



United Nations
Environment
Programme



Distr.
RESTRICTED

UNEP(WATER)/NOWPAP IG.47
7 April 1999

Original: English

Fourth Intergovernmental Meeting on
the Northwest Pacific Action Plan

Beijing, 6 - 7 April 1999

4th IGM Report

REPORT OF THE MEETING

Introduction

1. The Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP) and three supporting Resolutions were adopted at the First Intergovernmental Meeting on NOWPAP (Seoul, Republic of Korea, 14 September 1994).
2. The Second Intergovernmental Meeting on NOWPAP was held in Tokyo, Japan on 20 November 1996 to approve the Programme Document, and Workplan and Budget for the biennium 1997/1998. However, it was decided that further Trust Fund arrangements and establishment of a Regional Coordinating Unit (RCU) were to be discussed at a later time.
3. The Third Intergovernmental Meeting (Vladivostok, 9 April 1998) endorsed the revision of the Workplan and Budget for the biennium 1997/1998, and decided on the procedure for establishment of network of Regional Activity Centres.
4. In accordance with Resolution 2 at the Third Intergovernmental Meeting, a Meeting of Experts and National Focal Points was organized during 19-21 January 1999, Bangkok, Thailand to discuss review of the implementation of Workplan for the biennium 1997/1998, proposed Workplan and Budget for the biennium 1999/2000, scale of contributions to the NOWPAP Trust Fund, proposed establishment of network of Regional Activity Centres and future establishment of a Regional Coordinating Unit.
5. Also in accordance with Resolution 2 at the Third Intergovernmental Meeting, the Fourth Intergovernmental Meeting was held at the State Environmental Protection Administration (SEPA) in Beijing, the People's Republic of China on 6 and 7 April 1999.
6. This document is the record of the discussions and deliberations of the Fourth Intergovernmental Meeting.
7. Representatives of the States in the Northwest Pacific region (Japan, the People's Republic of China, the Republic of Korea, and the Russian Federation) participated in the meeting. Observers were also present from Intergovernmental Oceanographic Commission (IOC) of UNESCO, United Nations Development Programme, Toyama Prefectural Government, Northwest Pacific Regional Environment Cooperation Centre, and Japan Maritime Safety Association. The full list of participants is attached as ANNEX I to this report.

Agenda item 1: Opening of the Meeting

8. On behalf of Mr. Klaus Toepfer, UNEP Executive Director, the meeting was opened by Mr. Takehiro NAKAMURA at 9:30 a.m. on 6 April 1999. In his opening remarks, citing information in the national reports on the state of the marine, coastal and associated freshwater environments, he called for a further action to address issues and problems related to the marine, coastal and associated freshwater environments. In closing, he reassured UNEP's continued assistance for implementation of NOWPAP.
9. The representative of the People's Republic of China, Mr. ZHU Guangyao, Deputy Minister of SEPA, made a welcoming statement, in which he highlighted the efforts of the Government of the People's Republic of China for the protection and management of the environment. He further indicated that NOWPAP was entering into concrete actions, and that specific investment might be necessary to solve financial problems.

10. The meeting was also addressed, respectively, by representatives of Japan, the Republic of Korea, the Russian Federation and the People's Republic of China. The opening statements are attached as ANNEX II.

11. The representative of Japan made a statement, in which he reiterated the offer of the Government of Japan to invite to host the Data and Information Network Regional Activity Centre (DIN/RAC) and Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (CEA/RAC), respectively. He also reaffirmed the intention of the Government of Japan to invite to host a Regional Coordinating Unit (RCU), expressing the wishes of the Government that an RCU would be established as soon as possible.

12. The representative of the Republic of Korea emphasized that the financial issues were critical to further implementation of the Action Plan. He further reconfirmed that the scale of contributions should be comprised of a *Basic* contribution, reflecting common participation and shared responsibility, and an *Additional* contribution representing the "capacity to pay" reflected in the UN assessment scale. He then emphasized that Regional Activity Centres should be designated as soon as possible, hopefully at the present meeting. He indicated the request of the Republic of Korea for the member States and UNEP to use and manage NOWPAP resources in a more cost-effective manner.

13. The representative of the Russian Federation notified the meeting of the late arrival of the delegation due to the flight problems.

14. All the representatives who took the floor expressed their gratitude to the Government of the People's Republic of China, particularly, the State Environmental Protection Administration, for its excellent arrangements for the meeting.

15. The representative of the People's Republic of China, in his speech, firstly welcomed, as the host State, the delegates from the other member States, and then reiterated the position of the People's Republic of China on the key issues. Regarding the scale of contributions to the NOWPAP Trust Fund, he reaffirmed that the principles of "voluntary nature" and "common but differentiated responsibilities" should be taken into full account. He further requested the UNEP secretariat to try every effort to seek other sources of funding. Concerning the establishment of the Regional Activity Centres, he reaffirmed the invitation of the Government of the People's Republic of China to host the Data and Information Network Regional Activity Centre, assured the contribution of the People's Republic of China to the other Regional Activity Centres, and meanwhile encouraged support from the other States.

Agenda Item 2: Organization of the Meeting

16. The meeting participants elected a Chairman, Vice-Chairman and Rapporteur, as follows:

Chairman:	Mr. CHENG Weixue (People's Republic of China)
Vive-Chairman:	Mr. Hiroshi KARUBE (Japan)
Rapporteur:	Mr. Soon-Taik HWANG (Republic of Korea)

17. The Chairman proposed for the meeting's consideration that the rules of procedure of UNEP's Governing Council, as applicable to the meetings convened by the Executive Director, would apply, *mutatis mutandis*, for this meeting. The meeting approved the proposal.

18. The Chairman proposed that the meeting carry its work in plenary session in principle. The meeting approved the proposal. Further, the proposed timetable was introduced.

19. The meeting was conducted in English. The secretariat introduced the Provisional List of Documents (UNEP(WATER)/NOWPAP IG.4/Inf.1/Rev.1). The final list of documents is attached to this report as ANNEX III.

Agenda Item 3: Adoption of the Agenda

20. The Provisional Agenda (UNEP(WATER)/NOWPAP IG.4/1), and the Annotated Provisional Agenda (UNEP(WATER)/NOWPAP IG.4/2) were introduced by the Chairman.

21. The meeting decided that all the issues relevant to the Trust Fund would be discussed under the agenda item 5. Then the meeting adopted the proposed agenda. The adopted agenda is attached to this report as ANNEX IV.

Agenda Item 4: Report of the Executive Director on implementation of the Northwest Pacific Action Plan

22. Upon the invitation of the Chairman, the UNEP representative presented the report of the Executive Director of UNEP on implementation of the Northwest Pacific Action Plan (UNEP(WATER)/NOWPAP IG.4/3).

23. With some corrections of the budgetary figures, the meeting noted the report of the Executive Director of UNEP.

Agenda item 5: Scale of contribution to the NOWPAP Trust Fund

24. At the invitation of the Chairman, the UNEP representative introduced document UNEP(WATER)/NOWPAP IG.4/4, and the relevant section of UNEP(WATER)/NOWPAP IG.4/3.

25. A representative of Japan indicated that the Government of Japan would make efforts to maintain the current level of contribution to the NOWPAP Trust Fund.

26. A representative of the Republic of Korea requested, supported by the representative of the People's Republic of China, that the Government of Japan make the best efforts to increase its contribution to the Trust Fund.

27. The meeting decided that the member States would make the best efforts to increase their contributions to the Trust Fund.

28. The representative of the Russian Federation indicated that the Russian Government requested UNEP to convert part of its contribution to the UNEP Environment Fund to its contribution to the NOWPAP Trust Fund, and that this issue would be clarified with the UNEP secretariat.

29. The meeting discussed possible establishment of a reserve in the Trust Fund.

30. A representative of the People's Republic of China stated, supported by a representative of the Republic of Korea, that a reserve should be established at a later time, indicating that there were pros and cons for establishing such a reserve.

31. The meeting did not agree on the establishment of a reserve at this stage.

32. The meeting supported and endorsed the decision of the Governing Council of UNEP at its twentieth session to extend the duration of the NOWPAP Trust Fund through 2001.

Agenda item 6: Review and Adoption of the Proposed Workplan and Budget for the 1999/2000 Biennium

33. At the invitation of the Chairman, the UNEP representative introduced this agenda item, referring to document UNEP(WATER)/NOWPAP IG.4/3. He indicated that the proposed activities for NOWPAP/1, NOWPAP/3 and NOWPAP/4 were based on the proposals prepared by relevant workshops or Forum meeting. Further, he indicated that additional activities were planned for the biennium.

34. A representative of the Republic of Korea expressed her concern over possible duplication of NOWPAP/3 and the implementation of the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA-LBA), because NOWPAP/3 would deal with monitoring of river input and coastal environmental problems. Further, she indicated that the Korea Maritime Institute had already been engaged in the activities relevant to the proposed NOWPAP/7. It was also pointed out that relationship between the proposed NOWPAP/7 and CEA/RAC should not be mentioned.

35. Concerning the implementation of GPA-LBA, the representative of the People's Republic of China pointed out that US\$3,000 allocated to each member State for carrying out national activities was not sufficient, especially for the People's Republic of China, and requested increased financial support from UNEP. A representative of the People's Republic of China then proposed that the implementation of GPA-LBA and NOWPAP/7 be canceled, adding reasons that the NOWPAP member States should focus on the priority projects using the Trust Fund and that NOWPAP/7 had duplication with NOWPAP/1.

36. A representative of Japan indicated that the National Focal Point of Japan had already established a mechanism for implementation of NOWPAP/6, and was ready to cooperate with it. He further pointed out that the Commission on Sustainable Development (CSD-VII) to be held in New York this year will discuss the implementation of GPA-LBA and integrated coastal area management, and recommended, supported by a representative of the Russian Federation, their implementation in the NOWPAP region.

37. The meeting then agreed that the two project proposals (implementation of GPA-LBA and NOWPAP/7) should remain under further study, even assuming that the secured funds for the implementation of GPA-LBA might be lost. The meeting endorsed the proposal for the second phase of NOWPAP/1, NOWPAP/3 and NOWPAP/4 and the proposal for NOWPAP/6 (to be implemented subject to availability of funds) (ANNEX V).

38. The meeting further approved the Workplan and Budget for the 1999/2000 biennium (ANNEX VI).

Agenda item 7: Review and Adoption of the Proposed Establishment of Network of Regional Activity Centres

39. At the invitation of the Chairman, the UNEP representative introduced document UNEP(WATER)/NOWPAP IG.4/5, emphasizing the pending issues at the Meeting of Experts and National Focal Points (January 1999, Bangkok).

40. A representative of Japan reiterated the willingness to host the Data and Information Network Regional Activity Centre (DIN/RAC) at the Japan Oceanographic Data Centre (JODC) in Tokyo. However, a representative of Japan further stated that, deliberating what Japan can do for the more effective promotion of the NOWPAP activities, the Government of Japan abandoned the proposal to host DIN/RAC at JODC, assuming the People's Republic of China takes responsibility for establishment

and operation of DIN/RAC, and that JODC would be able to provide neither institutional nor financial support for the establishment and operation of DIN/RAC without a RAC status.

41. In relation to DIN/RAC, a representative of Japan suggested a change in the description of UNEP(WATER)/NOWPAP IG.4/5, referring to document UNEP(WATER)/NOWPAP IG.4/Inf.4/Rev.1. The suggested changes were agreed upon by the meeting.

42. The meeting agreed on the necessity of establishing two centres on monitoring: Pollution Monitoring Regional Activity Centre in the Russian Federation and Special Monitoring and Coastal Environmental Assessment Regional Activity Centre in Japan and the necessity of subdividing the responsibilities of those centres, that would be based on the tasks of the relevant Working Groups.

43. A representative of the Republic of Korea was of the opinion that the chapeau and the listed duties in the Terms of Reference (TOR) for CEA/RAC had discrepancy because some tasks in these TOR included issues relevant to integrated coastal areas planning and management, which should be carried out by the RCU, and further requested to delete the related articles.

44. The meeting agreed on the establishment of CEA/RAC in line with the Terms of Reference with square brackets that would need further discussion.

45. The meeting decided to establish network of Regional Activity Centres in line with the document (ANNEX VII) with the agreed modification.

Agenda item 8: Future Establishment of a Regional Coordinating Unit

46. At the invitation of the Chairman, the UNEP representative introduced document UNEP(WATER)/NOWPAP IG.4/6. He emphasized that there were specific conditions for establishment of a Regional Coordinating Unit (RCU), such as more firm and longer-term financial basis and stronger Government commitments.

47. The meeting unanimously confirmed that an RCU should be established in the future.

48. A representative of Japan suggested that the RCU be established as soon as possible, and that, considering time for finalizing arrangements for establishment of the RCU, an establishment procedure should be agreed upon at the present meeting. He further indicated that a legally-binding instrument should be considered separately from political and financial commitments for the RCU.

49. A representative of Japan expressed its interest in inviting to host the RCU in Toyama, Japan, referring to document UNEP(WATER)/NOWPAP IG.4/Inf.3.

50. In this connection, Vice-Governor of Toyama Prefecture, as an observer, expressed its wish that the RCU be located in Toyama, Japan.

51. A representative of the Republic of Korea reminded the meeting that the Government of the Republic of Korea had already expressed its interest in hosting the RCU at the Fifth Meeting of Experts and National Focal Points in 1995 and the Third Intergovernmental Meeting in 1998, and reiterated the willingness to host the RCU.

52. Representatives of the People's Republic of China, the Republic of Korea and the Russian Federation expressed their concerns that the network of the Regional Activity Centres should become fully operational before a procedure for establishment of the RCU would be discussed.

53. A representative of the People's Republic of China, supported by representatives of the Russian Federation and Republic of Korea, stated that NOWPAP was still at a pre-mature stage of its development, and that discussion on the procedure should be initiated at a later time.

54. The meeting then agreed upon the following steps:

(i) UNEP is requested to prepare a draft procedure, including criteria for selection of a location and a format for preparation of a proposal for inviting to host the RCU, to be distributed to the member States for comments;

(ii) UNEP is requested to finalize the documents by the end of 1999, incorporating the comments of the member States, which should be submitted to the Fifth Intergovernmental Meeting for its approval;

(iii) The Fifth Intergovernmental Meeting would discuss and decide on a procedure for submitting proposals for inviting the RCU, as well the Terms of Reference for the RCU; and

(iv) The Sixth Intergovernmental Meeting would discuss and decide on a location of the RCU.

55. The meeting also agreed that, before the RCU is actually established, UNEP Executive Director would be requested to function as interim secretariat for implementation of NOWPAP.

Agenda item 9: Preparation for the Fifth Intergovernmental Meeting

56. The meeting discussed the timing of the Fifth Intergovernmental Meeting.

57. A representative of the Republic of Korea conveyed a message of the Government of the Republic of Korea that the Government was unable to host the Fifth Intergovernmental Meeting within 1999, and proposed that it would be held early in 2000.

58. The meeting agreed that detailed information should be communicated with the member States through UNEP.

Agenda item 10: Other Matters

59. No other matters were raised.

Agenda item 11: Report on the Credentials

60. The Chairman reported to the meeting that the credentials had been reviewed prior to and during the meeting by the secretariat and the Chairman, and that all the credentials were accepted.

Agenda item 12: Adoption of the Report of the Meeting

61. The Rapporteur presented the draft report and the draft Resolutions to the meeting.

62. The meeting approved the report and adopted the Resolutions (ANNEX VIII).

Agenda item 13: Closure of the Meeting

63. The Chairman adjourned the meeting at 17:50 p.m. on 7 April 1999. He thanked all the representatives for their active participation.

ANNEX I

LIST OF PARTICIPANTS

I. NOWPAP States

Japan

Mr. Nobuyuki SUGIMOTO

Minister, Embassy of Japan
7, Ri Tan Lu, Jian Guo Men Wai
Beijing, People's Republic of China
Tel: (86-10) 6532-2361
Fax: (86-10) 6532-2992

Mr. Michiaki TSUJI

Deputy Director-General, Transport Policy Bureau
Ministry of Transport
2-1-3, Kasumigaseki, Chiyoda-ku
Tokyo 100-8989, Japan
Tel: (81-3) 3580-4298
Fax: (81-3) 3580-3086
E-mail: T-MICHIAKI@so.motnet.go.jp

Mr. Hiroshi KARUBE

Director, Global Issues Division
Multilateral Cooperation Department
Ministry of Foreign Affairs
2-2-1, Kasumigaseki, Chiyoda-ku
Tokyo 100-8919, Japan
Tel: (81-3) 3581-3882
Fax: (81-3) 3592-0364
E-mail: hiroshi.karube@mofa.go.jp

Mr. Takashi ITO

Director, Administration Division
Hydrographic Department
Japanese Maritime Safety Agency (JMSA)
5-3-1, Tsukiji, Chuo-ku
Tokyo 104-0045, Japan
Tel: (81-3) 3541-4386
Fax: (81-3) 3541-4535
E-mail: takashi-ito@kaino.motnet.go.jp

Mr. Hidenobu OCHI

Director, Ocean Division
Transport Policy Bureau
Ministry of Transport
2-1-3, Kasumigaseki, Chiyoda-ku
Tokyo 100-8989, Japan
Tel: (81-3) 3580-5119
Fax: (81-3) 3580-3086
E-mail: H-OCHI@so.motnet.go.jp

Mr. Susumu OTA

Director, Office of Marine Environment and Waste Management
Planning Division, Water Quality Bureau
Environment Agency
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975, Japan
Tel: (81-3) 3581-4498
Fax: (81-3) 3593-1438
E-mail: SUSUMU_OTA@eanet.go.jp

Mr. Tomohiro SHISHIME

Deputy Director, Office of Marine Pollution and Waste Management
Water Quality Bureau
Environment Agency
1-2-2, Kasumigaseki, Chiyoda-ku
Tokyo 100-8975, Japan
Tel: (81-3) 5521-8311
Fax: (81-3) 3593-1438
E-mail: TOMOHIRO_SHISHIME@eanet.go.jp

Mr. Yutaka MICHIDA

Deputy Director, Japan Oceanographic Data Center
Hydrographic Department
Japanese Maritime Safety Agency (JMSA)
5-3-1 Tsukiji, Chuo-ku
Tokyo 104-0045, Japan
Tel: (81-3) 3541-3818
Fax: (81-3) 3545-2885
E-mail: yutaka-michida@kaiho.motnet.go.jp

Mr. Hitoshi KOMETANI

First Secretary, Embassy of Japan
7, Ri Tan Lu, Jian Guo Men Wai
Beijing, People's Republic of China
Tel: (86-10) 6532-2361
Fax: (86-10) 6532-2992
E-mail: hitoshi.kometani@mofa.go.jp

Mr. Hideyuki ASAOKA

Assistant Director, Ocean Division, Transport Policy Bureau
Ministry of Transport
2-1-3, Kasumigaseki, Chiyoda-ku
Tokyo 100-8989, Japan
Tel: (81-3) 3580-5119
Fax: (81-3) 3580-3086
E-mail: H-ASAOKA@so.motnet.go.jp

Ms. Michiko ITO

Assistant Director, Global Issues Division
Multilateral Cooperation Department
Ministry of Foreign Affairs
2-2-1, Kasumigaseki, Chiyoda-ku
Tokyo 100-8919, Japan
Tel: (81-3) 3581-3882
Fax: (81-3) 3592-0364
E-mail: michiko.ito@mofa.go.jp

Mr. Yasaburo HIKASA

Deputy Director, International Affairs Division
Administration Department
Japanese Maritime Safety Agency (JMSA)
2-1-3 Kasumigaseki, Chiyoda-ku
Tokyo 100-8989, Japan
Tel: (81-3) 3591-9802
Fax: (81-3) 3580-8778
E-mail: yasaburou-hikasa@kaiho.motnet.go.jp

People's Republic of China**Mr. ZHU Guangyao**

Vice Minister
State Environmental Protection Administration (SEPA)
No. 115 Xizhimennei Nanxiaojie
Beijing 100035, People's Republic of China
Tel: (86-10) 6615-3366 Ext. 5534
Fax: (86-10) 6615-1762

Mr. CHENG Weixue

Deputy Director-General, International Cooperation Department
State Environmental Protection Administration (SEPA)
No. 115 Xizhimennei Nanxiaojie
Beijing 100035, People's Republic of China
Tel: (86-10) 6615-3366 Ext. 5534
Fax: (86-10) 6615-1762

Mr. YUE Ruisheng

Division Director, International Cooperation Department
State Environmental Protection Administration (SEPA)
No. 115 Xizhimennei Nanxiaojie
Beijing 100035, People's Republic of China
Tel: (86-10) 6615-1933
Fax: (86-10) 6615-1762

Mr. ZHOU Jiantang

Division Director, Division of Marine Environment Protection
State Environmental Protection Administration (SEPA)
No. 115 Xizhimennei Nanxiaojie
Beijing 100035, People's Republic of China
Tel: (86-10) 6615-1633
Fax: (86-10) 6615-1762

Ms. YI Xiaolei

Deputy Chief, Department of Environment Protection
State Oceanic Administration
1, Fuxingmenwai Ave.
Beijing 100860, People's Republic of China
Tel: (86-10) 6803-2211 Ext. 5521
Fax: (86-10) 6803-0799

Mr. MENG Jianhong

Second Secretary, Department of Treaty and Law
Ministry of Foreign Affairs
No. 2 Chao Yang Men Nan Da Jie
Beijing 100701, People's Republic of China
Tel: (86-10) 6596-3252
Fax: (86-10) 6596-3209

Mr. TANG Yanfei

Assistant Consultant, China Maritime Safety Administration
No. 11 Jianguomennei Ave.
Beijing 100736, People's Republic of China
Tel: (86-10) 6529-2874
Fax: (86-10) 6529-2875
E-mail: Tangyf@263.net

Mr. WANG Yamin

Assistant Director of Division
Fisheries Resources, Wildlife and Environment Protection
Bureau of Fisheries, Ministry of Agriculture
No. 11 Nongzhanguan Nanli
Beijing 100026, People's Republic of China
Tel: (86-10) 6419-2929/2954
Fax: (86-10) 6419-2954/1961
E-mail: Fisheries@agri.gov.cn

Mr. LI Yong

Chief Programme Officer
Ministry of Finance
Xichengu, Shanlihe, Nanshanxang
Beijing, People's Republic of China
Tel: (86-10) 6855-1211
Fax: (86-10) 6855-1261

Mr. CHEN Hedong

Chief Programme Officer
Division of Marine Environmental Management
State Environmental Protection Administration (SEPA)
No. 115 Xizhimennei Nanxiaojie
Beijing 100035, People's Republic of China
Tel: (86-10) 6611-1421
Fax: (86-10) 6615-1762

Ms. CHEN Shawei

Programme Officer
International Cooperation Department
State Environmental Protection Administration (SEPA)
No. 115 Xizhimennei Nanxiaojie
Beijing 100035, People's Republic of China
Tel: (86-10) 6615-1633
Fax: (86-10) 6615-1762

Mr. CHENG Zifeng

Director-General
National Environmental Information Centre
State Environmental Protection Administration (SEPA)
No. 1 YuHui South Road, Ch Yang District
Beijing 100029, People's Republic of China
Tel: (86-10) 6492-4265
Fax: (86-10) 6496-6344
E-mail: CZf@sepaeic.gov.cn

Republic of Korea**Mr. Soon-Taik HWANG**

Counsellor, Embassy of the Republic of Korea in Beijing
3-4th Floor, China World Trade Center
Jianguomen Waidajie 1
People's Republic of China
Tel: (86-10) 6505-2583
Fax: (86-10) 6505-4937

Mr. Sok-Chang KWON

Deputy Director, Marine Environment Planning Division
Ministry of Maritime Affairs and Fisheries
826-14, Yoksam-dong, Kangnam-ku
Seoul 135-080, Republic of Korea
Tel: (82-2) 3466-2161
Fax: (82-2) 554-1750
E-mail: sokchang@hanmail.net

Ms. Ji-Hyun PARK

Assistant Director, Environment and Science Division
Ministry of Foreign Affairs and Trade
77, Sejong-ro, Chongro-ku
Seoul 110-760, Republic of Korea
Tel: (82-2) 725-0789
Fax: (82-2) 722-7581
E-mail: mofatenv@chollian.net

Russian Federation

Mr. Yuri A. PLATONOV

Deputy Head, Department of International Cooperation
State Committee of the Russian Federation on
Environmental Protection
B. Gruzinskaya Str. 4/6
Moscow, Russian Federation
Tel: (7-095) 254-7301
Fax: (7-095) 254-8283

Mr. Andrei TEREENTIEV

Project Coordinator
Center for International Projects
Pervomaiskaya, Str. 58B
P.O. Box 165, Moscow, Russian Federation
Tel: (7-095) 165-6381
Fax: (7-095) 165-0890
E-mail: cip.rus@cityline.ru

Dr. Anatoly N. KACHUR

Deputy Director, Pacific Institute of Geography
Far-Eastern Branch of Russian Academy of Sciences
7 Radio Street
690041 Vladivostok, Russian Federation
Tel: (7-4232) 31-2833
Fax: (7-4232) 31-2833

II. United Nations System and Other Organizations

United Nations Environment Programme (UNEP)

Mr. Takehiro NAKAMURA

Programme Officer, Technical Cooperation Unit
Division of Policy Implementation
United Nations Environment Programme
P.O. Box 30552, Nairobi, Kenya
Tel: (254-2) 623886
Fax: (254-2) 624249
E-mail: Takehiro.Nakamura@unep.org

Ms. Mary MUTHAMIA

Secretary, Technical Cooperation Unit
Division of Policy Implementation
United Nations Environment Programme
P.O. Box 30552, Nairobi, Kenya
Tel: (254-2) 623891
Fax: (254-2) 624249
E-mail: Mary.Muthamia@unep.org

United Nations Development Programme

Ms. Machiko KAMIYA

Programme Officer
Environment and Energy Center
UNDP, Beijing Office
2 Liangmahe Nanlu
Beijing 100600, People's Republic of China
Tel: (86-10) 6532-3731 Ext. 215
Fax: (86-10) 6532-2567
E-mail: ka@public.un.org.cn

Intergovernmental Oceanographic Commission of UNESCO

Mr. Maarten W.M. KUIJPER

c/o National Research Council Thailand
Intergovernmental Oceanographic Commission
Sub-Commission for Western Pacific (IOC/WESTPAC)
196 Phaholyothin Road
Chatujak, Bangkok, 10900, Thailand
Tel: (66-2) 561-5118
Fax: (66-2) 561-5119
E-mail: westpac@samart.co.th

III. Observers

Mr. Yoshiake SHINHARA

Vice-Governor, Toyama Prefectural Government
1-7, Shinsougawa, Toyama-city
Toyama 930-8501, Japan
Tel: (81-764) 44-9611
Fax: (81-764) 44-9621
E-mail: yoshiake.shinhara@pref.toyama.jp

Mr. Kansuke SHIMADA

Director, Japan Sea Region Policy Division
Planning Department
Toyama Prefectural Government
1-7, Shinsougawa, Toyama-city
Toyama 930-8501, Japan
Tel: (81-764) 44-9610
Fax: (81-764) 44-9612
E-mail: kansuke.shimada@pref.toyama.jp

Mr. Hiromichi NAKAMURA

Deputy General Manager, Singapore Office
The Japan Association of Marine Safety
120 Tanjong Rhu Road
#14-03 Casuarina Cove, Hong Leong Building
Singapore 048581
Tel: +65-226-1231
Fax: +65-226-1219
E-mail: tjams@mbox2.singnet.com.sg

Mr. Masamitsu ORITANI

Executive Director (Secretary-General)
Northwest Pacific Region Environmental Cooperation Center
7-18 Azumicho
Toyama City 930-0094, Japan
Tel: (81-764) 45-1571
Fax: (81-764) 45-1581
E-mail: oritani@npec.or.jp

Mr. Masayuki OZAKI

Staff Member, International Cooperation Division
Northwest Pacific Region Environmental Cooperation Center
7-18 Azumicho
Toyama City 930-0094, Japan
Tel: (81-764) 45-1571
Fax: (81-764) 45-1581
E-mail: Ozaki@npec.or.jp

**Opening Statement on Behalf of Mr. Klaus Toepfer,
Executive Director, United Nations Environment Programme (UNEP)**

by

**Takehiro Nakamura
Programme Officer, Technical Cooperation Unit
United Nations Environment Programme**

Distinguished Delegates, Ladies and Gentlemen,

I am both honoured and delighted to be here today to address you on behalf of Mr. Klaus Toepfer, UNEP Executive Director, on this occasion of the Fourth Intergovernmental Meeting on the Northwest Pacific Action Plan (NOWPAP). I also wish to express my sincere gratitude to and appreciation for the Government of the People's Republic of China that kindly offered to host this meeting, particularly, the State Environmental Protection Administration, which undertook both local logistic arrangements and support for organization of this meeting.

Ladies and Gentlemen,

It has been four and half years since the Northwest Pacific Action Plan (NOWPAP) was adopted in September 1994 in Seoul, Republic of Korea. During this period, specific activities have been undertaken in various fields in support of NOWPAP, including data and information management, survey of legislation, strategies and objectives, regional monitoring, marine pollution preparedness and response, and establishment of regional activity centres.

The national reports on the state of the marine, coastal and associated freshwater environments also are being finalized. There is relevant information in all of them. The Chinese report, for example, specifically indicated that the coastal areas of the Yellow Sea in China have the population of 41.9 million, and that there is a total sewage discharge from 63 discharge points of 1.094 billion tonnes per annum. The Republic of Korea reported an increased occurrence of red tides along the south coast recent years. The Russian report points out the regional implication of atmospheric pollution which can also affect the marine environment, at the same time, that the current pollution discharge in the Russian Federation is decreasing. The Japanese report emphasized a need for international cooperation, as well as training and education. Our memory is still fresh in regard to the unfortunate Nakhodha accident which took place in January 1997, causing the estimated oil spill of 6,240 kl and leading to serious threats to important habitats of coastal ecosystems, fisheries and other marine products.

Because of these reports, it is now more evident what environmental problems and potential threats do exist in the region and what activities should be considered for the future. In this connection, I am pleased to recognize that the Meeting of Experts and National Focal Points was organized and agreed to recommend to the present Intergovernmental Meeting a workplan and budget for the 1999/2000 biennium. I believe that specific cooperative actions are being initiated to address identified issues and problems in the marine and coastal environments in the Northwest Pacific region.

With regard to the institutional and financial set-up for NOWPAP, I am pleased to note that the NOWPAP member States are attaching increasing importance to this regional programme, and making their best efforts to establish a more strengthened framework for implementation of the programme. A

particular example of these efforts is the ongoing discussion on the establishment of a network of the Regional Activity Centres. I hope that this discussion can even be concluded at this Intergovernmental Meeting. Once established, this network will provide a mechanism for implementation of specific components of the Action Plan, in cooperation with relevant international and regional organizations.

The member States are also discussing establishment of a Regional Coordinating Unit (RCU), which will function as the secretariat for implementation of the Action Plan. In this regard, I would like to bring to the attention of the member States necessary background for them to decide on its establishment, particularly, a more rigid and sustainable framework of contributions from the member States to the NOWPAP Trust Fund, as well as stronger commitments of the member States in implementation of the programme.

Of particular importance is a future agreement among the member States on a longer-term scale of contributions to the Trust Fund. Such a contribution scale would allow a longer-term and more sustainable strategy of implementation of the Action Plan to be established.

Last year was designated as the International Year of the Ocean. This year, the Commission on Sustainable Development in April in New York will focus, among others, on the issues of oceans and Small Island Developing States. Thus, the international community is paying even greater attention to marine and coastal environmental issues.

In closing, I would like to congratulate you on the progress made in implementation of the Action Plan, and to reassure you UNEP's continuous support for the implementation of this important Action Plan.

I sincerely wish us all a very fruitful discussion.

Thank you for your attention.

**Opening Speech
at the Fourth Intergovernmental Meeting
on the Northwest Pacific Action Plan (NOWPAP)**

by

**Mr. Zhu Guangyao
Vice-Minister, State Environmental Protection Administration
People's Republic of China**

Good Morning,
Ladies and Gentlemen,

The Fourth Intergovernmental Meeting on the Northwest Pacific Action Plan is now open in this flourishing and promising spring. May I express, on behalf of the Chinese Government and State Environmental Protection Administration, our sincere congratulations to the convening of the Fourth Intergovernmental Meeting on the Northwest Pacific Action Plan, and also extend our warm welcome to the distinguished representatives and experts from Japan, Republic of Korea and Russian Federation as well as China.

Peace and development have now become two main themes of the world. To protect the ecological environment and achieve sustainable development has become an urgent and arduous task for the whole world. As a developing country, China always regards environmental protection as one basic state policy. Since the adoption of opening up and reform, sustained progress has been made in China's environmental protection. A legislative system in line with the national condition has been basically established so that the environmental protection work has embarked on the trail of management in accordance with laws. Pollution prevention and control has gradually turned into the way of control from sources, total amount control of discharged pollutants and cleaner production; the large-scaled pollution prevention and control focused on some key rivers, lakes and areas is now being carried out; ecological protection has just begun with the nature reserves and biological protection strengthened. Generally speaking, the drastically deteriorating situation of environmental quality with rapid economic growth has been avoided, environmental protection has played an active role in promoting reform, opening up and modernization.

However, it should also be noted that the current environmental situation is still severe. Along with economic development, population growth and facilitating urbanization process, the pressure on environment and resources has further increased, and the environmental protection task becomes even heavier.

The Chinese Government attaches great importance to marine environmental protection. In recent years, the Chinese Government has formulated a series of laws and regulations like the "Law on Marine Environmental Protection", which provide forceful environmental framework for marine environmental protection; it further reinforced the management of key pollution sources and effectively alleviated the pressure of land-based pollution on marine environmental protection by strictly implementing environmental management system, such as "environmental impact assessment", "three simultaneousness" (which means simultaneous planning, implementation and development of economic, social and environmental benefit) and "levying pollution discharge fee"; it further strengthened the scientific management of marine environmental protection by carrying out the regional planning of offshore marine areas in line with different

functions, established environmental monitoring network in offshore marine areas and conducted investigation and monitoring of offshore marine environment. However, due to various reasons, the situation of the offshore marine environment is far from satisfying.

NOWPAP is one component of the regional seas programme of environmental protection initiated by UNEP. Its implementation would promote the international cooperation of marine environmental protection among various coastal countries in this region, and enable the member States to bear their respective responsibilities and conduct joint research to protect this marine area that we share. After years' efforts made by all the member States, NOWPAP has now turned into the phase of concrete implementation. This is the result of our common effort. However, we should also note that the financial issues which are crucial to the implementation of this action plan have not been resolved yet. The key to solution is to seek investment from multi-resources and developing member states' taking their responsibilities. I believe that, after the coordination and cooperation of the participants, the priority projects set by NOWPAP would be fully implemented. This is of great significance to promote the wide exchange and consultation among the member States in the field of marine environmental protection and facilitate the implementation of NOWPAP.

We share the common responsibility to protect the marine environment of the Northwest Pacific region. The Chinese Government is fully aware of our own responsibility and duty. We are willing to collaborate with other member States to work for better solution and make due contributions to promote the implementation of NOWPAP.

Lastly, I wish a complete success of the meeting and wish all the guests a pleasant stay in China. Thank you all.

**Opening Statement
at the Fourth Intergovernmental Meeting on NOWPAP**

by

**Mr. Nobuyuki Sugimoto
Minister of the Japanese Embassy in China**

Distinguished Delegates, Ladies and Gentlemen,

I would like to say a few words at this Fourth Intergovernmental Meeting on behalf of the Japanese Government.

First of all, I would like to express our sincere appreciation to the Government of China as the host country and to the UNEP Secretariat for organizing this meeting and making thorough preparations.

Regarding the Northwest Pacific Action Plan, five years have now passed since the action plan was adopted at the First Intergovernmental Meeting, which was held in the Republic of Korea in 1994. During this period, the participating countries have made immense efforts, and much progress has been seen in each field of activities.

At this Fourth Intergovernmental Meeting, the location of Regional Activity Centres, which will organize the various activities, will be discussed and decided, and there will also be discussions on the Terms of References and establishment procedures of the Regional Coordinating Unit (RCU), which will be set up in the future.

Regarding the Regional Activity Centres, Japan has expressed its intention to host the Data and Information Network Regional Activity Centre (DIN-RAC) and the Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (CEA-RAC). I would like to emphasize here again that Japan would definitely like to have these centres located in Japan.

Regarding the Regional Coordinating Unit, at the Meeting of Experts and National Focal Points held in January of this year, Japan explained that it was carrying out basic studies towards making a bid for the RCU and announced its offer to establish the RCU, since Japan has much experience and knowledge concerning marine environment protection, including the implementation of marine pollution monitoring; marine pollution prevention activities in international organizations, such as the International Maritime Organization (IMO); marine pollution response; and reduction of the pollutant load from land-based activities. I would like to take this opportunity to repeat that Japan is very keen to invite the RCU be set up in Japan.

In this connection, the Vice-Governor of Toyama Prefecture, where Japan hopes to locate the RCU, is attending this meeting as an observer.

As I just said, the smooth implementation of NOWPAP activities in general is essential for marine environment protection in the Northwest Pacific region. For this purpose, the RACs, which will be established at this meeting, must be put on the rails as soon as possible, and the RCU, which will serve as a kind of headquarters with general command over the RACs, should be set up also as soon as we can. I ask other countries for their understanding and support for Japan's bid to host the RCU.

Finally, I would like to close this statement with the hope that this meeting will be a fruitful one and that we are able to build cooperative arrangements in this region without delay.

Thank you.

**Opening Statement
at the Fourth Intergovernmental Meeting on NOWPAP**

by

**Soon-Taik Hwang
Counsellor, the Embassy of the Republic of Korea in China**

Mr. Chairman, Distinguished Delegates, Ladies and Gentlemen,

First of all I would like to take this opportunity to express my sincere gratitude to the UNEP and the Chinese Government for their warm hospitality and excellent organization of the Fourth Intergovernmental Meeting.

Since it was first held in Seoul in 1994, this Meeting has developed into one of the most important fora in the Northwest Pacific region for the promotion of coastal and marine environmental cooperation.

In retrospect, we, the NOWPAP member States, have made painstaking endeavours to put the NOWPAP into practice so as to achieve its goal of the wise use, development and management of the coastal and marine environment of this region.

Progress has been made through a series of NOWPAP Meetings. In particular, NOWPAP projects from the first phase have been successfully implemented under the guidance of UNEP.

Mr. Chairman,

The States represented at this meeting face the task of resolving several issues, including the financial issue of the scale of contributions to the NOWPAP Trust Fund, and the establishment of a network of Regional Activity Centres. I wish to take this opportunity to make some comments on these outstanding issues.

Regarding financial arrangements, and more specifically, the scale of contributions to the Trust Fund, the Republic of Korea would like to emphasize the importance of determining a permanent scale of contributions to the Trust Fund as early as possible. Even though every State has its own views, we believe a fair and equitable solution can be found on the basis of two principles; the principle of common participation and shared responsibility.

Moreover, the contribution scale for the NOWPAP Trust Fund should be comprised of a basic and additional components. The first one reflects equal participation and equal burden-sharing, while the second should be based on the "capacity to pay" reflected in the UN assessment scale.

Considering our experience with NOWPAP Meetings, we are well-aware of how difficult it is to reach an agreement regarding the burden-sharing matter. Nevertheless, NOWPAP's significant role in the next millennium is dependent upon the development of a stable and solid financial mechanism.

Along with the financial arrangements, a network of Regional Activity Centers (RACs) constitutes another pillar of support for the implementation of NOWPAP. The Republic of Korea has issued a long-standing invitation to the Activity Center for Marine Pollution Preparedness and Response (MER-RAC) to

set up office in the Republic of Korea. I would like to take this opportunity to emphasize that a decision regarding a network of RACs be made at this meeting and it be established at the earliest possible date, hopefully immediately after the conclusion of this meeting.

In terms of the Regional Coordinating Unit (RCU), the Republic of Korea delegation is of the opinion that the RCU should be established when sufficient NOWPAP funds contributed by member States become available. In the meantime, NOWPAP should continue to enlarge its activity and to review the possible establishment of a Regional Coordinating Unit, as well.

At this Meeting, we will also review and adopt the workplan and budget for 1999 and 2000 which was reviewed during the Meeting of Experts and National Focal Points in Bangkok last January. We believe that documents prepared by the Secretariat were well done. The Republic of Korea would urge, however, that participating countries and the Secretariat play a more proactive role in implementing NOWPAP programmes and make a greater effort to use and manage resources in a more cost-effective manner.

In this context, the Republic of Korea believes this meeting is highly significant, heralding a new phase for NOWPAP in which it can enjoy the fruits of programmes already implemented by NOWPAP. It is up to us to work closely among the member States, and to work out an expeditious agreement on all the agendas.

Mr. Chairman,

I am sure that with the pooled cooperation and wisdom of all participants, we will overcome all potential obstacles and difficulties and make concrete and substantial progress towards the preservation of the marine environment of the region.

In closing, I hope that this meeting will prove very successful and fruitful.

Thank you.

**Opening Statement at the Fourth Intergovernmental Meeting on NOWPAP
by the Russian Federation**

By

**Yuri A. Platonov
Deputy Head of Department
State Committee of the Russian Federation on Environmental Protection**

Distinguished Delegates, Ladies and Gentlemen,

I am honoured to be here and to represent the Russian Federation on the occasion of the Fourth Intergovernmental Meeting on the Northwest Pacific Action Plan (NOWPAP). I wish to express sincere gratitude to the Government of the People's Republic of China that kindly offered to host the meeting, and in particular, to the State Environmental Protection Administration, that organized it.

Ladies and Gentlemen,

Almost five years have passed since the adoption of NOWPAP in September 1997 in Seoul, Republic of Korea. Great progress has been made during that period of time in several major fields of NOWPAP activity – information and data collection, survey of legislation, regional monitoring of marine and coastal environment, joint efforts in marine pollution preparedness and response, establishment of a network of thematic regional activity centres.

Russian Federation recognizes great importance of NOWPAP as an international instrument for improving marine and coastal environment in the region.

Major environmental issues and relevant approach for addressing them were formulated in the national reports prepared within the framework of NOWPAP.

In its efforts to enhance capacity building, Russian Federation established Regional Activity Centre on Pollution Monitoring in Vladivostok and will make every effort in all other thematic fields of activity for implementation of NOWPAP.

Let me wish a success to the participants of the Intergovernmental Meeting and fruitful discussion of its major items.

Thank you.

**Statement by the Head of the Chinese Delegation
at the Fourth Intergovernmental Meeting
on Northwest Pacific Action Plan (NOWPAP)**

Dear Participants,

It is a great pleasure for the Chinese Delegation to participate in the Fourth Intergovernmental Meeting on NOWPAP. As the hosting country, we would like to welcome our colleagues from Japan, Republic of Korea and Russian Federation, and are looking forward to a fruitful discussion and exchange of views on the issues of common concern, with the aim of promoting the development of NOWPAP.

Dear Participants,

At this meeting, we would review the progress made since the Third Intergovernmental Meeting on NOWPAP, examine and adopt the work programme and budget for the years 1999/2000, the establishment of the four Regional Activity Centres, the future establishment of the Regional Coordinating Unit, and above all, the tough issue which concerns us most, that is, to make decision on the scale of contribution of 1999 and negotiate about that of 2000 and thereafter. The past Third Intergovernmental Meeting has provided good basis for our discussion. All the member states have been fully aware of the great significance of the protection of marine environment and ecological resources in NOWPAP region in the promotion of regional economic development and social stability, and therefore, expressed the common wish to bear the corresponding responsibilities and duties.

The scale of contribution is one of the important issues at this meeting. It is our view that the agreement reached on the Meeting of Experts and National Focal Points on 19-21 January 1999 in Bangkok that "the scale of contribution used for 1998 could be applied for the 1999 contribution" reflected the wish of all member States. In view of the influence brought about by the Asian financial crisis last year, we consider this decision as feasible and in line with the actual situation.

The Chinese delegation agrees with the Secretariat and other States that further and detailed discussion on the scale of 2000 and thereafter should be carried out, and on this issue, we would like to make some comments as follows:

NOWPAP is one component of UNEP regional seas programme and a part of global environmental issues. As a developing country, China has made the utmost efforts to protect the environment and ocean, take our own responsibility and duty, and make great contribution to global environmental protection, while developing the economy. However, it should also be noted that China is the poorest country among the NOWPAP member States. The per capita GDP in 1997 was only US\$ 782, and therefore, it is impossible for China to bear the responsibility and duty which is not in line with the social and economic development in terms of global environmental affairs. It has been clearly stated in "Rio Declaration", the document which has been widely accepted by the international community to give guidance on international development and cooperation of environmental affairs, I quote, "*in view of the different contributions to global environmental degradation, States have common but differentiated responsibilities. The developed countries acknowledge the responsibilities that they bear in the international pursuit of sustainable development in view of the pressures their societies place on the global environment and of the technologies and financial resources they command*". It is our view that the principle of "common and differentiated responsibilities" should be taken into full account when discussing this issue

Regional cooperation is based on voluntary nature. The "voluntary nature" is the basic principle for participating in NOWPAP activities, including the scale of contribution to NOWPAP Trust Fund. This principle has been confirmed and reiterated in the First, Second and Third Intergovernmental Meetings on NOWPAP. Although it is "voluntarily" based, our opinion is that, so long as a government delegation makes a commitment on voluntary basis, they should take the obligation to earnestly honour their commitment. The Chinese Government has always been following this principle and would continue to do so in the future.

The NOWPAP Trust Fund is the main financial resources for carrying out NOWPAP activities. Judging from the present scale of contribution of all member States, the targeted scale of NOWPAP Trust Fund has yet to be reached. Our delegation would like to assume an active attitude and have fruitful discussion with the colleagues present in hope of finding out a feasible solution. For your reference, I would like to present the financial arrangements of Environmental Cooperation in North-East Asia. The Fifth Meeting of Senior Officials on Environmental Cooperation in North-East Asia was held on 25-27 February in Kobe, Japan. China, Japan, Mongolia, Republic of Korea and Russian Federation participated in that meeting. The meeting agreed with consensus on financial arrangements for a Trust Fund, which assume financial support for activities of that sub-regional environmental cooperation programme. The financial arrangement identified 5 sources:

- a) Participating parties' voluntary contribution in cash or in kind or both;
- b) Collaborating agencies on a project funding basis;
- c) Bilateral and multilateral donors contributions;
- d) Private sector on a project funding basis; and
- e) Other contributions.

Concerning the establishment of Regional Activity Centres of NOWPAP priority projects, our delegation would like to share with you the following opinion:

As it is known to all, the Chinese Government has formally submitted our invitation for hosting the DIN/RAC of NOWPAP/1 at the Second Intergovernmental Meeting held in 1996, and reaffirmed such invitation in a series of meetings thereafter, including, the Third Intergovernmental Meeting held in 1998, the Expert Workshop of NOWPAP/1 held in July 1998, and the Meeting of Experts and National Focal Points held in January 1999. We are glad to note that our request has been recognized by the participating countries.

We also noted with great pleasure from the document for this meeting that, each of the present four participating states would have the chance to host one regional activity centre. This would provide a good opportunity for tapping the advantages of relevant agencies in each member State and promoting the implementation of NOWPAP priority projects.

According to the proposal submitted by the Chinese Government at the Third Intergovernmental Meeting to host the DIN/RAC, such a centre would be located in the Information Center of State Environmental Protection Administration of China. In accordance with its Terms of References of DIN/RAC, the Center will provide service to facilitate the smooth implementation of NOWPAP/1. Meanwhile, it would strengthen the linkage and close cooperation with other NOWPAP member States to pool resources. In addition, the Center would provide service to other RACs for their smooth operation.

Lastly, dear Delegates, our delegation is looking forward to fruitful and full cooperation with all of you.

Thank you all.

ANNEX III

LIST OF DOCUMENTS

Working Documents

UNEP(WATER)/NOWPAP IG.4/1	Provisional Agenda
UNEP(WATER)/NOWPAP IG.4/2	Annotated Provisional Agenda
UNEP(WATER)/NOWPAP IG.4/3	Report of the Executive Director of UNEP on the Implementation of the Northwest Pacific Action Plan
UNEP(WATER)/NOWPAP IG.4/4	Scale of Contributions from the Member States to the NOWPAP Trust Fund
UNEP(WATER)/NOWPAP IG.4/5	Proposed Establishment of Network of Regional Activity Centres
UNEP(WATER)/NOWPAP IG.4/6	Future Establishment of a Regional Coordinating Unit for the Northwest Pacific Action Plan
UNEP(WATER)/NOWPAP IG.4/7	Report of the Meeting
UNEP(WATER)/NOWPAP IG.4/8	Draft Resolutions

Information Documents

UNEP(WATER)/NOWPAP IG.4/Inf.1/Rev.1	Provisional List of Documents
UNEP(WATER)/NOWPAP IG.4/Inf.2/Rev.1	Provisional List of Participants
UNEP(WATER)/NOWPAP IG.4/Inf.3	Proposed Establishment of Regional Coordinating Unit for Northwest Pacific Action Plan (submitted by Japan)
UNEP(WATER)/NOWPAP IG.4/Inf.4/Rev.1	Proposed Change for Document UNEP(WATER)/NOWPAP IG.5/5: Proposed Establishment of Network of Regional Activity Centers (submitted by Japan)

Reference documents

UNEP(WATER)/NOWPAP IG.3/7	Report of the Third Intergovernmental Meeting on NOWPAP (Vladivostok, 9 April 1998)
---------------------------	---

- UNEP/IMO/NOWPAP WG.10/13
Report of the Second NOWPAP Forum on Marine Pollution Preparedness and Response (Taejon, 15-17 April 1998)
- UNEP/IOC/NOWPAP WG.11/3
Report of the Expert Workshop on Establishment of a Collaborative, Regional Monitoring Programme (Vladivostok, 1-3 July 1998)
- UNEP/IOC/NOWPAP WG.12/3
Report of the Expert Workshop on Establishment of a Comprehensive Database and Information Management System (Beijing, 6-8 July 1998)
- UNEP(WATER)/NOWPAP WG.13/9
Report of the Meeting of Experts and National Focal Points on the Northwest Pacific Action Plan (Bangkok, 19-21 January 1999)
- NOWPAP Publication No.1
Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region
- NOWPAP Publication No.4
National Reports on Marine Pollution Preparedness and Response in the Northwest Pacific Region
- Regional Seas Programme
- Report of the Informal Expert Meeting on Regional Cooperation in Marine Pollution Preparedness and Response in the NOWPAP Region (Toyama, 9-10 September 1998)

ANNEX IV

AGENDA

1. Opening of the meeting
2. Organization of the meeting
 - 2.1 Election of the officers
 - 2.2 Organization of work
 - 2.3 Programme and timetable
3. Adoption of the Agenda
4. Report of the Executive Director on the implementation of the Northwest Pacific Action Plan
5. Scale for contribution to the NOWPAP Trust Fund
6. Review and adoption of the proposed Workplan and Budget for the 1999/2000 biennium
7. Review and adoption of the proposed establishment of network of Regional Activity Centres
8. Future establishment of a Regional Coordinating Unit
9. Preparation for the Fifth Intergovernmental Meeting
10. Other matters
11. Report on the credentials
12. Adoption of the report of the meeting
13. Closure of the meeting

UNITED
NATIONS



United Nations
Environment Programme



UNEP



International Maritime
Organization

Distr.
GENERAL

UNEP/IMO/NOWPAP/WG.10/9/Rev.1
17 April 1998

ORIGINAL: ENGLISH

NORTHWEST PACIFIC ACTION PLAN FORUM ON MARINE
POLLUTION PREPAREDNESS AND RESPONSE

Second Meeting
Taejon, Republic of Korea, 15-17 April 1998

PROPOSED ACTIVITIES FOR THE SECOND PHASE OF NOWPAP/4

PROPOSED ACTIVITIES FOR THE SECOND PHASE OF NOWPAP/4

I. BACKGROUND

1. The activities and budget for the first phase of NOWPAP/4: Development of effective measures for regional cooperation in marine pollution preparedness and response was adopted at the Second Intergovernmental Meeting, 20 November 1996, Tokyo, Japan in the form of the Programme Document (ANNEX V of UNEP(WATER)/NOWPAP IG.2/5).
2. Based on the agreed programme for NOWPAP/4, the first Forum Meeting was held to launch the NOWPAP Forum on Marine Pollution Preparedness and Response, 23-25 July 1997, Toyama, Japan.
3. The Second Forum Meeting has been held during 15-17 April 1998, Taejeon, Republic of Korea.
4. The Fourth Intergovernmental Meeting on NOWPAP is planned to be organized later 1998 or in the beginning of 1999. This Intergovernmental Meeting is to discuss and approve the Workplan and Budget for the biennium 1999/2000. Prior to this Intergovernmental Meeting, a Meeting of Experts and National Focal Points will be held to discuss the Workplan and Budget for 1999/2000.
5. The NOWPAP/4 First Phase is supposed to be completed by the Third Forum Meeting (to be completed in 1998) in the Russian Federation, and to prepare a proposal for activities and budgets for the NOWPAP/4 PHASE II. The second Forum meeting is expected to recommend a proposal to the future meetings to discuss the Workplan and Budget for the next phase.
6. It is also anticipated that network of Regional Activity Centres (RAC's) will be established earlier 1999. As part of this network, a Regional Activity Centre on Marine Pollution Preparedness and Response will also be established.

II. PROPOSED ACTIVITIES FOR THE PHASE II OF NOWPAP/4

7. The Forum is expected to complete within 1998 the agreed initial tasks identified in the Programme Document. The NOWPAP/4 PHASE II will start in January 1999 after the Third Forum Meeting.
8. The Forum is anticipated to complete all the work in preparation for a NOWPAP regional contingency plan, of which outline was in principle agreed at the First Forum meeting (paragraph 45 of NOWPAP/WG.8/5).
9. To the Fourth Forum Meeting to be held in the People's Republic of China, a wide range of experts from the NOWPAP member States will be invited to finalize the NOWPAP regional contingency plan, and to discuss necessary arrangements to implement it.
10. The intersessional work after the Third Forum Meeting will be devoted to development of a regional Memorandum of Understanding, as well as continuation of research and development priorities. It is proposed, in line with paragraph 8 of the Terms of Reference, that an expert advisory group be established and meet in this intersessional period. This expert advisory group would be composed of two experts from each of the member States (one technical expert and another on legal issues) to discuss the content of a regional Memorandum of Understanding.
11. The Forum will be devoted, at its third meeting and onward, to discussion on the draft MOU and to further development of work on research and development issues.

12. It is also proposed that development of a NOWPAP/4 home page be established, to store and disseminate the results of the NOWPAP/4 PHASE I, including information on, e.g. marine pollution preparedness and response experts, equipment, training, etc. The home page should also be designed to include recent news so that information on recent events under NOWPAP/4 and other international/regional events relevant to marine pollution preparedness and response can easily be distributed. Development of a home page will be coordinated with activities under NOWPAP/1.

13. The following workplan and timetable is proposed:

Months ^{*)}	Activities	Responsible Organization ^{**)}
1 - 7	Intersessional work after the Third Forum Meeting (finalization of the draft contingency plan, preparation of a draft MOU, research and development priorities, etc.)	Forum members coordinated by Forum Chair
4	convening of an expert advisory group meeting	UNEP, IMO
6	Establishment of a Regional Activity Centre on Marine Pollution Preparedness and Response (RAC)	UNEP, RAC
8	Fourth Forum Meeting	P.R. China, UNEP, IMO, RAC
9 - 15	Intersessional work	Forum members coordinated by Forum Chair and RAC
10 - 12	Development of a NOWPAP/4 home page	consultant, RAC, UNEP, IMO
16	Fifth Forum Meeting	host Government, RAC, UNEP, IMO
17 - 23	Intersessional work	Forum members coordinated by Forum Chair and RAC
24	Sixth Forum Meeting	host Government, RAC, UNEP, IMO

*) This column shows the number of months elapsing since the PHASE II is started.

***) As necessary, other agencies will take responsibility.

15. The proposed budget for NOWPAP/4 PHASE II is as follows:

The Fourth Forum Meeting US\$30,000
 (participation of two individuals will be financed from each of the NOWPAP members States, except the host State)

Convening of an expert advisory group meeting US\$30,000
 (participation of two individuals will be financed from each State: one technical expert, and another on legal issues)

Consultancy for development of a NOWPAP/4 home page (2 p/m)	US\$10,000
Fifth Forum Meeting (participation of two individuals will be financed from each of the NOWPAP member States, except the host State)	US\$30,000
Sixth Forum Meeting (participation of two individuals will be financed from each of the NOWPAP member States, except the host State)	US\$30,000
Consultancy (4 p/m) (commissioning of reports on specific research and development issues identified by the Forum)	US\$20,000
PHASE II GRAND TOTAL	US\$150,000

The budgets for the Forum and expert advisory group meetings include budget for support for participation of the Democratic People's Republic of Korea.

16. Necessary follow-up activities to PHASE II will be identified at the end of PHASE II and will be implemented in PHASE III.

**NOWPAP/6:
Public Awareness Raising on the Marine, Coastal
and Associated Freshwater Environment**

I. Introduction

1. The Second Intergovernmental Meeting on NOWPAP was held in Tokyo on 20 November 1996, and finalized the preparation for implementation of the Action Plan. Based on the Programme and budget adopted at this meeting, the following five priority projects are being implemented:

NOWPAP/1	Establishment of a comprehensive database and information management system;
NOWPAP/2	Survey of national environmental legislation, objectives, strategies and policies;
NOWPAP/3	Establishment of a collaborative, regional monitoring programme;
NOWPAP/4	Development of effective measures for regional cooperation in marine pollution preparedness and response; and
NOWPAP/5	Commence the establishment of regional activity centres and their networks.

2. Under the PHASE I of NOWPAP/3, issues relevant to the marine, coastal and associated environments were identified in respective National Reports on the state of the marine, coastal and associated freshwater environments.

3. The environmental degradation in the marine and coastal areas is closely linked with anthropogenic activities, particularly land-based activities. In this sense, day-to-day human activities are linked with the quality and health of the marine and coastal environment, but such linkages are not easily understood due largely to the physical distance between the land-based activities and the marine and coastal areas.

4. In this sense, efforts to protect and manage the marine and coastal environments should be made at various levels of stakeholders, in particular, at the level of day-to-day life of the citizens in the region. Therefore, raising public awareness on the significance of the marine and coastal environment and its degradation is of primary significance.

5. Particularly, for the contiguous water bodies, environmental management and resource use in one State may affect the state of the marine environment in another State. Therefore, public awareness raising is deemed more effective when done by the littoral States in a cooperative manner.

6. From this perspective, UNEP submitted a proposal to the Third Intergovernmental Meeting (Vladivostok, 9 April 1998) for public awareness raising in connection to the International Year of the Ocean, i.e., translation and publication of an 'Ocean' book, and preparation and distribution of posters. However, the proposed activities were not carried out due primarily to delay in preparation of the English version of the 'Ocean' Book.

7. At the Preparatory Meeting of Experts and National Focal Points, a member State indicated that public awareness raising should be carried out in a systematic manner with sufficient preparation.

8. UNEP would like to submit a proposal on this issue to organize public awareness raising whenever funds become available.

II. Proposed activities

Activity 1: Preparation of the public awareness materials

9. UNEP in cooperation with Living Earth (a Foundation in London) is preparing a book on 'Ocean' with many pictures in English, targeting the youth groups (up to 16 years old). This materials will be useful in understanding the marine environment and its ecosystems. It is proposed that translation and publication of the 'Ocean' book be carried in Japanese, Korean, Chinese and Russian, so that the book can be used for educational purposes. UNEP East Asian Seas Action Plan produced an education booklet for protection of the marine environment (targeting the youth group). The booklet aims at providing measures that can be taken on a daily life basis. It is also proposed that revision of this booklet be carried out, taking into consideration specific features of the marine and coastal environment in the NOWPAP region. Further, translation and publication of this booklet will be conducted in Japanese, Chinese, Korean and Russian.

10. It is proposed that production of posters of general nature be produced. This is for general distribution (government institutions, educational institutions, environmental and public interest groups), using the children's paintings (from the children's painting competitions organized by UNEP and Foundation for Global Peace and Environment in Japan) in order to promote the Northwest Pacific Action Plan (NOWPAP). UNEP has already initiated to produce such posters using its own funds (Environment Fund). Further, poster for education purposes can be produced, detailing land-based sources of pollution, exploitation of living or non-renewable resources, and/or cultural linkages, etc. Such educational posters can be used together with the 'Ocean' book and educational booklet at primary and secondary schools.

11. UNEP and TVE (Television Trust for the Environment) have initiated, using the UNEP Environment Fund, production of a video clip outlining the environmental situations and problems in the NOWPAP region in English. Such a video clip can be used at secondary schools and through mass media so that the populations in the region will widely know the environmental status and problems in the region. It is proposed that other language versions (Japanese, Chinese, Korean and Russian) of this video clip be produced based on the English version, subject to availability of funds.

12. All the materials are to be designed as a package so that the materials altogether can create the maximum public awareness raising effects.

Activity 2: Organization of regional public awareness campaign

13. For the materials produced for educational purposes, each National Focal Point on NOWPAP is requested to nominate a contact institution to organize network of selected schools to use the materials as pilot activities. Possible partners for this network are UNESCO commissions and UNEP INFORTERRA networks. The materials will also be digitized and transmitted through the internet network.

14. With regard to general posters, they are delivered to relevant institutions involved in NOWPAP activities. The video clip will be shown in various regional meetings, including NOWPAP Intergovernmental Meetings.

Activity 3: Evaluation of effects of the public awareness campaign

15. After the specific duration of public awareness activities, UNEP will send questionnaire in order

to evaluate effectiveness of the public awareness activities.

III. Budget and timeframe:

16.	Translation and publication of the 'Ocean' book (under the assumption that the co-finance can be obtained)	US\$25,000
	Educational booklet (preparation, translation, and publication)	US\$30,000
	General posters	US\$5,000
	Educational posters (design and production)	US\$10,000
	Production of video clip	US\$25,000=-

Timeframe:

17.	Translation and publication of the 'Ocean' book (under the assumption that the co-finance can be obtained)	eight months
	Educational booklet (preparation, translation, and publication)	eight months
	General posters	three months
	Educational posters (design and production)	five months
	Production of video clip	five months
	Organization of public awareness activities	eight months
	Evaluation	two months

18. UNEP has already provided from its Environment Fund US\$25,000 for production of a video clip and general posters. Production of other materials are only possible when funds become available from financial sources external to the NOWPAP Trust Fund. Public awareness activities can be organized when a sufficient amount of materials are prepared and produced.

ANNEX VI

WORKPLAN AND BUDGET FOR IMPLEMENTATION OF THE NORTHWEST PACIFIC ACTION PLAN
IN THE BIENNIUM 1999-2000

1. The workplan has been prepared based on the proposals for the next phase of the priority projects (ANNEX IV of UNEP/IOC/NOWPAP WG.12/3, ANNEX IV of UNEP/IOC/NOWPAP WG.11/3 and ANNEX VI of UNEP/IMO/NOWPAP WG.10/12).
2. Before establishment of Regional Activity Centres, UNEP and UN specialized agencies will function as implementing organizations.
3. The support from the UNEP Environment Fund is subject to availability of funds and to the decision of the UNEP Governing Council at its twentieth session.
4. All the budgetary figures are of indicative nature for the purpose of planning the NOWPAP programme and budget, and expressed in United States dollars. The budget does not include the Programme Support Cost (13% of the expenditure of the NOWPAP Trust Fund). The budgets in the brackets indicated the budgets re-phased from 1998.
5. During April - May 1999, preparatory work is proposed to be carried out (such as preparation of project documents to be signed by UNEP and implementing agencies; designation of members of Groups/Committee for NOWPAP/1 and NOWPAP/3; etc.).
6. In the Table,

TF:	NOWPAP Trust Fund;
EF:	Environment Fund;
IOC:	Intergovernmental Oceanographic Commission of United Nations Educational, Scientific, and Cultural Organization;
UNEP-EAP-AP:	United Nations Environment Programme Environment Assessment Programme - Asian and the Pacific;
UNEP-ELI/PAC:	United Nations Environment Programme Environmental Law and Institutions Programme Activity Centre;
UNEP-Water:	UNEP Water Branch;
IMO:	International Maritime Organization;
DIN/RAC	Data and Information Network Regional Activity Centre;
POM/RAC	Pollution Monitoring Regional Activity Centre (provisional name)
MER/RAC	Marine Environmental Emergency Preparedness and Response Regional Activity Centre (provisional name)

UNEP(WATER)/NOWPAP IG.4/7
ANNEX VI
Page 2

CEA/RAC Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (provisional name)

7. The names of responsible UNEP units and branches may change, subject to re-structuring of UNEP secretariat.

I. NOWPAP/1 Establishment of a comprehensive data base and information management system (Phase II)

Activity	Timetable	Responsibility	1999 budget		2000 budget		Note
			TF	EF	TF	EF	
A. Editing and printing of the national reports	1/99 - 5/99	UNEP-Water	(5)	-	-	-	
B. Establishment of the NOWPAP/1 Coordinating Committee	4/99 - 6/99	UNEP-Water, IOC, DIN/RAC	-	-	-	-	
C. Coordinating Working Group (CWG) Meeting	7/99	UNEP-Water, IOC, DIN/RAC	31	-	-	-	The budget includes US\$30,000 for convening of a meeting and US\$1,000 for printing of a report
D. Exchange of detailed information on existing data and information management systems for various environmental variables. Drafting of an overview report of existing data management status	8/99 - 3/00	DIN/RAC, CWG members	-	-	-	-	
E. Drafting of a NOWPAP Policy on Data Sharing and Guidelines	8/99 - 3/00	DIN/RAC, CWG members	3	-	-	-	The budget is for consultancy (CWG member).
F. Design of the NOWPAP Internet Network and preparation of a manual	10/99 - 3/00	DIN/RAC, CWG members	15	-	-	-	A consultant's fee (2 p/m).
G. Coordination and cooperation with the other NOWPAP projects and other programmes	8/99 - 12/00	DIN/RAC, CWG members	-	-	-	-	
H. Preparation of a Database on Marine Environmental Institutions and Scientists	10/99 - 3/00	DIN/RAC, CWG members	10	-	-	-	

UNEP(WATER)/NOWPAP IG.4/7

ANNEX VI

I. Technical workshop on data QA/QC and on data formats for NOWPAP purposes	3/00	DIN/RAC, CWG members, UNEP-Water, UNEP-EAP-AP, IOC	-	-	35	-	US\$30,000 for meeting and US\$5,000 for printing of a report
J. CWG meeting	5/00	DIN/RAC, UNEP-Water, IOC	-	-	31	-	The budget includes US\$30,000 for the meeting and US\$1,000 for printing of a report
K. Publication of an overview report of existing data management systems	6/00 - 7/00	DIN/RAC	-	-	5	-	
L. Publication of the manual to use Internet Network for NOWPAP data and information exchange	6/00 - 10/00	DIN/RAC	-	-	5	-	
M. Collection of the inventory information from the community within and outside of NOWPAP	6/00 - 12/00	DIN/RAC, CWG members	-	-	10	-	The budget is for consultants (CWG members)
Budget total			(5)	59	86	-	

II. NOWPAP/2 Survey of national environmental legislation, objectives, strategies and policies

Activity	Timetable	Responsibility	1999 budget		2000 budget		Note
			TF	EF	TF	EF	
A. Preparation of publication; editing of national reports	1/99 - 4/99	UNEP-ELI/PAC, UNEP-Water	(5)	-	-	-	publication (US\$5,000)
Budget total			(5)	-	-	-	

III. NOWPAP/3 Establishment of a collaborative regional monitoring programme (Phase II)

Activity	Timetable	Responsibility	1999 budget		2000 budget		Note
			TF	EF	TF	EF	
A. Editing and printing of national reports	1/99 - 5/99	UNEP-Water	(5)	-	-	-	
B. Establishment of Coordinating Committee and Working Groups	4/99 - 6/99	UNEP-Water, IOC, POM/RAC	-	-	-	-	
C. First Meeting of Coordinating Committee (CC) and Working Groups (WG); assignment of tasks to WG members	7/99	UNEP-Water, IOC, POM/RAC, CEA/RAC, CC and WG members	40	-	-	-	US\$35,000 for organization of meetings and US\$5,000 for printing of a report
D. Exchange of detailed information on sampling stations and sampling frequency, methods of analysis and method detection limits	8/99 - 12/99	POM/RAC, WG members	-	-	-	-	
E. Intercalibration exercise on nutrients and trace metals in atmospheric precipitation	12/99	POM/RAC, IOC, WG1 members	-	9	-	-	
F. Training course on river inputs of contaminants to the marine environment	12/99	CEA/RAC, POM/RAC, UNEP-Water, WG2 members	30	-	-	-	The budget is for organization of a course including preparation of a report
G. Annual meeting of CC and workshops	2/00	POM/RAC, UNEP-Water, IOC, CC and WG members	-	-	45	-	US\$40,000 for meetings and US\$5,000 for printing of reports
H. Establishment of coordinated network of monitoring stations on atmospheric deposition	3/00 - 4/00	POM/RAC, WG1 members	-	-	-	-	
I. Training Course on atmospheric deposition monitoring	5/00	POM/RAC, WG1 members	-	-	30	-	

J. Preparation of regional overviews on atmospheric deposition and river inputs of contaminants	6/00 - 8/00	POM/RAC, CEA/RAC, WG1 and WG2 members	-	-	10	-	The budget is for consultancy (US\$5,000 for WG1 member and US\$5,000 for WG2 member)
K. Training Course on use of remote sensing data for monitoring purposes	10/00	CEA/RAC, WG3 members	-	-	30	-	The budget is for organization of a course , including printing of a report
L. Intercalibration exercise on trace metals and pesticides in river and sea waters	10/00	POM/RAC, IOC, WG2 members	-	-	-	13	
M. Preparation of manual on atmospheric deposition	10/00 - 12/00	POM/RAC, WG1 members	-	-	5	-	The budget is for consultancy (WG1 member)
N. Establishment of coordinated network of river input monitoring stations	10/00 - 12/00	POM/RAC, WG2 members	-	-	-	-	
Budget total			(5) 70	9	120	13	

- *)
- WG1: Working Group on Atmospheric deposition
 - WG2: Working Group on River Input
 - WG3: Working Group on Coastal Environmental Problems

IV. NOWPAP/4 Development of effective measures for regional cooperation in marine pollution preparedness and response

Activity	Timetable	Responsibility	1999 budget		2000 budget		Note
			TF	EF	TF	EF	
A. Intersessional work before the Third Forum Meeting	1/99 - 3/99	IMO, UNEP-Water, Forum members	-	-	-	-	
B. Convening of the Third Forum Meeting	3/99	IMO, UNEP-Water, Forum members	(30)	-	-	-	
C. Intersessional work after the Third Forum Meeting	4/99 - 11/99	IMO, UNEP-Water, Forum members, MER/RAC	10	-	-	-	The budget is for consultancy.
D. Convening of an advisory expert group meeting	7/99	IMO, UNEP-Water, MER/RAC	30	-	-	-	
E. Development of a NOWPAP/4 homepage	8/99 - 11/99	MER/RAC	10	-	-	-	The budget is for consultancy.
F. Convening of the Fourth Forum Meeting	12/99	IMO, UNEP-Water, Forum members, MER/RAC	30	-	-	-	
G. intersessional work	1/00 - 10/00	IMO, UNEP-Water, Forum members, MER/RAC	-	-	10	-	The budget is for consultancy.
H. Convening of the Fifth Forum Meeting	11/00	IMO, UNEP-Water, Forum members, MER/RAC	-	-	30	-	

I. Intersessional work	12/00	IMO, UNEP- Water, Forum members, MER/RAC	-	-	-	-	
Budget total			(30) 80	-	40	-	

V. Coordination of Regional Activity Centres

Activity	Timetable	Responsibility	1999 budget		2000 budget		Note
			TF	EF	TF	EF	
A. Meeting of Regional Activity Centre Directors	10/99	UNEP-Water	-	20	-	-	
B. Official mission of Regional Activity Centre Directors	6/99 - 12/00	UNEP-Water	10	-	10	-	
Budget total			10	20	10	-	

VI. Meeting organized for implementation of NOWPAP

Activity	Timetable	Responsibility	1999 budget		2000 budget		Note
			TF	EF	TF	EF	
A. Organization of Meeting of Experts and National Focal Points	1/99	UNEP-Water	(5)	-	-	-	

ANNEX VII

ESTABLISHMENT OF NETWORK OF REGIONAL ACTIVITY CENTRES

I. Introduction

1. The UNEP Regional Seas Programme was initiated in 1974 as a global programme implemented through regional components. It has been repeatedly endorsed by the UNEP Governing Council as a regional approach to the management of marine and coastal resources and control of marine pollution. The Regional Seas Programme at present comprises 14 regions (West and Central Africa, Red Sea and Gulf of Aden, Northwest Pacific, South Pacific, Caribbean, Eastern Africa, East Asian Seas, South Asian Seas, South-east Pacific, Mediterranean, Kuwait Action Plan region, Black Sea, Southwest Pacific and Northeast Pacific). There are over 140 coastal States and Territories participating in the Programme. It is an action-oriented Programme having concern not only for the consequences but also for the causes of environmental degradation and encompassing a comprehensive approach to combatting environmental problems through the integrated management of coastal and marine areas.
2. The initial Objectives and Goals adopted by the various regions have a common thread. However, there is sufficient flexibility in the system to allow for particular emphases and priorities as perceived by the Governments concerned. While Action Plans are fashioned on a similar mould for all regions, the priorities differ from region to region. There could even be differences within the same region over time, through the merging of some objectives and the lessening in importance of others.
3. Implementation of an Action Plan comprises a number of projects running in parallel, which will be entrusted to national institutions to the extent that the institutions are capable, possibly supported by relevant regional and international organizations. In view of the multiple projects that are possible and the scattered nature of the various activities, as well as wide scope of input possible from both within and outside the region, implementation of an Action Plan must be coordinated, possibly through a network of participating national institutions coordinated by regional activity centres. Overall implementation of an Action Plan and activities of regional activity centres then is coordinated by a Regional Coordinating Unit (RCU) to ensure integrated and well-arranged execution from within the region of projects under an Action Plan.
4. The Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP) and three Resolutions were adopted at the First Intergovernmental Meeting (Seoul, 14 September 1994), which was attended by Japan, People's Republic of China, Republic of Korea and Russian Federation.
5. Chapter 4 of the Action Plan deals with the "Institutional and Financial Arrangements". Under 4.2 Coordination and Implementation, paragraph 26-27 describes roles of national institutions and a possible network of regional activity centres, as follows:

"26. The implementation of the Action Plan will comprise a number of projects running in parallel. These projects will be entrusted to national institutions to the extent that the institutions are capable. In this, the institutions will be supported by relevant regional and international organizations, particularly those that are already active in the region. Where necessary, national institutions will be strengthened to enable them to participate effectively in the various projects (see Objective 1). Until such time as national and regional institutions can undertake all activities under the Action Plan, and whenever a particular project so requires, local capabilities will be supplemented by assistance of experts from elsewhere in the region or from outside the region."

"27. In view of the multiple projects that are possible and the scattered nature of the various activities, as well as the wide scope of input possible from both within and outside the region, implementation of the Action Plan must be coordinated. A network of participating institutions coordinated by regional activity centres will be established for this purpose."

6. It is understood that the RAC's will play a central role in coordination of regional activities through a network of national contact institutions designated by each of the member States. Regional Activity Centres will also maintain a close contact with the NOWPAP RCU for overall coordination of activities with other RAC's and will report on the progress of its activities to the NOWPAP Intergovernmental Meeting through the NOWPAP RCU (before its establishment, through UNEP as interim secretariat).

7. Resolution 1 at the First Intergovernmental Meeting identified five areas of priority for implementation of the Action Plan, and invited the Executive Director of UNEP to prepare a detailed programme document, describing the operational details of projects to be developed on the basis of the identified priorities. Among the five priorities, NOWPAP/5 is entitled "Commence the Establishment of Regional Activity Centres and Their Network".

8. The Second Intergovernmental Meeting on NOWPAP was held in Tokyo on 20 November 1996. The participating States approved the Programme Document (ANNEX V of UNEP(WATER)/NOWPAP IG.2/5), and agreed on the Workplan and Timetable for the Biennium 1997-1998 (ANNEX VI of UNEP(WATER)/NOWPAP IG.2/5), including activities in NOWPAP/5. However, these five areas do not cover all the activities listed in the Action Plan, and other areas should be established for implementing other components of the Action Plan for the year 1999 and thereafter. Under the NOWPAP/5, UNEP was requested to prepare a study of feasibility for establishment of network of Regional Activity Centres, including information on other regional activity centres, financial implications of these regional activity centres, review of proposals submitted by the NOWPAP member States and study on technical and financial feasibility of establishment of regional activity centres.

9. The Third Intergovernmental Meeting on NOWPAP (Vladivostok, 9 April 1998) discussed the procedure to establish network of the RAC's. In Resolution 2, the Intergovernmental Meeting, requested the Executive Director of UNEP to prepare a proposal for defining roles and functions of the Regional Activity Centres in consultation with the member States. Further the Intergovernmental Meeting, in Resolution 2, invited the member States of NOWPAP to submit to UNEP proposals to host RAC's within six months of the conclusion of the Third Intergovernmental Meeting in the format to be prepared by UNEP.

10. At the Preparatory Meeting of Experts and National Focal Points for the Third Intergovernmental Meeting, the Republic of Korea indicated that possible support from the NOWPAP Trust Fund should be considered for establishment and operation of RAC's. It was also decided that the role and function of each Regional Activity Centre should be discussed.

11. At the Preparatory Meeting of Experts and National Focal for the Third Intergovernmental Meeting and the Third Intergovernmental Meeting, four Regional Activity Centres (RAC's) were proposed to be created to cover activities listed in the Action Plan: (i) RAC on Regional Marine and Coastal Information Management; (ii) RAC on Monitoring and Assessment of Marine, Coastal and Associated Freshwater Environments; (iii) RAC on Marine Pollution Preparedness and Response; and (iv) RAC on Biodiversity and Specially Protected Areas (UNEP(WATER)/NOWPAP IG.3/4).

12. In NOWPAP/1, NOWPAP/3 and NOWPAP/4, through relevant fora (the NOWPAP/1 and NOWPAP/3 workshops in July 1998 and the Second NOWPAP Forum Meeting in April 1998), roles and functions of the Regional Activity Centres were discussed and clarified (UNEP/IMO/NOWPAP

WG.10/12, UNEP/IOC/NOWPAP WG.11/3 and UNEP/IOC/NOWPAP WG.12/3).

13. Based on Resolution 2 at the Third Intergovernmental Meeting, the member States submitted proposals to invite to host RAC's. Japan submitted at the end of August 1998 a proposal to invite to host the RAC on Regional Marine and Coastal Information Management at the Japan Oceanographic Data Centre and the RAC on Monitoring and Assessment of Marine, Coastal and Associated Freshwater Environments at the Northwest Pacific Regional Environment Cooperation Centre. The Republic of Korea at the end of August 1998 submitted a proposal to invite to host the RAC on Marine Pollution Preparedness and Response at the Korea Research Institute of Ships and Ocean Engineering. The Russian Federation at the end of October 1998 submitted a proposal to host the RAC on Monitoring and Assessment of Marine, Coastal and Associated Freshwater Environments at the Pacific Geographical Institute. The People's Republic of China at the end of October 1998 submitted a proposal to invite the RAC on Regional Marine and Coastal Information Management at its Information Centre.

14. Under the current contribution level by the member States to the Trust Fund, in principle, no or little financial support will be expected to be made available to support operation of the NOWPAP RAC's (i.e., staff salary, office rent and equipments, travel on official travels, etc.). Therefore, it is suggested that existing national/local institutions within the NOWPAP member States take charge of implementation of regional activities for NOWPAP, with possible financial support from these institutions, national Governments, and other national funding sources to cover costs of staff salary (to work on regional issues), necessary office equipments and rent (for regional activities), travel on official business on NOWPAP, logistic arrangements for various meetings/workshops, etc.

15. The present document is to present a study of feasibility to define roles and functions of the Regional Activity Centres and their network, based on the discussion at the Third Intergovernmental Meeting, proposals submitted by the member States, the discussions at the Meeting of Experts and national Focal Points (Bangkok, 19-21 January 1999), the informal discussions among and between UNEP and the member States and the discussions at the Fourth Intergovernmental Meeting.

II. Proposed roles and functions of Regional Activity Centres

16. RAC's will play a central role in coordination of regional activities in specific fields of priority through a network of national contact institutions designated by each of the member States. Regional Activity Centres will also maintain a close contact with the NOWPAP RCU (before its establishment, UNEP as interim secretariat) which is in charge of overall coordination of activities among RAC's. RAC's will prepare report to the NOWPAP Intergovernmental Meeting on progress in implementation of the activities agreed to at the Intergovernmental Meetings and on proposed activities and budgets. Such reports should be prepared in advance to the Intergovernmental Meeting and submitted to the NOWPAP Intergovernmental Meeting through the NOWPAP RCU (before its establishment, through UNEP as interim secretariat).

17. RAC's will carry out activities to implement specific tasks in the Action Plan. At the initial stage of implementation of activities, UNEP and other UN and/or international organizations may technically and/or financially support the activities. RCU will carry out activities that are not carried out by RAC's.

18. Based on the discussions at the Third Intergovernmental Meeting, the proposals submitted by the member States, and the results of the workshops/meeting in the NOWPAP projects (UNEP/IMO/NOWPAPWG.10/12, UNEP/IOC/NOWPAPWG.11/3, and UNEP/IOC/NOWPAPWG.12/3), the following roles, functions and structure of the Regional Activity Centres are defined.

19. It is suggested that each participating member of the Coordinating Working Group or other relevant bodies will contribute to the functioning of RAC's.

20. **Data and Information Network Regional Activity Centre (NOWPAP-DIN/RAC)** DIN-RAC will coordinate regional activities relevant to Objective 1, tasks (a) and (b), Objective 2, tasks (a), (b), (c), (d) and (e), in particular, the priority project, NOWPAP/1: Establishment of a Comprehensive Database and Information Management System PHASE II (proposal for this can be seen in ANNEX IV of UNEP/IOC/NOWPAP WG.12/3). For specific components of the NOWPAP/1 PHASE II programme, DIN/RAC will cooperate with NOWPAP RCU (before its establishment, UNEP as interim secretariat), IOC, UNEP-EAP/AP for establishment of a comprehensive database and regional information management system, upon approval of the proposal by the Intergovernmental Meeting. It is essential that DIN/RAC maintain close relationships with other Regional Activity Centres for efficient information exchange among the RAC's. Further DIN/RAC will need to maintain strong linkages with the existing regional/national data/information exchange system. Based on the NOWPAP/1 PHASE II proposal, DIN/RAC will be engaged in, *inter alia*, maintenance of a regional home page for the regional information network, maintenance of inventory information database, training activities on data and information management, under the direction of the NOWPAP/1 Coordinating Working Group to be established. The proposed Terms of Reference for DIN/RAC are provided in APPENDIX I.
21. DIN/RAC is proposed to be located in the Information Centre (IC) of the State Environmental Protection Administration in Beijing, the People's Republic of China. A Director of DIN/RAC is appointed from IC, and two other IC staff members will share their time on the operation of DIN/RAC (particularly administrative matters and computer technical assistance). The specialized computer facilities in IC will also be used for activities for NOWPAP/1.
22. At the Meeting of Experts and National Focal Points (Bangkok, 19-21 January 1999), the meeting recommended that the functions of DIN/RAC, as described in its Terms of Reference, should not be divided into two, taking into consideration the proposed budget and scale of the present and future NOWPAP activities. In this connection, Japan indicated its willingness to invite DIN/RAC at JODC based on JODC's experience and capability. Although Japan further indicated at the Meeting of Experts and National Focal Points (Bangkok, 19-21 January 1999) that it would be desirable that the functions and activities of DIN/RAC be shared, UNEP does not believe that such division of functions is feasible at this stage. It is noted that JODC would not provide institutional support to the work of NOWPAP/1 without any status under the NOWPAP framework (RAC or any other status).
23. **Pollution Monitoring Regional Activity Centre (NOWPAP-POM/RAC)** POM-RAC will coordinate regional activities relevant to Objective 1, task (d), Objective 4, task (a), in particular, NOWPAP/3: Establishment of a Collaborative, Regional Monitoring Programme PHASE II (proposal for this can be seen in ANNEX IV of UNEP/IOC/NOWPAP WG.11/3). Particularly, NOWPAP/3 PHASE II will focus on three areas: coastal environmental problems, atmospheric deposition, and river input. For specific components of the NOWPAP/3 PHASE II programme, POM/RAC will cooperate with NOWPAP RCU (before its establishment, UNEP), IOC, CEA/RAC and other regional centres (for instance, the Interim Network Centre for the Acid Deposition Monitoring Network in East Asia established in Niigata, Japan) for establishment of a collaborative, regional monitoring programme, upon approval of the proposal by the Intergovernmental Meeting. Based on the NOWPAP/3 PHASE II proposal, POM/RAC will be engaged in, *inter alia*, development of regional monitoring programme, development and implementation of monitoring data quality and analytical control methods, training courses relevant to monitoring methodologies and data and analytical control. The proposed Terms of Reference for POM/RAC are provided in APPENDIX II.
24. POM/RAC is proposed to be located in the Pacific Geographical Institute (PGI), Far Eastern Branch of Russian Academy of Sciences (FEB-RAS), Vladivostok, Russian Federation. PGI will operate the functions of POM/RAC in close cooperation with Far Eastern Regional Hydrometeorological Research Institute (FERHRI), Primorsky Territorial Centre for Monitoring of Federal Committee for Hydrometeorology and Pacific Oceanological Institute (POI) of FEB-RAS. A Director of POM/RAC is

appointed from PGI, and two PGI staff members will share their time on the operation of POM/RAC (particularly administrative matters and computer technical assistance). Staff expertise will also be provided for operation of POM/RAC from FERHRI, Primorsky Territorial Centre for Monitoring of Federal Committee for Hydrometeorology and POI of FEB-RAS. The specialized laboratories of PGI, FERHRI, POI and Primorsky Territorial Centre for Monitoring will also be used for activities for NOWPAP/3.

25. **Marine Environmental Emergency Preparedness and Response Regional Activity Centre (NOWPAP-MER/RAC)** MER-RAC will coordinate regional activities relevant to Objective 4, tasks (d) and (e) and Objective 5, tasks (c) and (d), in particular, NOWPAP/4: Development of Effective Measures for Regional Cooperation in Marine Pollution Preparedness and Response. Under NOWPAP/4, the NOWPAP Forum on Marine Pollution Preparedness and Response has been established. The initial tasks of the Forum were defined at the First Forum meeting in Toyama, July 1997, and MER/RAC will coordinate the initial and subsequent tasks of the Forum. Particularly, the results of the intersessional work will be compiled and stored in digital formats and will be provided to the Forum members through internet linkage. Pollution reporting will also be sent to MER/RAC for information compilation and for mediation of assistance requested. Close cooperation should be maintained with IMO, as well as NOWPAP RCU. The proposed Terms of Reference for MER/RAC are provided in APPENDIX III.

26. Under the NOWPAP Forum, initial development of a regional contingency plan and a regional Memorandum of Understanding (MOU) is being carried out. Once such a regional contingency plan and MOU has been developed and concluded, it is understood that MER/RAC will be provided with tasks to implement such a cooperative framework. When this occurs, the Terms of Reference and status of MER/RAC will need to be reviewed along with review of the Terms of Reference for the NOWPAP Forum.

27. MER/RAC is proposed to be located in the Korea Research Institute of Ships and Ocean Engineering (KRISO) of Korean Institute of Materials and Machinery (KIMM) in Taejeon, Republic of Korea. A Director of MER/RAC is appointed from KRISO, and other KRISO technical and administrative staff members will share their time on the operation of MER/RAC. The laboratory facilities of KRISO may be used for activities relevant to NOWPAP/4.

28. **Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (NOWPAP-CEA/RAC)** CEA/RAC will coordinate regional activities relevant to Objective 1, task (e), Objective 3, tasks (c) and (d). CEA/RAC will be responsible mainly for coordination of regional activities for assessment of the state of the marine, coastal and associated freshwater environments, including assessment of pollutant input for the purpose of comparison with the monitoring results. Also, based on the results of the assessment, CEA/RAC will develop tools for environmental assessment, which can be used and shared among the member States as assessment tools. Such tools also include special techniques for monitoring and assessment. In this connection, CEA/RAC is to provide assistance to NOWPAP/3: Establishment of a Collaborative, Regional Monitoring Programme (proposal for the second phase can be seen in ANNEX IV of UNEP/IOC/NOWPAP WG.11/3) in the fields of special monitoring programmes which cannot be covered by routine pollution monitoring, including monitoring of biological effects of pollutants, use of remote sensing for monitoring purposes, use of new monitoring techniques and assessment of pollutant input. CEA/RAC will cooperate with NOWPAP RCU (before its establishment, UNEP as interim secretariat) and other relevant international organizations. Further, POM/RAC is requested to contact CEA/RAC for its specific assistance to the work of NOWPAP/3. The proposed Terms of Reference for CEA/RAC are provided in APPENDIX IV.

29. CEA/RAC is proposed to be located in the Northwest Pacific Regional Environment Cooperation Centre (NPEC), Toyama, Japan. NPEC will operate the functions of CEA/RAC in close

cooperation with Toyama Prefectural Environmental Science Research Centre (TESC). A Director of CEA/RAC will be appointed from NPEC, and the NPEC staff members will share their time on the operation of CEA/RAC (particularly administrative matters and technical assistance). Staff expertise will also be provided for operation of CEA/RAC from TESC. The specialized laboratories of TESC will also be used for the proposed activities.

30. NOWPAP Regional Coordinating Unit (RCU) (before its establishment, the NOWPAP Interim Secretariat located in UNEP) will directly carry out implementation of the components of the Action Plan, which cannot be covered by the Regional Activity Centres. These components will include coordination of environmental legislation and water quality standards, integrated coastal areas planning and management, control of land-based sources of pollution, cooperative joint-research activities, specifically, Objective 1, task (c), Objective 3, tasks (a), (b), (d), (e) and (f), Objective 4 tasks (b), (c), (f) and (g), Objective 5, tasks (a), (b), (d), and (e) in the Action Plan. With regard to the activities relevant to integrated coastal areas planning and management, including zoning of the coastal areas (Objective 3, tasks (e) and (f), Objective 4, task (b)), NOWPAP RCU may seek assistance from CEA/RAC concerning activities in such fields as are based on the coastal environmental assessment and as are considered to be logical continuation from the coastal environmental assessment.

III. Proposed network of Regional Activity Centres

31. In order to fulfil its roles and functions, each RAC will maintain network of contact institutions for each of the projects it handles. Further, each Regional Activity Centre will be responsible for reporting the activities and expenditures from the Trust Funds and other sources of funding through NOWPAP RCU (before its establishment, UNEP as interim secretariat) to NOWPAP Intergovernmental Meetings. The overall structure of the Regional Activity Centre network is schematically indicated in APPENDIX V.

32. Upon Resolution of the Fourth Intergovernmental Meeting, each participating State will take sole responsibility for making infrastructure, institutional and financial arrangements under the national laws and regulations for the RAC to fulfil the functions and roles designated by the Intergovernmental Meeting. The status of each RAC will be an entity (to be designated by appropriate national authority) within the existing institution, which will carry out implementation of part of the Action Plan (regional activities decided by the NOWPAP Intergovernmental Meetings, and coordinated by UNEP as interim secretariat) in cooperation with relevant international/regional organizations. UNEP and/or supporting UN specialized organizations will enter into contractual relationships with RAC's for the RAC's to implement the activities designated by the Intergovernmental Meeting. To lay institutional basis for establishment of RAC's, it is recommended that the member States request UNEP to conclude Memoranda of Understanding (MOU) between the RAC's and UNEP. The financial resources for implementation of NOWPAP activities shall be provided by the NOWPAP Trust Fund, as well as other sources of funding.

33. In order to enhance cooperative relation between the RAC's, it is proposed that the Directors of RAC's meet on various occasions, in particular, on the occasion of the NOWPAP Intergovernmental Meeting. To encourage such coordination between the activities of the RAC's, it is proposed that US\$2,500 be annually allocated from the Trust Fund for each of the RAC Directors to travel to participate in meetings, particularly, to participate in NOWPAP Intergovernmental Meetings.

34. Each RAC will ensure sufficient financial and technical support from the host Government and host institution for staff salary, rent for office space, operational costs (communication, photocopy, etc.), and logistic arrangements for various meetings/workshops, official missions (which cannot be covered by the proposed US\$2,500 from the Trust Fund).

APPENDIX I

Proposed Terms of Reference
for the Data and Information Network Regional Activity Centre
(NOWPAP-DIN/RAC)

The NOWPAP Data and Information Network Regional Activity Centre (NOWPAP-DIN/RAC) will coordinate regional activities relevant to Objective 1, tasks (a) and (b), Objective 2, tasks (a), (b), (c), (d) and (e) of the Northwest Pacific Action Plan (NOWPAP), in particularly the priority project, NOWPAP/1: Establishment of a Comprehensive Database and Information Management System PHASE II. Generally, DIN/RAC will cooperate with NOWPAP-RCU (before its establishment, UNEP as interim secretariat), IOC, UNEP-EAP/AP, and other international/regional organizations for establishment of a comprehensive database and regional information management system. It is essential that DIN/RAC maintain close relationship with other Regional Activity Centres for efficient information exchange among the RAC's. Specifically, DIN/RAC will carry out:

- (a) To maintain contacts with the members of the NOWPAP/1 Coordinating Working Group, and also relevant national/regional/international institutions/organizations in the NOWPAP member States for achieving the designated objectives and tasks of the Action Plan as mentioned above;
- (b) To organize meetings of the Coordinating Working Group in line with the timetable agreed upon among the member States at the Intergovernmental Meetings;
- (c) To function as secretariat for the Coordinating Working Group with technical assistance from UNEP and other relevant international/regional organizations;
- (d) To organize meetings, symposiums and missions in the field, useful for achieving the designated objectives and tasks of the Action Plan, which are mentioned above. The meetings and international conferences organized by the Regional Activity Centre and financed with the Trust Fund are open to representatives designated by the competent authorities of the NOWPAP member States;
- (e) To keep close contacts with other regional programmes, so that coordination and cooperation with these programmes would be enhanced;
- (f) To maintain a regional prototype homepage for connection with national participating institutions and to get in touch with national participating institutes for efficient connection with the national participating institutes;
- (g) To connect the regional prototype homepage with information sources of other NOWPAP Regional Activity Centres;
- (h) To collect and compile inventory information on databases participating in NOWPAP/1 and GIS-type products, and to provide inventory information through the regional network;
- (i) To function as a switchboard to direct users of the network to appropriate databases connected with the regional homepage;
- (j) To coordinate the network of homepages in institutions where such needs arise and when such requests are provided;
- (k) To provide technical advice to the participating institutions on the environmental data and information and management, wherever required;

- (l) To develop training and educational programmes and to plan and organize training courses and relevant technical workshops;
- (m) To maintain databases created by the Regional Activity Centre, such as Database on Marine Environmental Institutions and Scientists;
- (n) To publish technical publications, manuals and newsletters, etc. as results of NOWPAP activities;
- (o) To summarize the work of the Regional Activity Centre and to report to the NOWPAP Intergovernmental Meetings on its progress, results and expenditure.
- (p) To gather relevant information contributing to the implementation of NOWPAP/1 and to communicate it, upon request, to the members of the Coordinating Working Group;
- (q) To collect information on technologies and leading-edge know-how in the field of environmental data and information management in the NOWPAP region and to transfer it to the members of the Coordinating Working Group;
- (r) To encourage the harmonization of approaches and methodologies utilized for the NOWPAP/1 network as well as among the various NOWPAP projects;
- (s) To review and, in consultation with NOWPAP RCU, take any other appropriate initiatives for achieving the designated objectives and tasks of the Action Plan, which are mentioned above.
- (t) To disseminate information and raise public awareness, in particular, that of populations directly concerned with information and data management on the marine, coastal and associated freshwater environment in the NOWPAP region;
- (u) To mobilize human, financial and material means and resources in order to meet, where appropriate, the requests of the members of the Coordinating Working Group; and
- (v) To carry out any other tasks that are requested by the Coordinating Working Group to achieve the designated objectives and tasks of the Action Plan, as mentioned above.

APPENDIX II

Proposed Terms of Reference for the Pollution Monitoring Regional Activity Centre (NOWPAP-POM/RAC)

The NOWPAP Pollution Monitoring Regional Activity Centre (NOWPAP-POM/RAC) will coordinate regional activities relevant to Objective 1, task (d), Objective 4, task (a) of the Northwest Pacific Action Plan (NOWPAP), in particular, the priority project NOWPAP/3: Establishment of a Collaborative, Regional Monitoring Programme PHASE II. Generally, POM/RAC will cooperate with NOWPAP-RCU (before its establishment, UNEP as interim secretariat), IOC, and other international/regional organizations for establishment of a collaborative, regional monitoring programme. It is essential that POM/RAC maintain close relationship with CEA/RAC and other Regional Activity Centres. Specifically, POM/RAC will carry out:

- (a) To maintain contacts with the members of the NOWPAP/3 Coordinating Committee and three Working Groups, and also relevant national/regional/international institutions/organizations in the NOWPAP member States for achieving the designated objectives and tasks of the Action Plan as mentioned above;
- (b) To organize meetings of the Coordinating Committee and Working Groups in line with the timetable agreed upon among the member States at the Intergovernmental Meetings;
- (c) To function as secretariat for the Coordinating Committee and Working Groups with technical assistance from UNEP and other relevant international/regional organizations;
- (d) To organize meetings, symposiums and missions useful for achieving the designated objectives and tasks of the Action Plan, which are mentioned above. The meetings and international conferences organized by the Regional Activity Centre and financed with the Trust Fund are open to representatives designated by the competent authorities of the NOWPAP member States;
- (e) To keep close contacts with other regional monitoring programmes, so that coordination and cooperation with these programmes would be enhanced;
- (f) To carry inter-calibration exercises in cooperation with UNEP, IOC and other relevant international/regional organizations;
- (g) To provide technical advice to the participating institutions on monitoring activities and techniques on the marine, coastal, and associated freshwater and atmospheric environment, wherever required;
- (h) To develop training and educational programmes and to plan and organize training courses and relevant technical workshops;
- (i) To maintain monitoring results of the network of monitoring stations created under the NOWPAP/3 and to provide such results to other activities undertaken under NOWPAP;
- (j) To publish technical publications, manuals and newsletters, etc. as results of NOWPAP activities;
- (k) To summarize the work of the Regional Activity Centre and to report to the NOWPAP Intergovernmental Meetings on its progress, results and expenditure.

- (l) To gather relevant information contributing to the implementation of NOWPAP/3 and to communicate it, upon request, to the members of the Coordinating Committee and Working Groups;
- (m) To collect information on technologies and leading-edge know-how in the field of routine monitoring of the marine, coastal, and associated freshwater and atmospheric environment in the NOWPAP region and to transfer it to the members of the Coordinating Working Group and Working Groups;
- (n) To encourage the harmonization of approaches and methodologies utilized for the NOWPAP/3 monitoring network;
- (o) To review and, in consultation with NOWPAP RCU, take any other appropriate initiatives for achieving the designated objectives and tasks of the Action Plan, which are mentioned above.
- (p) To disseminate information and raise public awareness, in particular, that of populations directly concerned with monitoring of the marine, coastal and associated freshwater and atmospheric environment in the NOWPAP region;
- (q) To mobilize human, financial and material means and resources in order to meet, where appropriate, the requests of the members of the Coordinating Committee; and
- (r) To carry out any other tasks that are requested by the Coordinating Committee to achieve the designated objectives and tasks of the Action Plan, as mentioned above.

APPENDIX III

**Proposed Terms of Reference
for the Marine Environmental Emergency Preparedness
and Response Regional Activity Centre (NOWPAP-MER/RAC)**

The NOWPAP Marine Environmental Emergency Preparedness and Response Regional Activity Centre (NOWPAP-MER/RAC) will coordinate regional activities relevant to Objective 4, tasks (d) and (e) and Objective 5, tasks (c) and (d) of the Northwest Pacific Action Plan (NOWPAP), in particular, the priority project NOWPAP/4: Development of Effective Measures for Regional Cooperation in Marine Pollution Preparedness and Response. In particular, MAR/RAC will promote the work of the NOWPAP Forum on Marine Pollution Preparedness and Response hereinafter referred to as the "NOWPAP Forum". Generally, MER/RAC will cooperate with NOWPAP-RCU (before its establishment, UNEP as interim secretariat), IMO, and other international/regional organizations for establishment of a regional cooperation framework to prepare for and respond to marine pollution emergency. Specifically, MER/RAC will carry out:

- (a) To maintain contacts with the members of the NOWPAP Forum on Marine Pollution Preparedness and Response, and also relevant national/regional/international institutions/organizations in the NOWPAP member States for achieving the designated objectives and tasks of the Action Plan as mentioned above;
- (b) To assist the member States in hosting of the meetings of the NOWPAP Forum, and meetings of expert advisory groups, in line with the timetable agreed upon among the member States at the Intergovernmental Meetings;
- [(c) To function as secretariat for the NOWPAP Forum with technical assistance from UNEP and IMO];
- (d) To organize meetings, symposiums and missions in the field, useful for achieving the designated objectives and tasks of the Action Plan, which are mentioned above. The meetings and international conferences organized by the Regional Activity Centre and financed with the Trust Fund are open to representatives designated by the competent authorities of the NOWPAP member States;
- (e) To keep close contacts with other regional programmes, so that coordination and cooperation with these programmes would be enhanced;
- (f) To oversee intersessional tasks and work designated by the NOWPAP Forum and carried out during the NOWPAP Forum meetings;
- (g) To compile and store results of the tasks of the NOWPAP Forum as set out in the Terms of Reference for the NOWPAP Forum;
- (h) To maintain the NOWPAP MER/RAC homepage for effective exchange of information on the work of the NOWPAP Forum;
- (i) To collect and compile information on pollution reporting and to function as mediator to pass such reporting to relevant national institutions;
- (j) To provide technical advice to the participating institutions on technical issues relevant to marine pollution preparedness and response;
- (k) To plan and organize training courses and relevant technical workshops, in consultation with

competent national training institutions in the NOWPAP member States, as deemed necessary by the NOWPAP Forum, taking into consideration the IMO model courses;

- (l) To publish technical publications, manuals and newsletters, etc. as results of the NOWPAP Forum;
- (m) To summarize the work of the Regional Activity Centre and to report to the NOWPAP Intergovernmental Meetings on its progress, results and expenditure.
- (n) To gather relevant information contributing to the implementation of NOWPAP/4 and to communicate it, upon request, to the members of the NOWPAP Forum;
- (o) To collect information on technologies and leading-edge know-how in the field of marine pollution preparedness and response in the NOWPAP region and to transfer it to the members of the NOWPAP Forum;
- (p) To encourage the harmonization of approaches and methodologies utilized for marine pollution preparedness and response;
- (q) To review and, in consultation with NOWPAP RCU, take any other appropriate initiatives for achieving the designated objectives and tasks of the Action Plan, which are mentioned above.
- (r) To disseminate information and raise public awareness, in particular, that of populations directly concerned with marine pollution preparedness and response in the NOWPAP region;
- (s) To mobilize human, financial and material means and resources in order to meet, where appropriate, the requests of members of the Forum; and
- (t) To carry out any other tasks that are requested by the NOWPAP Forum to achieve the designated objectives and tasks of the Action Plan, as mentioned above.

APPENDIX IV

Proposed Terms of Reference for the Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (NOWPAP-CEA/RAC)

The NOWPAP Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (NOWPAP-CEA/RAC) will coordinate regional activities relevant to Objective 1, task (e), Objective 3, tasks (c) and (d) of the Northwest Pacific Action Plan (NOWPAP). CEA/RAC will be responsible for coordination of regional activities for assessment of the state of the marine, coastal and associated freshwater environments, including assessment of pollutants input for the purpose of comparison with the monitoring results. Also, CEA/RAC will develop tools for environmental planning and management based on the results of the assessment. In this relation, CEA/RAC will also be engaged in development of assessment and planning tools, including special monitoring programmes which cannot be covered by routine pollution monitoring, including monitoring of biological effects of pollutants, use of remote sensing for monitoring purposes and use of new monitoring techniques. In this way, CEA/RAC's work will specifically contribute the implementation of NOWPAP/3 PHASE II. CEA/RAC will cooperate with NOWPAP-RCU (before its establishment, UNEP as interim secretariat), and other relevant regional and international organizations. It is essential that CEA/RAC maintain close relationship with POM/RAC and other Regional Activity Centres for CEA/RAC's specific contribution to effective implementation of NOWPAP/3 and other activities. Specifically, CEA/RAC will carry out:

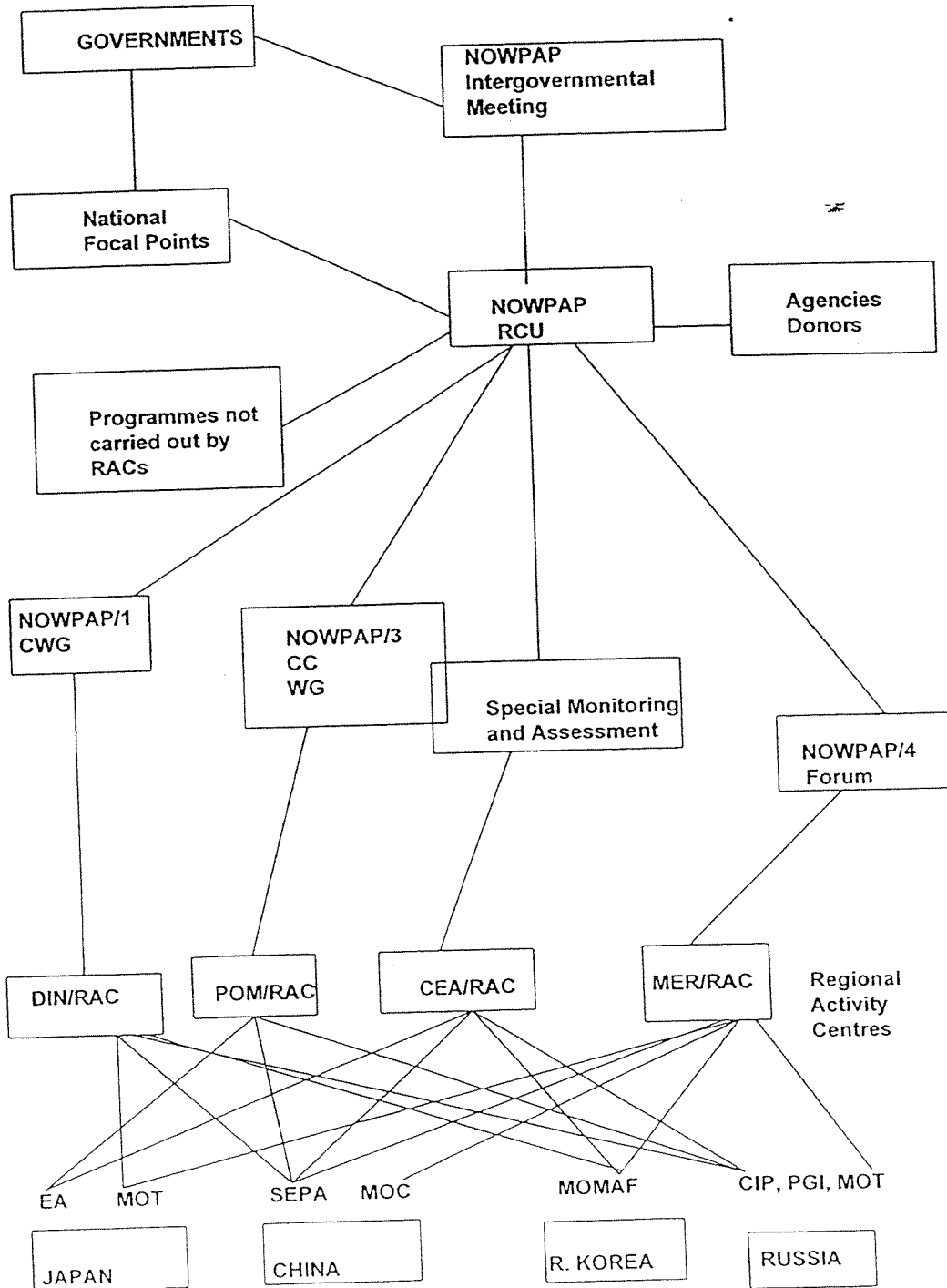
- (a) To maintain contacts with the Pollution Monitoring Regional Activity Centre for assessment related activities. Further, CEA/RAC will also work with relevant national/regional/international institutions/organizations in the NOWPAP member States for achieving the designated objectives and tasks of the Action Plan as mentioned above;
- (b) To organize meetings, symposiums and missions in the field, useful for achieving the designated objectives and tasks of the Action Plan, which are mentioned above. The meetings and international conferences organized by the Regional Activity Centre and financed with the Trust Fund are open to representatives designated by the competent authorities of the NOWPAP member States;
- (c) To keep close contacts with other regional programmes, so that coordination and cooperation with these programmes would be enhanced;
- (d) To have close communication with the Pollution Monitoring Regional Activity Centre and NOWPAP/3 Coordinating Committee to contribute to the implementation of NOWPAP/3;
- (e) To provide technical advice to the participating institutions on special monitoring of the marine, coastal, and associated freshwater and atmospheric environment and on assessment of pollutant input, wherever required;
- (f) To carry out assessment, under the direction of the NOWPAP RCU, of the state of the marine and coastal environment and loads of pollutants, based on the results of the regional monitoring network and work of NOWPAP/4, using the information obtained through the regional information network to be developed under NOWPAP/1;
- [(g) To assist RCU in carrying out activities relevant to NOWPAP/7: Integrated Coastal Area Planning and Management.]
- (h) To establish and maintain regular exchange with all the member States relevant to the assessment of the marine and coastal environment in the NOWPAP region, in cooperation with

NOWPAP RCU;

- (i) To collect and collate information necessary to carry out assessment as described in (f) above, including human health in coastal areas, coastal biological resources and diversity, socio-economic development in the coastal areas and connected river basins;
- (j) In cooperation with NOWPAP RCU, to prepare guidelines and tools in various fields of coastal environmental assessment;
- [(k) To develop training and educational programmes and to plan and organize training courses and relevant technical workshops in the fields of, *inter alia*, special monitoring, assessment of land-based sources of pollution, and use of guidelines and tools;]
- (l) To publish technical publications, manuals and newsletters, etc. as results of NOWPAP activities;
- (m) To summarize the work of the Regional Activity Centre and to report to the NOWPAP Intergovernmental Meetings on its progress, results and expenditure.
- (n) To gather relevant information contributing to the implementation of CEAVRAC activities and to communicate it, upon request, to the relevant national contact institutions;
- (o) To collect information on technologies and leading-edge know-how in the field of special monitoring and assessment of the marine, coastal, and associated freshwater and atmospheric environment in the NOWPAP region, and to transfer it to the members of the Coordinating Committee and Working Groups;
- (p) To encourage the harmonization of approaches and methodologies utilized for the special monitoring and assessment of the marine, coastal and associated freshwater and atmospheric environment in the NOWPAP region;
- (q) To review and, in consultation with NOWPAP-RCU, take any other appropriate initiatives for achieving the designated objectives and tasks of the Action Plan, which are mentioned above.
- (r) To disseminate information and raise public awareness, in particular, that of populations directly concerned with information and data management on the marine, coastal and associated freshwater environment in the NOWPAP region;
- (s) To mobilize human, financial and material means and resources in order to meet, where appropriate, the requests of members of the Coordinating Working Group;
- (t) To carry out any other tasks that are requested by the NOWPAP/3 Coordinating Committee and Intergovernmental Meeting to achieve the designated objectives and tasks of the Action Plan, as mentioned above; and
- (u) To establish and maintain regular exchange with all the member States relevant to the assessment of the marine and coastal environment in the NOWPAP region.

APPENDIX V

Structure of the Network
 of the Regional Activity Centres



ANNEX VIII

RESOLUTION 1

PROGRAMME IMPLEMENTATION IN THE 1999-2000 BIENNIUM

The Fourth Intergovernmental Meeting.

Based on the Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (Northwest Pacific Action Plan - NOWPAP), adopted at the First Intergovernmental Meeting, as well as Resolution 1 of the First Intergovernmental Meeting,

Based also on Resolution 2 of the Second Intergovernmental Meeting and Resolution 1 of the Third Intergovernmental Meeting,

Noting the progress made in the implementation of the five priority projects in the Workplan for the 1997/1998 biennium,

Recognizing the willingness of international and regional organizations to assist in implementation of priority projects,

Taking into consideration the experiences in the implementation of the Workplan for the 1997/1998 biennium,

1. Approves the Workplan and Budget for the 1999/2000 Biennium (ANNEX VI of UNEP(WATER)/NOWPAP IG.4/7).
2. Endorses the publications produced during the 1997/1998 biennium, namely, the Directory of Coastal and Marine Environmental Institutions in the Northwest Pacific Region, Bibliography of Coastal and Marine Environment in the Northwest Pacific Region, and National Reports on Marine Pollution Preparedness and Response in the Northwest Pacific Region.
3. Further endorses the proposals for the PHASE II of NOWPAP/1, NOWPAP/3 and NOWPAP/4 (ANNEX V of UNEP(WATER)/NOWPAP IG.4/7), and the proposal for NOWPAP/6 (ANNEX V of UNEP(WATER)/NOWPAP IG.4/7).
4. Requests the member States of NOWPAP to designate necessary members of NOWPAP/1 Coordinating Working Group and NOWPAP/3 Coordinating Committee and Working Groups, and national focal institutions for NOWPAP/6.
5. Decides to further study and review the proposals for the implementation of the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities and for NOWPAP/7: Integrated Coastal Area Planning and Management, recognizing the importance of the issues.
6. Encourages the member States of NOWPAP which host workshops and meetings to provide possible technical and financial assistance for their organizations.

RESOLUTION 2

INSTITUTIONAL ARRANGEMENTS FOR IMPLEMENTATION OF NOWPAP

The Fourth Intergovernmental Meeting,

Based on the Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (Northwest Pacific Action Plan - NOWPAP), adopted at the First Intergovernmental Meeting, as well as Resolution 2 of the First Intergovernmental Meeting,

Based also on Resolution 2 of the Third Intergovernmental Meeting,

Noting the arrangements made by the Executive Director of UNEP for secretariat support for implementation of the Action Plan,

Noting also the information provided for establishment of Regional Activity Centre (RAC) network and a Regional Coordinating Unit (RCU),

Recognizing the willingness of international and regional organizations to assist in implementation of priority projects,

1. **Decides** to designate the Regional Activity Centres, as described in ANNEX VII of UNEP(WATER)/NOWPAP IG.4/7.
2. **Requests** the Executive Director of UNEP to conclude necessary arrangements with the designated Regional Activity Centres.
3. **Decides also** to establish a Regional Coordinating Unit in the future.
4. **Requests** the Executive Director of UNEP to continuously function as interim secretariat for implementation of the Action Plan until such a time as an RCU for NOWPAP is established.
5. **Urges** the member States of NOWPAP to continue to provide any possible support for UNEP to fulfil its function as the interim secretariat.
6. **Decides** that the steps should be taken as procedure for establishment of a Regional Coordinating Unit:
 - (i) UNEP is requested to prepare a draft procedure, including criteria for selection of a location and a format for preparation of a proposal for inviting to host the RCU, to be distributed to the member States for comments; and
 - (ii) UNEP is requested to finalize the documents by the end of 1999, incorporating the comments of the member States, which should be submitted to the Fifth Intergovernmental Meeting for its approval.
7. **Requests** the Executive Director of UNEP to convene the Fifth Intergovernmental Meeting early in 2000 in the Republic of Korea in order to discuss, *inter alia*, revision of the Workplan and Budget for the 1999/2000 biennium, review of the progress in the establishment of Regional Activity Centres, procedure for establishment of a Regional Coordinating Unit, preparation of the Workplan and Budget for the 2001/2002 biennium, etc.

RESOLUTION 3

FINANCIAL ARRANGEMENTS FOR IMPLEMENTATION OF NOWPAP

The Fourth Intergovernmental Meeting

Based on the Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (Northwest Pacific Action Plan - NOWPAP), adopted at the First Intergovernmental Meeting, as well as Resolution 3 of the First Intergovernmental Meeting,

Based also on Resolution 3 of the Third Intergovernmental Meeting,

Recognizing the desire of the member States of NOWPAP for a prompt, efficient and cost-effective implementation of priority projects in support of the Action Plan,

Recognizing also the need of the member States to reduce the undistributed percentage in the contribution scale,

Encouraging the member States to make their efforts to cooperate with the environmental-related international bodies, local governments, private sectors and citizens to reduce the financial burden of the member States and in support of the objectives of NOWPAP,

1. **Reaffirms** that the sum of US\$500,000 should be the total targeted contribution per year to NOWPAP activities, and that the member States are requested to make contributions to the Trust Fund as sincerely as possible.
2. **Confirms** that a scale of contribution to the NOWPAP Trust Fund from the member States is comprised of a Basic contribution and an Additional contribution. The Basic contribution reflects the sense of common participation and shared responsibility of all the participating States.
3. **Decides** to endorse the following tentative scale of contributions to the Trust Fund for activities in 1999:

COUNTRY	BASIC (percent)	ADDITIONAL (percent)	TOTAL (US\$)
Japan	5	20	125,000
Peoples Republic of China	5	3	40,000
Republic of Korea	5	15	100,000
Russian Federation	5	5	50,000
TOTALS	20	43	315,000

4. **Urges** the member States to review the current scale of contribution before the Fifth Intergovernmental Meeting, and to make efforts to increase their contributions.
5. **Urges also** the member States and the Executive Director of UNEP to explore possibility of securing funds from sources external to the Trust Fund, including private sectors, local governments, and international and regional organizations.

6. Approves the following NOWPAP Trust Fund budget for the 1999-2000 Biennium:

Project	Re-phasing from 1998	1999 budget	2000 budget	total
NOWPAP/1	5,000	59,000	86,000	150,000
NOWPAP/2	5,000	0	0	5,000
NOWPAP/3	5,000	70,000	120,000	195,000
NOWPAP/4	30,000	80,000	40,000	150,000
NOWPAP/5 or coordination of Regional Activity Centres	0	10,000	10,000	20,000
Meeting of Experts and National Focal Points	5,000	0	0	5,000
NOWPAP/6	0	0	0	0
Sub-Total	50,000	219,000	256,000	525,000
13% of the sub-total as Programme Support Cost	6,500	28,670	33,280	68,450
Total	56,500	247,670	289,280	593,450

7. Supports and endorses the decision of the Governing Council of UNEP at its twentieth session to extend the duration of the NOWPAP Trust Fund through 2001.