP
Intergovernmental Committee
for the Global Ocean Observing System
(I-GOOS Board-IV)**

**Fourth Session
11 April 2008
Paris, France**

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ABSTRACT

The 4th session of the Executive Board of the IOC-WMO-UNEP Intergovernmental Committee for the Global Ocean Observing System (I-GOOS Board) was held in Paris, France, on 11 April 2008. The Board discussed open actions from its previous meeting held in Paris, June 2007 and agreed on a specific set of actions to follow up on during the intersessional period.

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1 OPENING AND WELCOME

The Chair, François Gérard, opened the meeting at 9h00 on 11 April 2008 and welcomed the participants. Four members, Chair, F. Gérard (France), Vice-chairs, K. Affian (Côte d'Ivoire), M. Altalo (USA), and S. Lin (China) were present, as well as outgoing and incoming GSSC Chairs, J. Field and R. Rayner, respectively. Vice-chair H. Soldi (Peru) sent his regrets. GPO Director, K. Alverson was present as technical secretary for the meeting. T. Gross, J. Ahanhanzo, N. D'Adamo attended as additional professional support from the IOC Secretariat. The Chair welcomed Ralph Rayner as the new GSSC Chair, thanked John Field for his work over the past three years, and thanked the IOC Secretariat for the generous arrangements.

2 INTRODUCTION

The Chair noted his regret that he had not sent a letter from the Chair to GOOS contact points recently and indicated his plan to do so soon after this meeting. He introduced recent resolutions of relevance to GOOS from the 24th IOC assembly, namely XXIV-1, XXIV-7 and XXIV-14 on Future of the IOC, GOOS, and TOWS respectively. He noted his recent activities on behalf of GOOS including attending the Working Group on the future of IOC, TOWS-1, GSSC-XI and PICO-I meetings and chairing the current I-GOOS Board-IV meeting as well as planned future participation in ABELOS-VIII (April 2008, Paris, France), IOC Executive Council (June 2008, Paris, France), and the 4th GRA Forum (November 2008, Guayaquil, Ecuador). He noted that the 9th I-GOOS session was planned for the week immediately prior to the IOC Assembly in June 2009.

The Chair went through the actions of the 3rd Board meeting in order. The agreed status of these actions is listed in the table below.

Board-III-1	Chair to ask Detlef Stammer to lead GSSC study on technical aspects, including operational procedures, related to a standard set of routine underway measurements by Research Vessels.	Done.
Board-III-2	GPO to work with Detlef Stammer to support this effort.	Done. Replaced by Board-IV-1
Board-III-3	GPO to publish a benchmark GOOS report based on National Commitments.	Incomplete. Replaced by Board-IV-3
Board-III-4	Mary Altalo to prepare a first draft of a " <i>summary for policy makers</i> ".	Incomplete. Replaced by Board-IV-8
Board-III-5	GPO to inform GRAs that the GRC is recognized and tell them to run 4 th Forum in Guayaquil.	Done.
Board-III-6	GPO to invite GRC Chair to I-GOOS Board meetings.	Ongoing.
Board-III-7	Chair to contact concerned Member States and prepare a plan concerning development of a sustained Arctic Ocean Observing System.	Incomplete. Ongoing.
Board-III-8	GPO to request GRC to follow on from work of GRAND.	Ongoing.
Board-III-9	GPO to call meeting of PICO alongside GSSC.	Done.
Board-III-10	GPO to adjust I-GOOS approved budget based on results of Assembly.	Done.
Board-III-11	Kouadio Affian to work with Ehrlich Desa and IODE to mainstream capacity building into all GOOS activities.	Incomplete. Ongoing.
Board-III-12	François Gérard and Mary Altalo to work to influence IOC Assembly resolution on GEO to ensure GOOS is well recognized.	Done.

The Chair then went through the GOOS programme of action as contained in IOC resolution XXIV-7 and the recommendations on GOHWMS from IOC resolution XXIV-14 as they pertain to GOOS. Results of the recent TOWS meeting included: (i) recognition of GLOSS as the coordinating body for all tsunami warning related sea level measurements and the call to GLOSS to define a '*core network*' for ocean hazards building on their already existing core network for climate; (ii) a call on DBCP to build an action group with

the ITC (International Tsunami Consortium) on deep sea pressure measurements; and (iii) a call to PICO engage with sea level observations and modeling for coastal hazards, including their impact on coastal ecosystems.

The Chair went through a number of actions he foresaw as likely to be required for the upcoming intersessional period. These were taken up at the end of the meeting and are reported in section 4 of this report.

The Chair then asked for any comments on the agenda. The outgoing GSSC Chair, John Field, mentioned the need to respond to actions arising from the immediately concluded GSSC-XI. The Chair noted that this would be taken under agenda item 3 'Follow-up to GSSC-XI'. The agenda was then adopted.

2.1 STATUS OF THE STUDY OF TECHNICAL ASPECTS, INCLUDING OPERATIONAL PROCEDURES, RELATED TO A STANDARD SET OF ROUTINE UNDERWAY MEASUREMENTS TAKEN BY RESEARCH VESSELS.

The GPO Director introduced the status of the study on technical aspects of standard set of routine underway measurements by research vessels. He informed the Committee that Detlef Stammer provided to GSSC a report in German outlining European practices. The GSSC Chair pointed out that since Detlef did not attend GSSC the document was not discussed. The European example was noted. An agreement at SOPAC for Pacific Island states, which allows Argo floats to be deployed in their waters without requiring bilateral permissions, was also discussed. It was agreed that there are no problems with drifting buoys because of article 247 in the UN Convention on the Safety of Life at Sea and that ABELOS is working on Argo.

Action 1. *Detlef Stammer to provide a translated version of his report in English, French and Spanish if available. (Deadline: 30 June 2008).*

Action 2. *GRA's to report how they deal with this issue in their region at the 4th Forum. (Deadline: 4th GRA Forum).*

2.2 STATUS OF GOOS 'BENCHMARK' REPORT BASED ON NATIONAL COMMITMENTS MADE AT I-GOOS VIII

The GPO Director introduced status of the GOOS benchmark report. He recalled that Board Members at their second meeting had agreed to turn in their own national reports many months before the deadline and then work with neighboring countries from the regions they represent in order to help ensure broad reporting occurred. He further noted that Board Members did not carry out these actions. In the end, only 18 responses were received and the Secretariat is having difficulty producing a comprehensive report based on this relatively poor rate of response by Member States.

Mary Altalo pointed out that a large percentage of the open ocean module is contained in the 18 responses received, so perhaps a report only on the open ocean/climate module could be done. François Gérard pointed out the WMO does their global system monitoring quite effectively, and agreed that such a task was easier for the global/open ocean/climate module. Nick D'Adamo pointed out that relevant national agencies produce annual reports with their coastal observational monitoring overviewed and suggested someone could spend several months looking through the relevant 100 or so national reports in order to produce an international coastal assessment. Kouadio Affian noted that individual recipient national agencies found the report template too broad. All agreed that we need to reassess the usefulness of the template. Ralph Rayner pointed out that even in the UK there was no one place to obtain all the information in the template. Mary Altalo said the USA obtained inputs from 14 national agencies and had two people working full time for 4 months to compile the inputs. Ralph Rayner suggested the role of GOOS is to encourage Member States or groups of Member States to develop mechanisms for national reporting. John Field pointed out that in S. Africa the recipient of the template was a government official who would not be able to fill it in, but that there are people and groups that could, so we need to use alternate contacts – perhaps through the GRA's – to get this kind of information. Tom Gross pointed out that formal benchmarks are sometimes difficult to employ, but we could just do more to show qualitatively what is currently being contributed to GOOS.

- Action 3.** *OOPC to produce the GOOS benchmark report concentrating only on the global/climate module. Coastal climate input would come only from GLOSS. Report to synthesize content of the 18 national reports to I-GOOS-VIII and be published no later than 3 months prior to I-GOOS-IX. (Deadline: January 2009).*
- Action 4.** *GRA's to report on regional monitoring efforts for a set of core coastal variables from the COOP Implementation Strategy. (Deadline: 4th GRA Forum).*
- Action 5.** *GOSIC to attend the 4th GRA Forum and be asked to assist GRA's in showcasing their activities, information and observational data on the GOSIC website. (Deadline: 4th GRA Forum).*
- Action 6.** *OOPC to produce a shorter, more focused, template to be prepared for I-GOOS-IX reporting based only on open ocean benchmarks. GPO to send this new template to GOOS and IOC national focal points well in advance of the 2009 I-GOOS meeting. (Deadline: 15 January 2009).*

2.3 STATUS OF THE 'SUMMARY FOR POLICY MAKERS'

Mary Altalo introduced this item. She outlined the need to obtain a list of the national agency representatives that provide financial contributions to the IOC trust fund. These 'contributing Heads of ministries' would be the target audience for, and contributors to, the report. François Gérard pointed out that the contributions to the IOC trust fund are far less important than the national contributions to maintaining the observing system itself and the policy maker targets are this later group. Mary Altalo felt that an important element of the report for policy makers would be a timeline of funding provided over the past decade and what the returns have been. The GPO Director agreed that the far more important target audience for this report is the real decision makers who provide funds to maintain the observing systems, not donors to the IOC trust fund. He stated that the donors contributing to the IOC trust fund to support GOOS are just a handful of people, are not providing substantial funds, and are not policy or decision makers. Nick D'Adamo pointed out that substantial funding for coordination activities are also raised by regional offices, for example in Perth and Rio, and that these funds are not visible in the IOC Secretariat accounting. Ralph Rayner pointed out that the amount of extrabudgetary funding provided for coordination by the GPO needs to be increased. He pointed out that the Board would have a very difficult time producing a summary for policy makers because policy makers have very different perspectives in different countries.

The GPO Director re-read the precise request from the Member States contained in Resolution XXIV-7 to 'prepare a summary for policy makers' and requested that the group consider discussing this topic under this agenda item rather than discussing fund raising and budget. Ralph Rayner pointed out that production of a good summary for policy makers is a huge task and will require a large amount of money that will need to be raised from Member States. Ralph Rayner pointed out that the GOOS programme office is grossly under resourced and that it cannot carry out the activities required of it with existing human and financial resources. Mary Altalo pointed out that resources were required in order to interact with GEO. All agreed that the GOOS Project Office needs to have a full time director, this is a full time job requiring a full time effort. Ralph Rayner suggested that the Board needs to raise extrabudgetary funding to hire staff. François Gérard pointed out that the GOOS Project Office is a core IOC responsibility and should be funded by the IOC regular budget. Shao Hua Lin felt that Member States expect the GPO to be funded by IOC regular budget and the core staff to be working on GOOS. The GPO Director pointed out that GPO regular budget funds come from UNESCO via its Member States, not from the agencies sitting as Member States at the IOC Assembly. Justin Ahanhanzo suggested that fund raising efforts should target high level policy making and budget planning bodies and that the private sector should be part of the fund raising strategy. Ralph Rayner suggested that part of the support for the GOOS Project Office should come from GEO as this would both provide funds and better linkages with GEO. Ralph Rayner suggested national members of GEO could perhaps earmark some of their GEO contributions to support the GOOS Project Office but noted that we have to avoid the possible perception of competition between GOOS/IOC and GOOS/GEO.

It was agreed that the IGOOS Board should set requirements for a summary for policy makers. Much has been possible to date, but we need a new focus on solving the climate challenge and a real demonstration of the status of the system in regions. To sustain the system we require sustained support. The report must be relevant to the policy makers of each region. Mary Altalo showed a PowerPoint with her draft sketch of six possible elements of content for the document: (i) Successes; (ii) Funding contributions; (iii) Status of observing systems in countries; (iv) Link to regulations in countries; (v) Specific targets of money; (vi) Specific build out or capacity building-inventory. She reported that she has already had discussions with the Executive Secretary of IOC concerning distribution and use of the report. She noted that IOC contact lists do not target UN or UNESCO Members and that we must define the target audience as much broader even than the member nations contributing to UNESCO. She pointed out that we are asking Member States to support their own efforts, in effect to give money to themselves, and that if the Member States endorse this concept and they will endorse the need for coordination. We need to be careful about overselling the degree to which IOC was responsible for the successes of GOOS. The Chair stated that Argo, for example, was not an IOC effort.

The Chair summarized that the summary for policy makers report must be ready for the 2009 IOC Assembly. The GPO Director indicated that the UK had generously made a small amount of extra-budgetary funding available to support the producing of this summary for policy makers report. Nick D'Adamo suggested that if such funds could be used, then Bill Erb might be a good person to contract for content. One member indicated that they might be willing to take on the task of preparing a first draft on a contract basis. The GPO Director clarified that he could not contract Board Members to carry out tasks, as the IOC statutes clearly require that representatives from Member States elected to the Board are meant to adding resources to those available for coordination, not drawing on them. It was agreed that given the very small amount of funds available, they would probably only cover layout, printing and distribution costs anyway, so some other solution would be required to actually write the report. The GPO Director stated that given the clear directive from the IOC Member States in resolution XXIV-7 to publish this report, the Secretariat would be willing to take full responsibility for this task.

- Action 7.** *Ralph Rayner to investigate using the GEO mechanism to raise funds for the GOOS. (Deadline: I-GOOS-IX, June 2009).*
- Action 8.** *GPO to prepare a first draft and circulate to the Board for comment (Deadline: 1 October 2008).*
- Action 9.** *Chair to prepare a ppt describing the summary for policy makers, even if still in draft form, to show to the Forum (Deadline: 4th GRA Forum, November 2008).*
- Action 10.** *Mary Altalo to prepare a distribution list of policy makers who will receive the document. All members are asked to assist by sending her relevant policy maker names/addresses for their regions. (Deadline: 1 October 2008).*

2.4 STATUS OF ACTIONS TOWARDS THE ESTABLISHMENT OF AN ARCTIC GOOS REGIONAL ALLIANCE

The GPO Director introduced this item. He referred to the more detailed presentation he made to GSSC-XI the previous day that most Board Members had already seen. EuroGOOS has formed an Arctic ROOS, with membership of institutes from about half a dozen European countries. SAON is a broader initiative under the auspices of the Arctic Council covering all aspects of Arctic monitoring, in which GOOS is a participating member and well situated to provide the ocean component. Shao Hua Lin reported that China has a research station in Ny Alesund and would be interested in participating in GOOS Regional Arctic observational efforts. Mary Altalo suggested that perhaps an Arctic GRA is not an efficient way to move forward but rather individual GRAs and Member States from EuroGOOS, USGOOS, NearGOOS and Canada could all have their own Arctic ROOS. Maybe then at a later stage these ROOS could consolidate. John Field noted the anomaly that the USA, as a single nation, was recognized as a GRA and thus Canada and Australia should be too. The GPO Director pointed out that another option would be to ask that USGOOS to include Canada and Mexico and thus form a broader true GRA for North America. Nick D'Adamo pointed out that Australia was moving towards possibly forming an integrated AusGOOS. Invitations to the Forum were discussed. All existing endorsed GRA's will be invited. Additionally Member

States should be invited who are operating wide observing systems should be invited – for example Canada (which is not a member of a GRA) and Australia. The Forum should be open to any interested IOC Member States.

Action 11. *Invite West Australia GOOS, with a request to represent Australia's Observing System as a whole, Arctic ROOS, Canada and SOOS to the 4th GRA Forum (Forum Steering Committee, May).*

3 FOLLOW-UP TO GSSC-XI

John Field introduced the action list arising from GSSC-IX highlighting those items that were requests to the Board. These actions were discussed below:

1. Provide coordinated GOOS and GCOS input to GEO 2009-2011 workplan

Ralph Rayner suggested we have a GOOS task within each societal benefit, but that each of these tasks would get the same reporting. François Gérard noted that we should ensure a unified response from the ocean community through ocean united. François Gérard suggested the first step was to build on the last task list. The GPO Director recalled that task CL-06-06 entitled “*Global Ocean Observing System*” was lead by GOOS, with François Gérard as point of contact, in the 2007-2009 workplan and had included reference to building and sustaining the global/climate and coastal modules of GOOS. Ralph Rayner pointed out that GOOS provides core services for all GEO societal benefit areas so all GEO ocean observing needs should be fulfilled by the GOOS implementation plan.

Action 12. *Ralph Rayner to submit a task in each GEO societal benefit area referencing the GOOS implementation plans (both climate and coastal) and listing I-GOOS Chair, François Gérard, as the point of contact.*

2. Harmonize GOOS and GEO data policy

François Gérard pointed out that this is an ongoing activity.

Action 13. *Jay Pearlman to bring the IOC data policy (which is the GOOS policy) to GEO at the next meeting of its Architecture and Data Committee and seek to harmonize these policies. (Deadline: next meeting of GEO ADC).*

3. Respond to request from POGO to OOPC and GSSC Chairs for a cost estimate of GOOS activities

John Field suggested that we send POGO the names of the contact points for each of the components of the open ocean module of GOOS.

Action 14. *Ed Harrison (OOPC Chair) and Candyce Clark (JCOMM Observations Coordination Area Chair) to route this POGO request to individuals in charge of the various components of the open ocean module of GOOS.*

Action 15. *GPO to contact POGO Secretariat informing them of action 14, reminding them of the importance of including remote sensing in their efforts and suggesting CEOS as an appropriate body to contact in that regard.*

4. Request IGOOS Member States to document their national regulatory or statutory information requirements.

John Field clarified that this was envisioned as a mechanism for getting resources of Member States into their own ocean observations in order to fulfill their own legislative requirements.

Action 16. *GPO to add this topic to the letter being sent to the GRA Forum Organizers (see below).*

5. *GPO to work with representatives from GRASP, Oceatlan and IOCARIBE to establish a Steering Committee (SC) for the 4th GRA Forum.*

Concern was expressed that if organization of the Forum was left to the three GRAs as outlined in letter IOC/OOS no.228 (sent on 1 August 2007) that preparations may not proceed quickly enough. We need to respond to the response from GRASP (received on 10 April 2008) accepting the terms. The letter should entrust the Chair, Mario Proaño Silva, with chairing a Scientific Organizing Committee together with Ned Cyr and Geoff Brundrit, Chairs of OOPC, PICO, GSSC and I-GOOS as initial members and should be copied to all GRA Chairs seeking other potential members with a deadline of mid May. The letter should further offer GSSC support for science content at the Forum and inform the hosts of the need to form a Local Organizing Committee. The ToR for Organizing Committee from the previous Forum could be included as an example. The Secretariat should reiterate its offer from letter no. 228 of providing support from the Paris Secretariat as requested by either the Scientific or Local Organizing Committees. The organizer should explore with the Committee the possibility of changing the dates to accommodate most possible attendees.

Action 17. *GPO to send a letter as described above to GRASP (Deadline: 1 May 2008).*

4 DECIDE INTERSESSIONAL ACTIONS FOR THE BOARD

The Chair reviewed his views on the priority intersessional actions. He recalled eight specific priority needs listed below. Reference to the specific Board-IV actions arising in this report is noted.

1. To push the GRC to arrange their 4th Forum (Actions 11, 16 and 17);
2. To continue capacity building efforts. (No specific action was agreed);
3. To build on SAON and SOOS to sustain observing systems in the Arctic and Southern Ocean (No specific action was agreed);
4. To publish a Summary for policy makers. (Actions 8, 9 and 10);
5. To respond to actions arising from GSSC-XI (Actions 12-17);
6. To organize GOOS contribution to GEO Workplans (Action 12);
7. To push GLOSS to consolidate sea-level core network for hazards (No specific action was agreed);
8. To push PICO to develop coastal ecosystem and hazard activities (No specific action was agreed).

4.1 PROGRAMME AND BUDGET

The GPO Director introduced the programme and budget included in as Annex III in this report. Nick D'Adamo noted the need to account somewhere for funds obtained by regional offices, in particular this should appear in the IOC Annual Report. Kouadio Affian noted with regret the lack of funds available for regional activities. The GPO Director agreed that the lack of any funds whatsoever for regional activities was highly regrettable and explained that it was due to the fact that I-GOOS Member States had decided on a budget for 2008-2009 biennium which, although it earmarks substantially more than half the budget to regional support, decides that this support will be manifested through three regional staff salaries rather than activities. The relevant decision (No.16) from I-GOOS-VIII report reads: "*I-GOOS decided that the regular budget staff line, which represents three contracted staff members either based in the regions or with regional support remits, constitutes a major support for GOOS regional activities and shall remain unchanged.*" The Board adopted the programme and budget document including those adjustments made subsequent to I-GOOS-VIII. Nick D'Adamo highlighted the need to reconcile the expectations of the Member States with the budget and staff in the Secretariat available to do it. Mary Altalo suggested that the Assembly should include allocation of funding and human resources associated with its resolutions. Several members asked how the GPO Director could be working only 20% for GOOS. The GPO Director clarified that his position was Head of sections for Ocean Observations and Services, comprising GOOS, JCOMM and IODE, each of which had its own intergovernmental bodies and suite of subsidiary panels and working groups requiring secretariat support. Furthermore, as a member of the senior management team of IOC, he had substantial commitments and responsibilities for IOC as a whole. In light of the concerns Board

Members expressed regarding secretariat support, the GPO Director decided to increase the percent of time allocated to GOOS matters by two of the staff in his section, one professional and one administrative, from 30 to 70%. He noted that this increase was not a provision of new staff, only a re-orientation of existing staff, so would necessarily come at the expense of other activities within his section, such as JCOMM.

Action 18. *Tom Gross and Simonetta Haond to work 70% on GOOS instead of 30% (Immediate).*

4.2 GEO/GEOSS

This topic was discussed under agenda item 3.

5 ANY OTHER BUSINESS

5.1 DATE AND PLACE OF NEXT SESSION

The Board agreed that those who were attending anyway should meet informally alongside the 4th GRA Forum in November 2008 in Guayaquil, and the GSSC-XII in early 2009 in Perth, but that no formal meetings would be held at these venues.

The Board agreed it would meet for its 5th session in Paris beginning Tuesday afternoon 9 June 2009 with preparations for I-GOOS-IX, interrupted by I-GOOS itself, 10-12 June, and complete its business on the morning of Saturday 13 June 2009 with follow-up from the I-GOOS-IX session.

6 CLOSURE OF THE SESSION

The Chair thanked the Secretariat for the facilities and preparation of the documents. All present thanked the Chair for his stewardship of the meeting. The Chair adjourned the meeting at 14h on 11 April 2008.

7 LIST OF ACTIONS

ACTION 1. DETLEF STAMMER TO PROVIDE A TRANSLATED VERSION OF HIS REPORT IN ENGLISH, FRENCH AND SPANISH IF AVAILABLE. (DEADLINE, 30JUNE 2008).....	2
ACTION 2. GRA'S TO REPORT HOW THEY DEAL WITH THIS ISSUE IN THEIR REGION AT THE 4 TH FORUM. (DEADLINE, 4 TH GRA FORUM).....	2
ACTION 3. OOPC TO PRODUCE THE GOOS BENCHMARK REPORT CONCENTRATING ONLY ON THE GLOBAL/CLIMATE MODULE. COASTAL CLIMATE INPUT WOULD COME ONLY FROM GLOSS. REPORT TO SYNTHESIZE CONTENT OF THE 18 NATIONAL REPORTS TO I-GOOS-VIII AND BE PUBLISHED NO LATER THAN 3 MONTHS PRIOR TO I-GOOS-IX. (DEADLINE, JANUARY 2009).....	3
ACTION 4. GRA'S TO REPORT ON REGIONAL MONITORING EFFORTS FOR A SET OF CORE COASTAL VARIABLES FROM THE COOP IMPLEMENTATION STRATEGY. (DEADLINE, 4 TH GRA FORUM)	3
ACTION 5. GOSIC TO ATTEND THE 4 TH GRA FORUM AND BE ASKED TO ASSIST GRA'S IN SHOWCASING THEIR ACTIVITIES, INFORMATION AND OBSERVATIONAL DATA ON THE GOSIC WEBSITE. (DEADLINE, 4 TH GRA FORUM).....	3
ACTION 6. OOPC TO PRODUCE A SHORTER, MORE FOCUSED, TEMPLATE TO BE PREPARED FOR I-GOOS 9 REPORTING BASED ONLY ON OPEN OCEAN BENCHMARKS. GPO TO SEND THIS NEW TEMPLATE TO GOOS AND IOC NATIONAL FOCAL POINTS WELL IN ADVANCE OF THE 2009 I-GOOS MEETING. (DEADLINE, 15 JANUARY 2009).....	3
ACTION 7. RALPH RAYNER TO INVESTIGATE USING THE GEO MECHANISM TO RAISE FUNDS FOR THE GOOS. (DEADLINE, I-GOOS-IX, JUNE 2009)	4
ACTION 8. GPO TO PREPARE A FIRST DRAFT AND CIRCULATE TO THE BOARD FOR COMMENT (DEADLINE, 1 OCTOBER 2008).	4
ACTION 9. CHAIR TO PREPARE A PPT DESCRIBING THE SUMMARY FOR POLICY MAKERS, EVEN IF STILL IN DRAFT FORM, TO SHOW TO THE FORUM (DEADLINE, 4 TH GRA FORUM, NOVEMBER 2008).....	4

- ACTION 10.** MARY ALTALO TO PREPARE A DISTRIBUTION LIST OF POLICY MAKERS WHO WILL RECEIVE THE DOCUMENT. ALL MEMBERS ARE ASKED TO ASSIST BY SENDING HER RELEVANT POLICY MAKER NAMES/ADDRESSES FOR THEIR REGIONS. (DEADLINE, 1 OCTOBER 2008)..... 4
- ACTION 11.** INVITE WEST AUSTRALIA GOOS, WITH A REQUEST TO REPRESENT AUSTRALIA’S OBSERVING SYSTEM AS A WHOLE, ARCTIC ROOS, CANADA AND SOOS TO THE 4TH GRA FORUM (FORUM STEERING COMMITTEE, MAY 2008) 5
- ACTION 12.** RALPH RAYNER TO SUBMIT A TASK IN EACH GEO SOCIETAL BENEFIT AREA REFERENCING THE GOOS IMPLEMENTATION PLANS (BOTH CLIMATE AND COASTAL) AND LISTING I-GOOS CHAIR, FRANÇOIS GÉRARD, AS THE POINT OF CONTACT. 5
- ACTION 13.** JAY PEARLMAN TO BRING THE IOC DATA POLICY (WHICH IS THE GOOS POLICY) TO GEO AT THE NEXT MEETING OF ITS ARCHITECTURE AND DATA COMMITTEE AND SEEK TO HARMONIZE THESE POLICIES. (DEADLINE, NEXT MEETING OF GEO ADC)..... 5
- ACTION 14.** ED HARRISON (OOPC CHAIR) AND CANDYCE CLARK (JCOMM OBSERVATIONS COORDINATION AREA CHAIR) TO ROUTE THIS POGO REQUEST TO INDIVIDUALS IN CHARGE OF THE VARIOUS COMPONENTS OF THE OPEN OCEAN MODULE OF GOOS. 5
- ACTION 15.** GPO TO CONTACT POGO SECRETARIAT INFORMING THEM OF ACTION 14, REMINDING THEM OF THE IMPORTANCE OF INCLUDING REMOTE SENSING IN THEIR EFFORTS AND SUGGESTING CEOS AS AN APPROPRIATE BODY TO CONTACT IN THAT REGARD. 5
- ACTION 16.** GPO TO ADD THIS TOPIC TO THE LETTER BEING SENT TO FORUM ORGANIZERS (SEE BELOW) 6
- ACTION 17.** GPO TO SEND A LETTER AS DESCRIBED ABOVE TO GRASP (DEADLINE, 1 MAY 2008) 6
- ACTION 18.** TOM GROSS AND SIMONETTA HAOND TO WORK 70% ON GOOS INSTEAD OF 30% (IMMEDIATE)..... 7

ANNEX I

AGENDA

1 OPENING AND WELCOME

2 INTRODUCTION

- 2.1 *STATUS OF THE STUDY OF TECHNICAL ASPECTS, INCLUDING OPERATIONAL PROCEDURES, RELATED TO A STANDARD SET OF ROUTINE UNDERWAY MEASUREMENTS TAKEN BY RESEARCH VESSELS.*
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- 2.3 *STATUS OF THE 'SUMMARY FOR POLICY MAKERS'*
- 2.4 *STATUS OF ACTIONS TOWARDS THE ESTABLISHMENT OF AN ARCTIC GOOS REGIONAL ALLIANCE*

3 FOLLOW-UP TO GSSC-XI

4 DECIDE INTERSESSIONAL ACTIONS FOR THE BOARD

- 4.1 *PROGRAMME AND BUDGET*
- 4.2 *GEO/GEOSS*

5 ANY OTHER BUSINESS

- 5.1 *DATE AND PLACE OF NEXT SESSION*

6 CLOSURE OF THE SESSION

7 LIST OF ACTIONS

ANNEX II

LIST OF PARTICIPANTS

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ANNEX III

PROGRAMME AND BUDGET

Action: *The I-GOOS Board is asked to consider this budget and programme document, provide the Secretariat with guidance on improving and refining it.*

The budget for GOOS activities is based on two types of funds: (i) Regular Programme funds from UNESCO; and (ii) voluntary Extrabudgetary funds contributed from member states earmarked for specific activities.

Regular Programme Budget

The adopted GOOS budget for the 2006-2007 is recalled from I-GOOS-VII, and compared against the actual spending. The budget envelope for the 2008-2009 biennium agreed at I-GOOS-VIII is shown, alongside a revised working budget taking into account an overall budget envelope reduction and increased staff costs.

	I-GOOS-VII			I-GOOS-VIII	
	2006/2007	2006/2007	2006/2007	2008/2009	2008/2009
	Adopted	Adjusted ¹	Actual	Adopted	Adjusted ¹
(\$US thousands)	Budget	Budget	Spending	Budget	Budget
Secretariat	\$60	\$60	\$35	\$30	\$20
Outreach and Communications	\$100	\$76	\$86	\$40	\$40
Liaising	\$130	\$130	\$102	\$77	\$56
Activities	\$80	\$80	\$100	\$60	\$64
Guidance and Governance	\$180	\$125	\$128	\$130	\$130
Staff Contracts	\$0	\$278	\$298	\$372	\$410
Regions	\$0	\$0	\$0	\$20	\$0
IOC Sponsorships	\$0	\$0	\$0	\$20	\$0
TOTAL GOOS	\$550	\$749	\$749	\$749	\$720
TOTAL JCOMM	\$358	\$159	\$159	\$159	\$160²
TOTAL IODE	NA	\$287	\$287	\$287	\$185
TOTAL OOS	NA	\$1,195	\$759	\$1,195	\$1,065

¹ As modified by various decisions of UNESCO GC, IOC Assembly and IOC EC.

² Includes 50k earmarked for GLOSS.

2008-2009 Programme

Allocations as outlined in the budget shown above will allow:

10k/year for the secretariat (supplies, computers, mailing costs, etc)

20k/year for communications (website, flyers, posters, displays, etc)

28k/year for GOOS liaison (meeting participation costs)

64k/biennium for activities

This amount will partially fund the 4th GRA Forum in November 2008.

No other activities can be funded from the regular budget.

130k/biennium for governance and guidance

20k GSSC 2008

20k PICO 2008

20k GSSC 2009

20k PICO 2009

50k I-GOOS 2009

No regular budget support is available for meetings of the I-GOOS Board, OOPC, the GOOS Regional Council, or any GRAs.

205k/year for existing staff consultants

85k Perth office Head

35k Rio office Head

85k GOOS Africa Coordinator in Paris

Note that the cost of the GOOS Africa Coordinator is the current cost but could rise to ~140k/year if the post were to be fully regularized at the P4 level.

No funds are available for regional activities, pilot projects or sponsorship of GCOS, WCRP, BILKO, SAFOS, or any other programmes.

Extrabudgetary funds expected in the 2008-2009 biennium are approximately \$900k/year, earmarked by donors and provided in the context of GOOS, JCOMM and IODE. Member states that contributed to the IOC trust fund and/or the UNESCO funds-in-trust in support of these activities include the USA, Belgium (Flanders), UK and France. The only GOOS “sponsor” other than the IOC that is expected to provide extrabudgetary support during this biennium is WMO, at the level of approximately 15k/year. Extrabudgetary funds are expected to be earmarked for:

1. ~500k Various GOOS, JCOMM, and IODE related activities identified by donors;
2. ~400k Support for staff in Paris (P4), Nairobi (P4) and Toulouse (P3 and P2).

Staff

The GOOS secretariat human resources as of 1 April 2008 are listed below as professional (P) and general staff (G) posts in units of person-years. Due to consolidation of JCOMM, IODE and GOOS into a single IOC Ocean Observations and Services (OOS) section and numerous IOC level commitments and responsibilities assigned to the OOS section, all staff, including the “GPO Director”, are able to spend only a small portion of their time on GOOS related tasks. The OOS section has suffered a major staffing loss with the return of Candyce Clark who had been seconded by NOAA to serve as JCOMM coordinator for three years. A temporary additional difficulty is associated with a six-month study leave being taken by Boram Lee. The section is now severely understaffed and unable to meet the requests made by member states and advisory bodies.

UNESCO Regular Program Funded (RPF) Staff at GPO (Paris): currently 2.8 PY

0.2P Keith Alverson, Director (20% time)

0.2P Thorkild Aarup, Professional (20% time for coastal GOOS)

0.3P Tom Gross, Professional (30% time for GOOS communications)

0.3G Simonetta Haond, secretary (30% time)

0.7G Ho Hien Lam, Secretary (70% time)

0.5G Laurence Ferry, Secretary (50% time for coastal GOOS and GOOS Africa)

0.6G Adrien Vannier, Secretary (60% time for open ocean GOOS)

Contracted Staff at GPO (Paris) funded by UNESCO RPF: currently 0.8 PY

0.8P Justin Ahanhanzo, Professional (80% time for GOOS-Africa)

Staff at GPO (Paris) funded from extra budgetary sources: currently 0.4 PY

0.4P Albert Fischer, Professional (USA, 40% for Global GOOS)

Contracted Staff outside Paris funded by UNESCO RPF: currently 1.2 PY

0.7P Nick D’Adamo, Professional (70%, Perth Office)

0.5P Janice Trotte, Professional (50%, Rio Office)

A rough time history of GOOS staffing levels appears below.

2008 = 10 staff available; 5.2 person years on GOOS (4.0 at HQ)

2007 = 11 staff available; 5.2 person years on GOOS (4.0 at HQ)

2005 = 9 staff available; 5.1 person years on GOOS (3.6 at HQ)

2003 = 18 staff available; 10.2 person years on GOOS (4.8 at HQ)

2001 = 17 staff available; 10.1 person years on GOOS

1999 = 11 staff available; 7.2 person years on GOOS