

Council of Managers of National Antarctic Programs

COMNAP XIV Meeting

Shanghai China
15-19 July 2002

Minutes of Meeting

1. Opening

1. The COMNAP/SCALOP meetings were held in the Shanghai Exhibition Centre (SEC), which was located in the downtown area of Shanghai City. A formal opening ceremony took place between 9.00 and 10.00 am on Monday 15th July in the Friendship Banquet Hall of the SEC for the combined COMNAP/ SCALOP and SCAR delegates. The ceremony comprised opening addresses by:

- Mr Chen Lianzeng, Deputy Administrator of the State Oceanographic Administration (SOA);
- Mr Wang Shuguang, Administrator of the SOA;
- Mr Han Zheng, Vice-Mayor of the Shanghai Municipality;
- Professor Robert Rutford, President of SCAR: and
- Dr Karl Erb, Chairman of COMNAP.

Mr Chen Lianzeng read to the assembly a Congratulatory Letter from Mr Wen Jiabo, Vice-Premier of the State Council of the People's Republic of China who wished the meetings every success.

2. Apologies

2. Karl Erb, COMNAP Chairman, opened the COMNAP plenary session at 11.00 am on Monday 15th July 2002 and forecast a busy and interesting week. He welcomed members to the Shanghai meeting and advised that apologies had been received from Italian COMNAP, Mario Zucchelli. Karl invited any new members to introduce themselves to the members. The following new members were introduced:

- Dr Yea Dong Kim, Korea (who had formally represented Korea on COMNAP in earlier years);
- Mr Lou Sanson, New Zealand (who is replacing Gillian Wratt as CEO of Antarctica NZ);
- Mr Daniel Ressoa, Uruguay (Director of Logistics of the Uruguayan Antarctic Institute);
- Mr Paulo Cesar Dias de Lima, Brazil;
- Mr Qi Weijia, Assistant Director Operations, Chinese Arctic & Antarctic
- CPFGE-EM Mario Proaño Silva, Executive Secretary, Ecuadorian Antarctic Program.

A list of participants is given in the Annex to these minutes.

3. COMNAP Chairman's Report

3. COMNAP Chairman, Karl Erb, advised that India had recently ratified Annex V of the Madrid Protocol on Area Protection and Management and hence this is now in force. He referred to the Joint SCAR/COMNAP Workshop on Science scheduled for the morning of Saturday 20th July with presentations on Sub-Glacial Lakes Exploration, Antarctic Neotectonics, the Cybercartographic Atlas and the Southern Ocean.

4. Karl noted that the Warsaw ATCM is taking place in less than two months time and that COMNAP had committed (at the St Petersburg ATCM) to provide a number of reports for this meeting. The deadline for submitting the reports comes soon after the end of the COMNAP meeting. Several working groups have prepared some draft reports during and since the COMNAP Amsterdam meeting. The draft papers contain information useful for future internal COMNAP/SCALOP discussions and will aid the preparation of draft ATCM papers.

5. Karl asked that the working groups separate the information into “internal’ and “ATCM -related” categories and produce draft ATCM papers by the end of this meeting that are brief and focused on answering precisely the ATCM questions. Karl advised that there were a number of strictly -COMNAP matters discussed at the Amsterdam meeting and the EXCOM meeting in Hawaii, which he summarised as follows.

Antarctic Master Directory

6. COMNAP and SCAR had previously agreed that a Standing Committee on Antarctic Data Management (STADM) be established to provide advice on how our investment in the project was proceeding. We are now nearing the end of the two-year period during which we agreed to provide seed funding for establishing the system. Members of STADM are Anders Karlqvist and Erick Chiang (for COMNAP) and Dean Petersen and Ken Jezek (for SCAR). Ken Jezek is the chairman. STADM will meet on Thursday this week and present a report for consideration by the Joint COMNAP and SCAR Executive Committee.

Ship Position Reporting System (SPRS)

7. At the Hawaii EXCOM meeting, Jack Sayers (Executive Secretary) reported that he had received a request from the owner of a private yacht to use the SPRS during a planned voyage to Antarctica. Jack deferred a decision on access because the system was designed for COMNAP use (with access by IATTO if they wished to participate). Kim Pitt (SCALOP Chairman) was asked by EXCOM to develop an information paper on the SPRS in relation to the private yacht request. This paper is now available for consideration by SHIPOPS who will report on the SPRS at the Friday plenary.

Medical Standards

8. At Amsterdam, an ad hoc group met to discuss this matter and concluded that our immediate interest concerns operational questions. Gerard Jugie volunteered to conduct a survey of the screening standards used by members and this had now been completed. The SCAR/ COMNAP Executives had agreed on this approach. A meeting of the ad hoc group would take place later this week when the results of the survey would be presented.

Sub-glacial Lakes Exploration

9. EXCOM agreed to invite the Sub-glacial Lakes Group of Specialists (SALEGOS) to brief COMNAP on the outcome of their work over the past year. Bob Rutherford (SCAR President) subsequently suggested a joint SCAR/COMNAP workshop that will take place on Saturday 20th July. The Chairman of SALEGOS, John Priscu, will be making a presentation on current developments and will also be pleased to answer questions.

MNAP Definition

10. As a step forward to achieving clarity concerning member participation, EXCOM noted that the founding charter for COMNAP defined an MNAP as follows: “The term ‘Manager of National Antarctic Program’ means the national official responsible for planning and conducting the nations presence in the Antarctic. This person normally represents the organisation funded by the government to implement the nation’s program and presence. More than one MNAP per country can be accepted if the internal national structure so demands.” Jack is to include this definition in the COMNAP “Rules of Procedure” on the web site.

Action 1: ExecSec to ensure that original charter definition of an MNAP is included in the “Rules of Procedure” on the web site.

Workshop Proposals

11. There was discussion at the Amsterdam meeting about the somewhat haphazard way in which workshop proposals were brought forward to, and considered at, COMNAP plenary meetings. While EXCOM is authorized to approve expenditure of up to A\$10,000 inter-sessionally for workshops or other proposals, the committee was of the view that these decisions should preferably be taken after discussion by the full membership unless there is an overriding need for urgent action. EXCOM considered this matter and had concluded “fully developed proposals for workshops must be submitted to the Secretariat for distribution to all members at least two months prior to the annual COMNAP meeting”. Because of the need to provide a host

country with adequate notice of a workshop, it would be expected that the event, if approved, would be scheduled to take place in the following year. There were no objections raised by the plenary to the proposed procedure and it was therefore adopted.

Action 2: *Fully developed proposals for workshops must be submitted to the Secretariat for distribution to all members at least two months before the annual COMNAP meeting. This will allow thorough consideration of proposals at the COMNAP plenary sessions.*

SCALOP

12. At the inter-sessional EXCOM meeting there was a discussion on how SCALOP had developed over the years including the move during the mid 90s to integrate SCALOP more fully into COMNAP plenary discussions. It was agreed that this move had proved beneficial to COMNAP and SCALOP. EXCOM concluded that it would be timely for SCALOP to review future directions of the committee to determine if further changes may be necessary. Kim Pitt agreed to initiate this discussion as a first step forward towards building momentum, in the first SCALOP plenary which has been scheduled earlier in this week.

Action 3: *SCALOP to review its operation and determine whether any changes in procedures are warranted.*

COMNAP Workload Issues

13. It was noted by EXCOM that an increasing amount of time is being devoted by COMNAP to environmental issues and this raises the question as to whether we are organised in the most effective way to address them. Member's views would be sought on this matter. Similarly the ATCM place considerable demands on COMNAP for technical advice in order to assist with their discussions. Jack has covered this matter in his annual report to this meeting which will be discussed under the next agenda item.

COMNAP Finances

14. COMNAP's finances were reviewed by EXCOM in November 2001 and all expenditures were deemed appropriate. It appeared, at the time of the meeting, that COMNAP would be operating well within budget. While exchange rates affecting the Australian Dollar caused some items (overseas expenditures) to be over budget, this was compensated by increased AFIM sales. The question of reimbursement for EXCOM members' local expenses when attending EXCOM meetings was discussed and it was agreed that, where requested, reimbursement levels should be based on the allowed government per diem rate of the members.

COMNAP Secretariat

15. Karl advised that he was pleased to report that COMNAP had received three proposals to host the Secretariat. Several EXCOM and COMNAP members reviewed the proposals and developed a consensus recommendation for members' consideration. The Tasmanian State Government, with Antoine Guichard as Executive Secretary, submitted the proposal that is recommended for acceptance. Karl noted that some members might recall Antoine from his presentations in SCALOP Symposiums on energy technologies. The proposed recommendation would be discussed in more detail under a separate agenda item on Friday.

16. John Dudeney (UK COMNAP) asked if copies of the proposals would be made available to members so that the plenary would be able to make informed consideration of the recommendation. Karl advised that he thought it inappropriate to circulate copies of the proposals but he would, on Friday, be providing members with a comprehensive description of the selection process and the strengths of the recommended proposal.

4. Executive Secretary's Report

COMNAP Newsletter

17. Jack Sayers (Executive Secretary) referred to his annual report (Paper No 2002/21) and advised that he would briefly cover the key points. He noted that it continues to be difficult to sustain the COMNAP Newsletter because of a lack of input from members. Additional non-Antarctic content is being added to the newsletters in order to sustain the publication. Jack said he believed that the newsletters did serve a useful purpose but it was

for the members to decide whether or not they should continue. A recent initiative by the coordinator of INFONET, Guy Gutheridge (USA), to have information officers exchange press releases may provide some additional input for the newsletters.

Response to COMNAP Notices

18. Jack noted that a number of members have contributed greatly to the work of COMNAP over the years by chairing working groups and undertaking tasks to complete reports for the ATCM and CEP. The result of these efforts is that COMNAP now enjoys considerable respect within the ATCM/CEP and among other bodies in the Antarctic Treaty System. However, Jack stressed, it is always difficult (and often impossible) to get responses from all member countries in answer to COMNAP Notices when seeking information required to complete ATCM/CEP papers. All members should recognise that, while they may not participate actively in any of the working group tasks that, as a minimum, they have an obligation to respond and contribute information that is required to compile responses to the ATCM and CEP.

19. COMNAP gained observer status at the ATCM since 1991 and this has enabled the organisation to provide practical and informed advice to assist the Parties in the development of Resolutions, Decisions and other instruments. It is important to COMNAP that it continues participating in the ATCM/CEP and consequently all members are urged to respond to notices and contribute information so that papers can be prepared in response to ATCM/CEP requests.

Web Site Developments

20. Jack referred to recent improvements to the member's page of the site which has been streamlined to simplify access. The site now holds a considerable amount of information with various password-protected functions. Guidelines are being developed to explain the various edit and access procedures and are expected to be completed within the next couple of months. The password-protected access is to be further simplified within the next week or two by eliminating the need to type "comnap" at the end of the user names. In future the user name will be simply the country identifier followed by the particular site access function (eg. "ar/edit" instead of "ar/edit/comnap"). The old format will also continue to function. A COMNAP message will be issued advising members of this change.

Site Utilisation

21. Annex A to the Executive Secretary's report broadly summarises the extent which countries have used or updated the various site functions. A majority of members (15) continue to post "Advance Exchange of Operational Information" in accordance with the agreed procedure. Only six countries participated in the SPRS and there has been no use made of the AINMR this year. Some countries fail to keep their program information up-to-date and, more importantly, do not ensure that their communication information under ATOM and MiniATOM is correct. On the other hand a number of countries do undertake the various tasks thoroughly and on a regular basis.

Finances

22. Jack noted that COMNAP's finances continue to be sound with overall annual expenditure for 2001 well within budget. The funds carried forward to 2002 were over 10% greater than budget. The budget for 2003 has been constructed in two sections covering the nine months when Jack will continue in his position and a forecast of expenditure for the last three months when the new Executive Secretary will assume the role.

Recommendations

23. Jack referred to the recommendations in his report which are:

- Members are urged to ensure that they respond to notices so that COMNAP can provide the most complete advice to the ATCM/CEP;
- Members are urged to maintain the currency of their program, station, shipping, aircraft and other information on the COMNAP web site;
- As a matter of urgency, national programs should review the accuracy of their communication information in ATOM and MiniATOM and confirm its correctness to the COMNAP Secretariat;

- Members should consider whether the various COMNAP web-based systems should continue and, if so, what can be done to encourage greater participation by national programs;
- National programs should ensure that all computers in their organisation are protected with up-to-date anti-virus programs.

Discussion

24. Karl invited comments from members on the issues discussed. John Dudeney (UK) noted that COMNAP presence at the ATCM was a “hard won” status that provides opportunities to influence the legislators on issues such as the Liability Annex. Continuing representation is in the self-interest of COMNAP member organisations, John stressed. Jorge Berguno (Chile) supported John’s comments and emphasised that withdrawing was not an option and if this were to happen the ATCM would lack the operational input to enable informed discussion. The remarks of John and Jorge were strongly supported by Erick Chiang (USA), Tony Press (Australia), Olav Orheim (Norway) and Gillian Wratt (NZ). John Dudeney (UK) concluded the discussion by stressing the need for all members to respond to notices even if the answer was a “nil return”.

Action 4: *All members are to ensure that requested actions are undertaken and/or responses are provided to COMNAP Notices.*

5. Reports & Relevant Matters

5.1 RAPAL

25. Jorge Berguno (Chile) summarised the outcomes of the meeting that took place in Punta Arenas in September 2001 and are provided in the RAPAL Report (Paper No 2002/XX). The main items discussed at the meeting and covered in the report are:

- Reports by the various members;
- The presence of observers at RAPAL meetings;
- The need to avoid duplication of COMNAP & SCAR activities;
- Agreement on Buenos Aires as the location of the ATCM Secretariat;
- Activities on the Protection of historic, cultural and aesthetic values in Antarctica; and
- Accident by two Australian adventure tourists who were rescued by Chile.

26. Tony Press (Australia) referred to the accident and noted that the adventure tourists were advised not to undertake the proposed route and to ensure that they had adequate insurance cover in the event of an accident and the need to be rescued. They ignored this advice. Tony noted that there is no Australian legislation to restrict such activities on the grounds of safety, only on environmental impact. Karl (Chairman) commented that adventure tourism affected many programs and it would be appropriate for TANGO to consider this problem at its meeting.

5.2 FARO

27. Bonni Hrcyk (Canada) reported that the 2002 annual meeting of the Forum of Arctic Research Operators (FARO) was held on April 26 during Arctic Science Summit Week in Groningen, The Netherlands. Sixteen countries were represented at the meeting. On COMNAP’s behalf, Gérard Jugie provided a summary of issues being discussed by COMNAP, including initiatives related to environmental assessment and impacts monitoring guidelines, Antarctic shipping guidelines, and guidelines related to waste management.

28. FARO is examining COMNAP practices to determine whether they might be applicable within the Arctic operators’ community; specifically, FARO is looking at expanding information sharing regarding national programs beyond the level of information currently provided on FARO’s web site, and more detailed information exchanges on ship schedules, availability and capability with a view to identifying increased opportunities for cooperation and collaboration in ship-based research programs in the Arctic. As well, FARO

will begin compiling information on environmental impacts of Arctic stations, beginning with Ny - Alesund which involves a number of nations. Results of this case study will be presented at the 2003 FARO meeting. FARO is continuing work on developing a Circum-Arctic Environmental Observatories Network, with the current focus on linking existing terrestrial networks and developing common approaches for data gathering and sharing, and on helping to identify gaps in environmental observatories in the Arctic.

29. The next FARO meeting in 2003 will include discussions on a proposal being developed by the European Polar Board on a large ship-based operation in the Arctic Ocean to mark IGY 2007. FARO now has its own domain address for its web site. COMNAP members are invited to visit the site at <http://www.faro-arctic.org>. In closing, Anders Karlqvist (Sweden) noted that the 2003 FARO meeting will be on April 3 during Arctic Science Summit Week which will be held from 30 March through to April 4, 2003 in Kiruna, Sweden. The theme of Science Day will be "space and polar science". Anders extended an invitation to all COMNAP national operators to participate in the meeting.

6. ATCM XXV Related Tasks

6.1 Best Practice to Avoid Wastewater Discharge on Ice-free Areas

30. Karl referred to a paper that had been prepared following a survey conducted by SCALOP on current wastewater disposal practices (Paper No 2002/11) and asked Kim Pitt (SCALOP Chair) to comment. Kim advised that 18 countries responded and information was collected that is of interest to all members. It is now planned to revise the paper that was prepared in Amsterdam (taking into account the information from the survey) and prepare a draft paper for the ATCM.

6.2 Worse Case & Less-than-Worse Case Scenarios

31. Gerard Jugie (France) advised that the draft produced in Amsterdam was a good framework for producing a final draft paper for the ATCM. Further information is needed from various operators to help complete the paper. Karl referred to the difficulty of providing advice on accident probability, which is needed to undertake actuarial calculations for insurance purposes. This is a specialised field outside COMNAP's area of expertise.

6.3 Revised Working Paper on Environmental Incidents

32. MOLIBA is also required to prepare a brief ATCM paper updating the information last provided in paper SATCM XII/WP5. The data for the update have been collected during recent months via the Environmental Incident Recording System (EIRS) that Jack created for this purpose on the web site.

6.4 Review of IEEs

33. Karl referred to the report prepared by AEON and noted that it had identified weaknesses in IEEs with regard to the consideration of impacts and this is a matter that needs to be carefully considered by members. The Chairman of the ECG, Heinz Miller (Germany) noted that the IEE process was governed by national legislation implemented to comply with the Madrid Protocol. It was agreed that a draft ATCM paper would be prepared based on the "Executive Summary" of the AEON report.

34. Heinz advised that the development of the "Practical Guidelines for Environmental Monitoring" had involved considerable work by members of the steering group to bring it to an acceptable standard. He also noted that AEON continued to do very good work for COMNAP and there was some merit in supporting their proposal for a workshop on environmental training.

6.5 Tourism Issues Relevant to National Operators

35. The TANGO Chairman, Anders Karlqvist (Sweden), advised that he had put together Paper No 2002/25 summarizing the results of a survey of members on the interaction between national programs and tourist operations. It was planned to complete the draft of this paper when TANGO meets at this meeting.

6.6 Response to FCO on Antarctic Shipping Guidelines

36. Karl referred to the paper prepared by a sub group of SHIPOPS, which provided an excellent basis for developing a response to questions posed by the Foreign & Commonwealth Office (FCO) of the United Kingdom. SHIPOPS was asked to focus on completing the draft response for consideration by the plenary meeting on Friday.

7. COMNAP Policy Matters

7.1 Participation in COMNAP Meetings

37. Karl noted that NGOs and commercial organisations have enquired, from time to time, about participating in COMNAP/SCALOP meetings. EXCOM discussed this issue noting that the current “Rules of Procedure” state “Attendance at the annual meetings is limited to MNAPs and staff associates they designate. Outside observers may be invited to attend or participate in particular sessions as determined by the chairman and with the consensus of members of that session.” This procedure is based on the premise that the primary purpose of COMNAP is to assist the people that work in national programs, namely, government employees. Others can be invited to participate in selected portions of the meeting when they bring special expertise to particular topics under discussion. There is some remaining ambiguity in the wording of the current rule that Jack will remedy and amend the rules that are available on the COMNAP web site.

Action 5: *Exec.Sec to amend the rule regarding outside observers attending COMNAP meetings so that there is no ambiguity of interpretation.*

7.2 Public Reporting on COMNAP Activities

38. In response to comments that COMNAP discusses and takes action on matters that affect other bodies, and should make the content of these discussions public, EXCOM noted that the minutes of the meetings are posted on our web site (password protected for members only) but concluded that it would be desirable to produce “quick minutes” at the end of each meeting that captured any significant decisions that were taken. Gillian Wratt has kindly offered to produce “quick minutes” for the Shanghai meeting that can be distributed freely.

Action 6: *Gillian Wratt to provide draft “quick minutes” of the Shanghai meeting which would be suitable for public distribution.*

8. Working Group Activities

8.1 Process for Requesting Project Funds

39. Members were reminded of the procedure for seeking approval of project funds to support workshops, consultancies and other activities. As noted on the agenda document, requests for funding must be submitted to EXCOM by 1800 on Thursday for preliminary consideration before the Friday plenary.

8.2 Working Groups Membership and Tasking

Terms of Reference

40. Karl asked that all working groups review their terms of reference and tasks in order to ascertain whether or not they had a continuing role or could be wound up and report back on their status to the Friday plenary. There were several working groups, Karl advised, where a change in the chair was due. There was also a need to further consider the future of the ad hoc Group on Medical Standards.
ECCG

41. Karl noted that Heinz Miller had completed his three-year term as chair of the Environmental Coordinating Group (ECG) but has agreed to continue in the role for one more year. A replacement chair would need to be identified and by EXCOM for endorsement at the 2003 COMNAP meeting in Brest.

Action 7: *EXCOM to identify a replacement ECG chair for endorsement at the 2003 COMNAP meeting in Brest.*

MOLIBA

42. Gerard Gugie is to stand down as chair of the Working Group Monitoring the Liability Annex following completion of his three-year term. Karl advised that John Dudeney (UK) had kindly accepted EXCOM's invitation to consider taking over as chair for the next two years. The plenary unanimously endorsed John's appointment.

TANGO

43. Karl advised that Anders Karlqvist (Sweden) had occupied the chair of the Working Group on Tourism and Non Governmental Activities (TANGO) for many years but now wished to stand down. EXCOM would seek a replacement chair for endorsement at the 2003 COMNAP meeting.

Action 8: *EXCOM to identify a replacement TANGO chair for endorsement at the 2003 COMNAP meeting.*

Medical Standards

44. The Ad Hoc Medical Group, Karl noted, is not a working group but rather an interest group at this stage. Following the conduct of a survey by France, member countries had provided an excellent set of data on the medical screening standards. There was now a need for the interest group to consider this data and decide on the next steps.

45. Pentii Malkii (Finland) suggested that the establishment of some form of a network or working group similar to the SCAR Working Group on Human Biology and Medicine (WGHB&M) might be appropriate. Gerard Jugie (France) said that there should be a distinct boundary between research and operational medical matters. John Dudeney (UK) supported the formation of a working group but not one that was a re-creation of the HB&M Working Group. Anders Karlqvist (Sweden) noted that the medical standards issue had been examined on several occasions with little progress being made.

46. Tony Press (Australia) advised that it had always proved difficult to have the WGHB&M focus on operational medical issues. He suggested that Karl might wish to talk to the WGHB&M on which way they may be developing under SCAR. Heinz Miller (Germany) stressed that the operational aspects need to be examined and these are quite different to the focus of the WGHB&M. Gillian Wratt (New Zealand) suggested that COMNAP should focus on its needs rather than attempting to influence the development of the WGHB&M. On related matter, Stanislaw Rakusa-Suszczewski (Poland) referred to a USA research paper on the selection of expeditioners and sociological issues which was an excellent reference.

ATCM/CEP Issues

47. Karl referred to the increasing interest by the ATCM/CEP on environmental matters and tourism. He asked Olav Orheim (Norway and current CEP chair) to comment on issues likely to arise at the forthcoming ATCM/CEP meetings in Warsaw during September 2002.

48. Olav noted that the meetings would commence on Tuesday rather than Monday which has been the past practice. As a consequence he believed that it would be necessary for the CEP to commence on the Tuesday of the first week and continue until Monday of the second week. This would need to be decided at the meeting of the Heads of Delegation, which would take place prior to the ATCM/CEP commencing. Olav advised that the following items would be considered by the CEP:

- Report of the inter-sessional contact group on cumulative impacts;
- Review of Annex 2 of the Environmental Protocol on "Flora and Fauna";
- New system of managed areas in force as a result of Annex V being finally ratified;
- Several inter-sessional groups to report on plans for protected areas;

- Discussion on how new Antarctic Treaty nations might participate in science activities without establishing stations or other infrastructure; and
- Discussion on tourism that can have significant operational impacts on national programs.

49. With regard to the ATCM Olav suggested that the discussions on the “Liability Annex” are unlikely to be moving forward very far although there is likely to be substantial debate on the proposed establishment of the Treaty Secretariat in Buenos Aires.

9. Working Group Reports

50. Karl proposed that the discussion on working group reports would be split into those that fell directly under COMNAP and those that were more closely affiliated to SCALOP. As a result the reports on AIROPS, EMRAC, ENMANET, SHIPOPS and SYMP would be presented under the chairmanship of the SCALOP chair, Kim Pitt (Australia), and the remainder under the chairmanship of Karl.

9.1 CEDAT (Including INFONET & TRAINET)

51. CEDAT chairman, Magnus Augner (Sweden), referred to the meeting report (Paper No 2002/43) and noted the key points as follows:

- No changes are proposed to the CEDAT terms of reference.
- CEDAT supports the proposed joint AEON/TRAINET workshop on environmental training.
- Documents on a common training checklist and on common training terminology have been completed. A report on TRAINET activities by the Coordinator, (Richard Mulligan (Australia), is given in Paper No 2002/50.
- The INFONET Coordinator, Guy Gutheridge, (USA) is to stand down as Coordinator after four years in the position. It is recommended that Luciano Blasi (Italy) be appointed the new Coordinator of the network.
- CEDAT supports the proposal by Okitsugu Watanabe (Japan) to have common INFONET projects under regional groupings.

Action 9: *The COMNAP plenary endorsed Luciano Blasi (Italy) as the new INFONET Coordinator and thanked Guy Gutheridge (USA) for his service during the last four years.*

9.2 CENMAN (Including ENMANET)

52. CENMAN chairman, Julian Tangaere (New Zealand), referred to the meeting report (Paper No 2002/52) and noted the key points as follows:

- It was agreed that the terms of reference were still relevant, however, it is recommended that they be broadened to include all technological activities.
- The energy management survey has been completed and will be added to the COMNAP web site under a new “Energy Management” web page.
- There are presently 18 members of the network and new members will expand the membership to 25.
- The meeting was given a talk on the US sustainable energy program and a technical paper on these initiatives will be circulated to network members.
- The network considers that there is a need to hold a workshop of members to develop standards and a key collaborative project. A proposal will be prepared for EXCOM consideration.

Action 10: *EXCOM to consider the proposal by CENMAN to broaden its terms of reference to include all technological activities.*

9.3 ECG

53. ECG chairman, Heinz Miller (Germany), referred to the meeting report (Paper No 2002/51) and noted the points as follows:

- The terms of reference of the ECG are considered to be adequate although the linkage with JCADM should be strengthened.
- The ECG recommended that the newly developed “*Practical Guidelines For Developing and Designing Environmental Monitoring Programs in Antarctica*” be adopted and published on the COMNAP web site. It is recommended that AEON review the Guidelines in three years time to ascertain whether any amendments may be necessary.
- The ECG has prepared a draft paper for presentation to the CEP on the AEON review of IEEs. It was noted that the review concluded that IEEs prepared after the development of the “*ATCM Guidelines on EIAs*” were better than those produced before the Guidelines were published.
- A proposal by AEON to hold a two-day workshop on environmental training is considered timely and supported by the ECG. It is proposed that the workshop be held in conjunction with TRAINET at the Brest meeting of COMNAP in 2003.
- Gillian Wratt’s departure from the ECG leaves a vacancy. Tony Press (Australia) has offered to fill the position if this is agreeable to COMNAP members.

54. Karl asked Tony Press if he would confirm his agreement to serve on the ECG, which he did. The plenary unanimously accepted Tony’s appointment to the Group.

55. Olav Orheim (Norway) noted that AEON had continued to receive more tasks from the CEP because of the presence of many of its members as part of national delegations. COMNAP needs to ensure, however, that AEON does not have an independent presence at the ATCM /CEP or speak as an organisation as it is a component of, and responsible to, COMNAP. There is an issue, Olav noted, on the boundary between CEEs and IEEs but the body of practice will give guidance over time.

56. John Pye (UK) suggested that there was a need to provide more clarification on the role of COMNAP’s component committees such as working groups, networks, etc. Jack (ExecSec) advised that the COMNAP paper on the “*Operation of Working Groups*”, which was adopted several years ago, defines the roles and operation of the various components including the process for seeking project funding. Copies of the relevant paper would be circulated or posted as a paper prior to the Brest COMNAP meeting..

9.4 STADM

57. Karl referred to the discussions held at the Joint COMNAP/SCAR Executive Committee meeting earlier in the week when advice was received from JCADM that the development work was now complete but US\$20,000 per annum would be required to maintain the system. The Committee concluded that it was not possible to take action on this proposal as time was needed to study the JCADM proposals in depth. Karl noted that JCADM sees itself more aligned to SCAR than to COMNAP.

58. Anders Karlqvist (Sweden) noted that the way the data had been incorporated into the GCMD appeared to be successful. How useful the system will be, however, is still open to question. Erick Chiang (USA) described how the system facilitates access to databases on other sites and may offer better ways of exchanging operational information. Gillian Wratt (New Zealand) commented positively on the guidance given by STADM and that it was good to see that JCADM now had a technically good system at a relatively small cost under the GCMD. Gillian supported COMNAP continuing to financially support the AMD providing SCAR does. Heinz Miller (Germany) suggested that the system should be demonstrated at the next meeting.

59. John Dudeney (UK) said he was keen to know how much the system was being used and what would be the potential use. He pointed out that BAS had implemented its own system that had not been well used. Tony Press (Australia) noted that there had been 1900 hits on the site but NASA confidentiality restrictions prevented information on the sources being divulged. NASA has agreed to seek information from users on site utilisation. Erick Chiang (USA) advised that there had been a 79% increase in metadata entries and a 200% increase in hits.

60. Karl pointed out that the joint SCAR/COMNAP funding runs out in December 2002 and that SCAR appeared likely to provide funding at some level. He suggested that one or two members be tasked to follow progress of the system and advise EXCOM, so that it could consider at its next meeting in March 2003, whether and at what level funding support should be provided by COMNAP. EXCOM has authority, he advised, to authorise project expenditure inter-sessionally of up to US\$6,000.

Action 11: *The COMNAP chair to nominate two members to monitor progress of the AMD system and advise EXCOM, prior to its March 2003 meeting, whether or not additional funding support should be considered.*

9.5 MOLIBA

61. Gerard Jugie (France) noted that Erick Chiang (USA) and John Dudeney (UK) have made major contributions to the work of MOLIBA in recent years. Gerard advised that he was standing down from chairmanship of MOLIBA after three years and that John Dudeney had agreed to undertake the role. The group has produced a draft paper for the ATCM on “Worst Case and Less than Worst Case Scenarios” although additional work needed to be done on the probability of events occurring which may require the use of external consultants.

62. John Dudeney (UK) thanked Gerard for his excellent work during the past three years. He referred to the meeting report (Paper No 2002/45) and noted the following points:

- A small sub group of MOLIBA would work inter-sessionally to determine to what extent COMNAP could address the issue of probability and this may require a survey of members and the use of external consultants.
- It is proposed that the terms of reference of MOLIBA be amended to reflect the work it does in supporting the ATCM.
- The task to determine the cost and probability of incidents is redefined to examine the extent to which COMNAP can address these issues.

Action 12: *EXCOM to consider the proposal by MOLIBA to amend its terms of reference to reflect the role it undertakes in supporting the ATCM.*

9.6 TANGO

63. The chairman, Anders Karlqvist (Sweden), advised that twelve countries were represented at the TANGO meeting. He referred to the meeting report (Paper No 2002/48) and noted the following points:

- The results of the survey on tourism interaction with national programs have been summarised in a draft information paper prepared for the ATCM.
- It would be beneficial to continue undertaking the survey on an annual basis over a reasonable period of time.
- Concerns were expressed at the meeting on high-risk adventure tourism and the potential for increased tourist activity as a result of new air links being introduced.

Action 13: *TANGO to continue with the annual survey of national programs on the interaction with tourist activities.*

9.7 Medical Standards Sub-group

64. The meeting was chaired by John Pye (UK) and attended by 22 people. The outcomes are summarised in the meeting report (Paper No 2002/49). Claude Bachelard (France) reported on the results of the survey that comprised responses from 24 member countries. Except for psychological screening, there proved to be a high degree of commonality between national programs regarding medical screening practices. However medical standards are difficult to compare, as they are not always formalized. It was agreed that:

- Claude Bachelard would provide the survey results to the COMNAP Secretariat for distribution to all members.
- Supplementary information would be sought from all programs on medical standards so that an information document on medical screening and standards can be prepared.
- Proposals should be developed on how COMNAP could formalise its work including draft terms of reference for a working group and outline of work.
- As guiding principals it was agreed that the focus should be on operational matters, not research, and the aim is to share understanding on operational medical issues rather than imposing common standards.

John Pye noted that the Sub-group proposes that inter-sessional work should progress on a step-by-step basis until COMNAP defines and agrees on how the work should be carried forward.

65. Pentti Malki (Finland) congratulated the Sub-group on their work to date and supported the step-by-step approach. Pentti also referred to Paper No 2002/41 on a proposal to set up a working group which he also supports. COMNAP chairman, Karl Erb, proposed that a small inter-sessional group be established to assist progress up to the Brest meeting and develop draft terms of reference for a proposed working group.

Action 14: *Claude Bachelard to provide the results of the medical screening survey to the COMNAP Secretariat for distribution to all members.*

Action 15: *The COMNAP Chairman, in consultation with EXCOM members, establishes a small group to assist progress on the medical screening work up to the next meeting in Brest and develop draft terms of reference for a proposed working group.*

10. SCALOP and Related Working Group Reports

10.1 SCALOP Chairman's Report

66. The SCALOP Chairman, Kim Pitt (Australia), advised that the meeting addressed three principal matters, namely:

- Items referred by COMNAP for consideration;
- Presentations on matters of logistics and operational interest; and
- A review of SCALOP's terms of reference.

Items referred by COMNAP for Consideration

67. Kim advised that only one item was referred to SCALOP for consideration and that was the ATCM request for advice on best practice to meet the requirements of the Waste Management Annex of the Madrid Protocol by avoiding the discharge of wastewater onto ice-free ground at inland stations. SCALOP reviewed a report by the SCALOP Chairman on the results of a survey of wastewater discharge practices at various stations in Antarctica. It was agreed that the paper should be used to develop the draft response to the ATCM. The resulting draft paper was attached as an annex to the SCALOP report (Paper No 2002/42) for COMNAP's consideration.

Presentations on Logistics and Operational Matters

68. The meeting was given two presentations. The first was on the joint program by the Australian Antarctic Division and contractors to clean up the Thala Valley waste site near Casey station. The second, by John Dudeney (UK), was on the destruction by fire of the Bonner Laboratory at Rothera Station.

Review of SCALOP's Terms of Reference

69. The meeting considered the terms of reference (TOR) and initially considered that they were appropriate. However, upon further reflection it was considered that some working groups undertook important tasks that were not reflected in the TOR. The meeting requested the Chairman to propose a revised third TOR for EXCOM consideration, namely: *"To address technical and operational matters of mutual interest to other national operators and to provide oversight of SCALOP working group tasks: SCALOP working groups are SHIPOPS, AIROPS, EMRAC, ENMAN and SYMP."* The committee agreed that many short-time tasks might be undertaken by SCALOP in preference to passing them to or establishing new, working groups.

Action 16: *EXCOM consider a proposal by SCALOP to amend the committee's third term of reference as given in the previous paragraph.*

70. Kim advised that SCALOP was happy to undertake the residual responsibilities of EMRAC should it be closed down. SCALOP would also take a lead role in determining the direction of the Bremen Symposium and then SYMP would work to SCALOP. Finally, it was agreed that members would continue posting brief national SCALOP reports prior to the annual meeting in the prescribed format.

10.2 AIROPS Report

71. The chairman, John Pye (UK), referred to the meeting report (Paper No 2002/48) and noted the following key points:

- The meeting re-affirmed that the terms of reference were appropriate.
- AFIM updates had been received from nine national programs and members were reminded of the importance of ensuring that the information was kept up-to-date.
- The AFIM publishers have been asked to develop an INTERNET-based revision service but so far have not moved in this direction. If no progress is made in the next 12 months COMNAP may have to develop its own web-based system.
- Representatives from the Australian Antarctic Division (AAD) and SkyTraders updated the meeting on the status of the proposed AAD inter-continental air link.
- A briefing by Jan Erling Haugland (Norway) and Valery Klokov (Russia) on proposed developments with the Dronning Maud Land Air Network (DROMLAN).
- Updates by Erick Chiang (USA) on the Pegasus, all-season runway at McMurdo and an alternate landing site on the Odell Glacier.

72. Discussions were held on Paper No 2002/12 by Erick Chiang (USA) on “*The Use of High-Resolution Mesoscale Models for Antarctic Weather Forecasting*” on work carried out at the US National Center for Atmospheric Research (NCAR) in Boulder, Colorado. The meeting agreed to recommend sponsoring a workshop (probably in late September 2002) to facilitate an exchange of information between forecasters and modelers to determine the feasibility of producing tailored operational forecasting models. Five national programs indicated that they would be represented at the workshop. If financial support proved necessary, a proposal would be submitted to EXCOM seeking US\$2,500 to cover NCAR costs and the publication of proceedings.

10.2 SHIPOPS

73. The chairman, Hartwig Gernandt (Germany), referred to the meeting report (Paper No 2002/46). Hartwig advised that the meeting had discussed the findings in Paper No 2002/38 by Kim Pitt (Australia) on the Ship Position Reporting System (SPRS). It was noted that the system was in strict accord with the IMO Guidelines on ship reporting systems and all national operators are encouraged to submit data during the season. The meeting agreed that access to displayed information should be available to national programs and safety authorities only. IAATO and other third party vessels may submit position information but not gain access to the SPRS processed data. Sixteen national programs indicated that they would contribute data to the system.

74. The Working Group considered the report of a sub group that had addressed questions put forward by the UK Foreign & Colonial Office (FCO) on the proposed Antarctic Shipping Guidelines. Hartwig advised that SHIPOPS recommended the report for COMNAP’s consideration, which could form the basis for the FCO response. It is intended that members of SHIPOPS should continue to liaise with their IMO representatives on the development of the Arctic shipping Guidelines and monitor progress on the Antarctic Shipping Guidelines. The issue will be discussed again at the Brest meeting in 2003.

75. The need to maintain the currency of information in ATOM and MiniATOM was discussed. All national programs were urged to regularly update their communication information on all vessels, governmental or under charter, sailing for national programs.

Action 17: *The COMNAP Secretariat to provide national maritime safety authorities, with responsibility for Antarctic waters, password access to the SPRS site.*

Action 18: *The COMNAP Secretariat to modify the web-based Ship Position Reporting System (SPRS) such that IAATO and other third party vessels can input positional data but not access the processed information.*

Action 19: *All national programs are encouraged to contribute ship positional information to the SPRS web site during the operational season.*

Action 20: *All national programs are urged to ensure that their communications information in ATOM and MiniATOM is kept up-to-date.*

10.3 SYMP

76. The chairman, Xu Shijie (China), referred to the meeting report (Paper No 2002/47) and noted the following key points:

- It was agreed that no other COMNAP or SCALOP meetings, either formal or informal, should take place during the Symposium.
- The pre-planning meeting was useful and should be held on future occasions.
- Further thought needs to be given to the length of the symposium.
- Consideration should be given to distributing notes for poster and oral presentations to enhance understanding.
- It is proposed that SCALOP members be surveyed on the topics and format for the 2004 symposium in Bremen.
- Germany will take over the chairmanship of the SYMP Working Group in order to coordinate preparations for the 2004 event.

10.4 EMRAC

77. The chairman of EMRAC, Kim Pitt (Australia), referred to the meeting report (Paper No 2002/53) and noted the following key points:

- The meeting proceeded through its agenda on the basis that if the existing terms of reference had been properly addressed it might be possible to close EMRAC down.
- The meeting agreed that the “*Guidelines on Contingency Planning for General Incidents and Disasters*” (Paper No 2001-10) are acceptable and would be recommended for adoption and publication by SCALOP and COMNAP.
- The sharing of information via the web-based AINMR site was considered valuable and should be continued. A simple, standard reporting format should be implemented and guidance should be provided to members on the types of incidents that should be posted to the site. The task of reviewing the posted incidents could be undertaken by SCALOP if EMRAC was disbanded.
- The task of implementing regional oil spill plans is essentially complete through the development of local plans where two or more programs are geographically close enough to cooperate in response activity.
- Some national programs did not complete the two surveys on contingency planning so they will be re-issued.
- The meeting concluded that EMRAC could be disbanded with the ongoing and outstanding tasks either transferred to SCALOP or completed by the Chairman, as appropriate.

Action 21: *The “Guidelines on Contingency Planning for General Incidents and Disasters” (Paper No 2001-10) are recommended for adoption by SCALOP and COMNAP and subsequent publication.*

Action 22: *The SCALOP Chairman is to consult with the Executive Secretary on a simple standard reporting format for AINMR purposes and guidance on the type of incidents that should be posted to the web site.*

Action 23: *The task of reviewing AINMR reports is to be undertaken by SCALOP.*

Action 24: *The SCALOP Chairman is to re-issue the survey on contingency planning and circulate the results to members, when available.*

Action 25: *The “Guidelines on Contingency Planning for General Incidents and Disasters” (Paper No 2001-10) are recommended for adoption by SCALOP and COMNAP and subsequent publication.*

Action 26: *Because EMRAC has completed most of its task and SCALOP and the EMRAC Chairman can handle the remainder, it is recommended that the working group be disbanded.*

Discussion

78. COMNAP Chairman, Karl Erb, thanked Kim and the various working group chairmen for their work and report presentations and invited discussion on any matters of particular interest. Karl referred to the draft paper on “*Best Practice to Avoid Wastewater Discharge on Ice-free Areas*” which, he considered, did not strictly address the issue of “best practice”. Kim referred to the ATCM request and the survey conducted through SCALOP of current practices. He noted that technology is available to treat wastewater and discharge drinking quality water, however, SCALOP’s preference was to take an approach outlining new developments and avoid recommending the adoption of the “drinking water” approach. Kim pointed out that the SCALOP report is to COMNAP and not the ATCM.

79. Pentti Malki (Finland) suggested that COMNAP prepares a progress report that didn’t go too far. Olav Orheim (Norway) said that the SCALOP report provides the basis of a good paper but we must be careful that it does not backfire. Anders Karlqvist (Sweden) suggested that the issue needs to be kept on the agenda and COMNAP should be positive in its response. Gillian Wratt (New Zealand) proposed that it was an item of continuing consideration but it should not be created into a bigger task. COMNAP could offer to update the CEP as the technology improves. Karl suggested that COMNAP provides the ATCM with a status report and note that best practice is dictated by specific situations and practical constraints. John Dudeney (UK) supported the proposed way forward and Kim Pitt agreed to amend the paper to reflect the previous comments.

Action 27: *The SCALOP Chairman, Kim Pitt (Australia), is to amend the paper on “Best Practice to Avoid Wastewater Discharge on Ice-free Areas” taking into account the meeting discussions.*

11. Sub-glacial Lakes Exploration

80. Karl advised that there would be a presentation on sub-glacial lakes exploration at the Joint SCAR/COMNAP workshop on the Saturday morning (next day) with opportunity for questions and discussion. Valery Klokov (Russia) advised that Russia had submitted an information paper at the St Petersburg ATCM last year on proposed further exploration at the Vostok core-drilling site. The plan was to recover an additional 50 metres of ice core. The plan was sent to SALEGOS in November 2001 for consideration at its Bologna meeting. SALEGOS agreed that the scientific data was adequate to motivate additional deepening.

81. SALEGOS opined, however, that an independent assessment was needed to judge the environmental impacts of the proposed deepening. The independent group undertook a risk assessment but was unable to arrive at consensus on the proposal. SALEGOS recommended that SCAR and COMNAP reconsider the Russian proposal and provide clear guidelines. Karl asked Valery to seek advice from SCAR and advise COMNAP of the result of those discussions.

82. Karl referred to the US and UK meeting papers on sub-glacial exploration that have been posted on the COMNAP web site (Papers Nos 2002/10 & 2002/28). Heinz Miller (Germany) advised that Germany intended sharing technical capabilities, in conjunction with Norway, with the US. Olav Orheim (Norway) noted that NASA is testing equipment for sub-glacial lakes exploration in Svalbard.

12. COMNAP Secretariat Proposals

83. Karl referred to the paper that was approved at the Amsterdam COMNAP meeting entitled “Calls for expressions of Interest to Host the COMNAP Secretariat (Paper No 2001/5), which outlined the skills for the Executive Secretary candidate and tasked EXCOM to undertake the selection process. Karl noted that three excellent proposals were received. The cost of all three proposals was similar. EXCOM developed a selection process that included a requirement for an EXCOM member to stand down from the selection process if a candidate was from that person’s country. Gillian Wratt, Kim Pitt and Jack Sayers stood down and Anders Karlqvist and Patricio Eberhard (both former EXCOM members) joined the selection panel alongside Okitsugu Watanabe, Gerard Jugie and Karl.

84. Each selection panel member prepared a review of the candidates that was sent to an officer in NSF who collated the information. Of the five panel members, four selected the Australian proposal first and the fifth member ranked it second. Two of the panel members subsequently conducted telephone interviews (one

hour each) with the selected candidate. The Australian proposal was based on Antoine Guichard as Executive Secretary and the Tasmanian State Government continuing to provide office and other support.

85. The selected candidate, Antoine Guichard, has previously presented papers at SCALOP symposia on alternative energy. He has his own private business but will divest himself of Antarctic clients. Antoine has excellent IT skills and has coordinated a course on Antarctic operations at the University of Tasmania. He is fluent in French and English and is learning conversational Spanish. Karl advised if the panel's recommendation was approved by the plenary he would undertake to negotiate the contractual arrangements with Antoine and the Tasmanian State Government. Karl invited comments from the meeting.

86. Heinz Miller (Germany) noted that the selection process was very intensive and the recommendation should be supported. Olav Orheim (Norway) added support to Heinz's comments. John Dudeney (UK) agreed that the meeting should empower Karl to undertake the negotiations. Karl thanked the meeting for its support.

Action 28: *The COMNAP Chairman, Karl Erb, to undertake the contractual negotiations with the nominated Executive Secretary, Antoine Guichard, and the Tasmanian State Government.*

13. Consideration of Requests for Funds

87. Karl noted that there was one formal request to EXCOM for funds from AIROPS. John Pye (UK) confirmed that AIROPS was seeking US\$2,500 to support the proposed workshop on numerical modeling of weather forecasts that is planned to take place in Boulder, Colorado. The meeting agreed to support this proposal.

88. Karl commented that there were, he believed, two or three proposals for workshops that may require some funding should they be approved. Heinz Miller (Germany) advised that AEON wished to hold its workshop on environmental training in conjunction with the 2003 COMNAP meeting in Brest although it was difficult to determine, at this stage, what funding might be necessary. Gillian Wratt (New Zealand) said that she supported the proposed AEON workshop that should be held in conjunction with TRAINET. Several members added their support of the workshop proposal.

89. Gerard Jugie (France) noted that when the Brest meeting was planned there were to be no workshops. It would be possible to host a joint AEON/TRAINET workshop but the attendance must not exceed 30 persons. The venue may not be the same as the COMNAP meeting. Jack (ExecSec) pointed out that a joint AEON/TRAINET workshop could attract between 40-50 participants and therefore it may be necessary to select participants. Jack also responded to a suggestion that funds be provided to support travel costs and noted that COMNAP's policy was not to provide funds or subsidise travel to workshops and meetings. John Dudeney (UK) said he felt uncomfortable at targeting participants, as COMNAP's workshops had always been open to all members. Kim Pitt (Australia) suggested that it would be necessary to poll members to determine who would be attending.

90. Julian Tangaere (New Zealand) referred to a proposal for ENMANET to hold a workshop on energy management. He noted that in view of the earlier discussion on the proposed AEON/TRAINET workshop he would defer the proposal and work towards the workshop being held in conjunction with the 2004 Bremen meeting. John Dudeney (UK) offered British Antarctic Survey as a possible venue if a workshop was needed before 2004.

Action 29: *AEON and TRAINET are to determine how many members would attend a joint workshop in conjunction with the 2003 Brest meeting noting that the number of participants must not exceed thirty.*

14. Confirmation of Budget

91. Jack presented the draft budget that appears as Annex D of Paper No 2002/21. Karl noted that the meeting had approved US\$2,500 to support the Boulder workshop and that there was a need to include A\$10,000 for transition costs associated with the change of Executive Secretary. Jack advised that the budget, as presented, could accommodate both these costs without a need for adjustment. The budget was confirmed by the meeting.

15. IGY 50th Anniversary.

92. Heinz Miller (Germany) recalled the discussions at the Amsterdam meeting on a proposed Trans-Antarctic Glacial Traverse. Heinz referred to a PowerPoint presentation on the project, which is given in Paper No 2002-40. Heinz noted that the project would need to take place over a four-year period, from 2007-2011. Olav Orheim (Norway) stressed the need to have a good scientific team behind the project and that it should be of such a size that it would not be easy to repeat – a major one-off event. By 2007 there may be more air links to Antarctica, he added, that would make for easier support. It could generate spectacular logistics and science and broad international participation. Pentti Malki (Finland) noted that there needed to be good scientific incentives to get the support funds. COMNAP's role should be to give encouragement to SCAR. The project would not be as prominent as the previous IGY activities but would still be of considerable merit.

16. Venues for Future Meetings

COMNAP Meetings

93. Gerard Jugie (France) confirmed that arrangements were well in place for the 2003 meeting in Brest that would be held from 8-11 July. Heinz Miller (Germany) advised that the First Circular announcing the SCAR and COMNAP meetings in Germany during 2004 had been issued. The COMNAP meeting will be held in parallel with the SCAR meeting of working groups during the last week of July in Bremen. The SCAR delegates would be held in Bremerhaven later in the year. Karl asked the meeting if there were any proposals for hosting the 2005 COMNAP meeting. No proposals were available so the matter was deferred for further discussion at the 2003 meeting. Members were invited to consider hosting the meeting, especially if they haven't done so before.

ATCM Meetings

94. Stanislaw Rakusa-Suszczewski (Poland) noted that the XXV ATCM would be hosted by Poland in September this year and advised the meeting of how to access papers on the password protected part of the web site. Jeronimo Lopez (Spain) advised that Spain were planning to hold the ATCM in June 2003 but this would need to be agreed by delegates to the Warsaw meeting.

17. Any Other Business

Book on National Antarctic Programs

95. Gerard Jugie (France) confirmed that funding was available to proceed with publishing a quality book on Antarctic national programs. He had distributed to members a paper that described the format and information required for members. In addition to a description of each program there would be space for six colour photographs of the institutes and their home city. The deadline for receiving input is 30th NOVEMBER 2002.

Action 30: *National programs to provide, by 30th November 2002, script and colour photos for the proposed book being prepared by the French Antarctic Institute.*

18. Close

96. Karl thanked members for a productive meeting and expressed appreciation to the Chinese hosts for the excellent staff support and arrangements. The meeting was closed at 5.35 pm.

COMNAP XIV

Shanghai China

15-19 July 2002

List of Participants

First Name	Family Name	Position	Organisation	Country
Tony	Press	COMNAP	Australian Antarctic Division	Australia
Kim	Pitt	SCALOP	Australian Antarctic Division	Australia
Chris	Patterson	Delegate	Australian Antarctic Division	Australia
Richard	Mulligan	Delegate	Australian Antarctic Division	Australia
Maikke	Vanauwenbergh	COMNAP	Belgian Antarctic Program	Belgium
Paulo	Cesar de Lima	COMNAP	Brazilian Antarctic Program	Brazil
Iran	Cardosa	SCALOP	Brazilian Antarctic Program	Brazil
Christo	Pimperev	COMNAP	Bulgarian Antarctic Program	Bulgaria
Dimitar	Teanev	Delegate	Ministry of Foreign Affairs	Bulgaria
Bonni	Hrycyk	COMNAP	Polar Continental Shelf Project	Canada
Jorge	Berguno	COMNAP	Chilean Antarctic Institute	Chile
Patricio	Eberhard	SCALOP	Chilean Antarctic Institute	Chile
Miguel J	Figueroa	Delegate	Chilean Air Force	Chile
Hernan	Oyarguren	Delegate	Chilean Navy	Chile
Bernard	Johnson	Delegate	Chilean Navy	Chile
Manuel	Moreno	Delegate	Chilean Navy	Chile
Wenliang	Wei	Delegate	Chinese Arctic & Antarctic Adm'ion	China
Yuanshao	Hong	Delegate	Chinese Arctic & Antarctic Adm'ion	China
Jun	Wu	Delegate	Chinese Arctic & Antarctic Adm'ion	China
Shijie	Xu	Delegate	Chinese Arctic & Antarctic Adm'ion	China
Mario Proaño	Silva	SCALOP	Ecuadorian Antarctic Program	Ecuador
Pentti	Malki	COMNAP	Finnish Inst of Marine Res'ch	Finland
Henrik	Sandler	SCALOP	Finnish Inst of Marine Res'ch	Finland
Gerard	Jugie	COMNAP	French Inst for Polar Res & Tech	France
Patrice	Godon	SCALOP	French Inst for Polar Res & Tech	France
Heinz	Miller	COMNAP	Alfred Wegener Institute	Germany
Hartwig	Gemandt	SCALOP	Alfred Wegener Institute	Germany
Prem	Pandey	COMNAP	Nat'l Cen for Ant & Ocean Research	India
Nino	Cucinotta	Ag/COMNAP	Italian Antarctic Program	Italy
Ponzo	Umberto	Ag/SCALOP	Italian Antarctic Program	Italy
S Rigea	Kuriki	Delegate	Ministry of Education & Technology	Japan

Okitsugu	Watanabe	COMNAP	National Inst. of Polar Research	Japan
Kazuyuki	Shiraishi	SCALOP	National Inst. of Polar Research	Japan
Yea Dong	Kim	COMNAP	Polar Research Center, KORDI	Korea
Jan H.	Stel	COMNAP	NAAP	Netherlands
Gillian	Wratt	COMNAP	Antarctica NZ	New Zealand
Lou	Sanson	COMNAP Designate	Antarctica NZ	New Zealand
Julian	Tangere	SCALOP	Antarctica NZ	New Zealand
Olav	Orheim	COMNAP	Norwegian Polar Institute	Norway
Jan Erling	Haugland	SCALOP	Norwegian Polar Institute	Norway
Johne	Guldahl	Delegate	Norwegian Polar Institute	Norway
Stan	Rakusa-Suszewski	COMNAP	Dept of Antarctic Biology	Poland
Valery	Klokov	SCALOP	Russian Antarctic Expedition	Russia
Victor	Pomelov	Delegate	Russian Antarctic Expedition	Russia
Henry	Valentine	COMNAP	SANAP	South Africa
Richard	Skinner	SCALOP	SANAP	South Africa
Jeronimo	Lopez	Secretary	Spanish Antarctic Program	Spain
Anders	Karlquist	COMNAP	Swedish Polar Research Org	Sweden
Magnus	Augner	SCALOP	Swedish Polar Research Org.	Sweden
John	Dudeney	COMNAP	British Antarctic Survey	UK
John	Pye	SCALOP	British Antarctic Survey	UK
David	Blake	Delegate	British Antarctic Survey	UK
Patricia	Williams	Delegate	British Antarctic Survey	UK
Simon	Gill	Delegate	British Antarctic Survey	UK
Daniel	Ressia	COMNAP	Uruguayan Antarctic Inst.	Uruguay
Alberto	Lluberos	SCALOP	Uruguayan Antarctic Inst.	Uruguay
Karl	Erb	COMNAP	US Antarctic Program	USA
Erick	Chiang	SCALOP	US Antarctic Program	USA
Al	Sutherland	Delegate	US Antarctic Program	USA
Harry	Mahar	Delegate	US Antarctic Program	USA
Jack	Sayers	Executive Secretary	COMNAP Secretariat	