

NOWPAP POMRAC



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Pollution Monitoring Regional Activity Center**

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Report of 3rd NOWPAP POMRAC Focal Points Meeting

POMRAC, Vladivostok, Russian Federation

13 -14 October 2005

UNEP/NOWPAP/POMRAC/FPM 3/7

NOWPAP POMRAC



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REPORT OF 3rd NOWPAP POMRAC FOCAL POINTS MEETING (Vladivostok, Russian Federation, 13-14 October 2005)

Background leading to this meeting

1. 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, Republic of Korea, 14 September 1994: UNEP(OCA)/NOWPAP/IG.1/5). Resolution 1 identified five areas of priority for implementation of the Action Plan, one of which was NOWPAP/3: Establishment of a collaborative, regional monitoring programme.

2. Following the decision of the 3rd NOWPAP Intergovernmental Meeting, the responsibility for NOWPAP/3 (Regional Monitoring Programme) was jointly shared by the Special Monitoring and Coastal Environmental Assessment Regional Activity Center (CEARAC) and the Pollution Monitoring Regional Activity Center (POMRAC) to carry out regional activities.

3. Following the results of discussions at the First NOWPAP/3 Meeting (Beijing, China, 21-22 May 2001), the 7th NOWPAP Intergovernmental Meeting (Vladivostok, 20-22 March 2002) approved the resolution 3.6, "the demarcation of the responsibilities and activities between CEARAC and POMRAC as presented by the secretariat in document UNEP/NOWPAP IG.7/8". Subsequently POMRAC was allocated with the responsibility to implement activities related to Working Group (WG) 1 "Atmospheric Deposition of Contaminants" and WG 2 - River and Direct Inputs of Contaminants".

4. The 1st Focal Points Meeting of POMRAC (Vladivostok, Russia, 9-11 April 2003) decided that the main task of WG 1 and WG 2 should be to establish regional assessment programs to evaluate the i) atmospheric deposition of contaminants; and ii) river and direct inputs of contaminants into the marine and coastal environment in the NOWPAP region, respectively.

5. The 2nd Focal Points Meeting of POMRAC (Vladivostok, Russia, 26-27 May 2004) adopted the procedure for the compilation and preparation of National Reports for WG 1 and WG 2.

6. The 2nd 'back-to-back' meetings of NOWPAP Working Group 1 and Working Group 2 (10-11 October, 2005, Vladivostok, Russia) have reviewed the National Reports, prepared by NOWPAP Members, provided recommendations on their harmonization and publishing, discussed and adopted Structures of the Regional Overviews for WG 1 and WG 2, discussed and recommended an establishment of the Reference Databases for WG 1 and WG 2.

7. Focal Points and experts of the NOWPAP Members, namely, China, Japan, Korea and Russia participated in the 3rd NOWPAP POMRAC Focal Points Meeting. Coordinator of NOWPAP RCU Toyama Office and representatives of DINRAC, CEARAC and MERRAC also participated in the meeting. The full list of participants is attached to the present report as **Annex 1**.

Agenda Item 1. Opening of the Meeting

8. The 3rd POMRAC Focal Points Meeting was opened at 9:30 am on 13 October 2005 at the Conference Room of the Pacific Geographical Institute, FEBRAS, Vladivostok, Russian Federation. In his statement, Dr. Anatoly KACHUR, Director of NOWPAP Pollution Monitoring Regional Activity Centre, welcomed the FPM participants to Vladivostok.

9. Dr. Alexander TKALIN, NOWPAP Coordinator, greeted the participants of the meeting and stressed that POMRAC plays a leading role in pollution monitoring in the NOWPAP region and that new directions of POMRAC activity and more cooperation with other RACs are expected. He also expressed his gratitude to the Pacific Geographical Institute, FEBRAS, for support of POMRAC activities and for hosting the 3rd FPM. He also wished the meeting to be fruitful and successful.

Agenda Item 2. Organization of the Meeting

10. The meeting unanimously elected Mr. TANAKA Norihiko, the Focal Point of Japan, as the Chairperson, and Dr. WANG Ruibin, the Focal Point of China, as the Rapporteur.

Agenda Item 3. Adoption of the Agenda

11. Dr. KACHUR, POMRAC Director, introduced to the meeting participants the List of Documents (**Annex 2**), the Provisional Agenda (**Annex 3**), the Annotated Provisional Agenda and Timetable (**Annex 3.1**). The meeting adopted the proposed agenda.

Agenda Item 4. Overview of the progress made in the intersessional period after the Second NOWPAP POMRAC Focal Points Meeting

4.1 Report of NOWPAP Coordinator on the implementation of the Northwest Pacific Action Plan

12. Dr. TKALIN, NOWPAP Coordinator, presented to the meeting a report on the progress of the entire NOWPAP activities¹ during the intersessional period including the 9th NOWPAP Intergovernmental Meeting (IGM) held in Busan, the Republic of Korea, 2-4 November 2004, the opening of a Regional Coordinating Unit (RCU) for NOWPAP, and NOWPAP Intersessional Workshop in July 2005 (**Annex 4**). He emphasized several new activities of NOWPAP RACs and necessity of their closer coordination between each other.

4.2 Report of the Director of POMRAC on the activities and the budget expenditures made during the intersessional period after the Second NOWPAP POMRAC Focal Points Meeting

13. Dr. KACHUR, Director of POMRAC reported to the meeting on POMRAC activities in 2004/2005² and the expenditure of POMRAC budget for the 2004/2005 biennium (**Annex 5**). He noted that POMRAC Secretariat has no problems with finalizing and printing National Reports of WG1 (AD) and WG2 (RDI) within the remained 2 months, but there is a delay with starting Regional Overview on the base of the National Reports, and by this reason there is still unspent budget before December 31, 2005.

14. NOWPAP Coordinator, Dr. TKALIN reminded to the meeting participants that unspent money would be returned to the NOWPAP Trust Fund, and the funding for uncompleted activities should be included into the workplan and budget for the biennium of 2006/2007.

Agenda Item 5. Review and adoption of the decisions of the 2nd WG1 Meeting on National Reports "Atmospheric Deposition"

15. The meeting participants agreed with the suggestion of the Chairperson, Mr. TANAKA to combine the agenda items 5 and 7, and 6 and 8 respectively.

¹ The summary of the presentation is attached to this report as Appendix 1.

² The summary of the presentation is attached to this report as Appendix 2.

Agenda Item 7. Review and adoption of the decisions of the 2nd WG2 Meeting on National Reports “River and Direct Inputs”

16. Dr. Svetlana KOZHENKOVA, POMRAC Secretariat presented the decisions of the 2nd NOWPAP WG1 and WG2 Meetings (10-11 October, 2005) on procedure of harmonization and publication of the National Reports (UNEP/NOWPAP/POMRAC/WG1 2/7 and UNEP/NOWPAP/POMRAC/WG2 2/7) respectively. She stressed that the National Experts of WG1 and WG2 decided to finalize and harmonize the National Reports by November 2005. Publishing the reports was proposed to be conducted in December 2005 – January 2006.

17. After a discussion regarding time required for harmonization and getting an official approval for publication of the National Reports from each NOWPAP country, Dr. WANG Ruibin suggested the countries would harmonize the National Reports and send the officially approved National Reports to POMRAC Secretariat by the end of November. POMRAC Secretariat will do only technical reviewing of the reports before publishing. The meeting agreed with the suggestion.

Agenda Item 6. Review and adoption of the Contents of Regional Overview “Atmospheric Deposition”, and approval of Consultant(s) for preparation of the Regional Overview

Agenda Item 8. Review and adoption of the Content of Regional Overview “River and Direct Inputs”, and approval of Consultant(s) for preparation of the Regional Overview

18. Dr. KOZHENKOVA, POMRAC Secretariat presented the Structure of the Regional Overviews adopted during the 2nd NOWPAP WG1 and WG2 Meetings, 10-11 October, 2005 (UNEP/NOWPAP/POMRAC WG1 2/7 and UNEP/NOWPAP/POMRAC WG2 2/7).

19. The meeting discussed the outlines and procedures of compilation of the Regional Overviews. It was agreed to define more accurately the regional and international aspects in Chapter 4 of both Overviews (**Annexes 6 and 7**).

20. The meeting decided also that POMRAC Secretariat would hire consultants to prepare Regional Overviews “Atmospheric Deposition of Contaminants” and “River and Direct Inputs of Contaminants”.

Agenda Item 9. Discussion of possible directions of POMRAC activities for 2006/7 and further. Review and adoption of the Contents of the “STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION”.

21. Dr. KACHUR, POMRAC Director, presented the Contents of the “STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION” (**Annex 8**).

22. Dr. TKALIN, NOWPAP Coordinator, reminded the participants that NOWPAP has already an experience in preparation of such studies during the previous 10 years, however these reports have never been published. This activity is very important for NOWPAP. He also mentioned similar reports prepared in other regions like the Baltic Sea (HELCOM), the North Sea (OSPAR) and the Mediterranean Sea (MAP). Besides that, NOWPAP RACs prepared several specific reports now and it is time to compile the overall document like this State of Marine Environment Report using the obtained results.

23. The meeting discussed the procedures of compilation of the report, required budget and hiring consultants. It was decided that POMRAC Secretariat would be the driving force and responsible for compilation of the report. POMRAC Secretariat will prepare the time table with proposed inputs of NOWPAP RACs (in-kind or other), budget and necessity for attraction of consultants outside of NOWPAP RACs.

24. Dr. KACHUR, POMRAC Director presented the decisions of the 2nd NOWPAP WG1 and WG2 Meetings (10-11 October, 2005) on the establishment of the Reference Databases on Atmospheric Deposition (AD Reference Database) and River and Direct Inputs (RDI Reference Database) of Contaminants into the Marine and Coastal Environment in the NOWPAP Region (UNEP/NOWPAP/POMRAC/WG1 2/7, Annex 6, and UNEP/NOWPAP/POMRAC/WG2 2/7, Annex 6). He noted that POMRAC Secretariat plans to consult with DINRAC on preparing ToR for this work. The first structure of the Reference Database is proposed to be completed in January - March 2006.

25. Regarding the establishment of the Reference Databases, close consultations with DINRAC are necessary in order to avoid duplication.

26. Comments of the meeting participants were taken into account while discussing of POMRAC Workplan and Budget for the next biennium.

Agenda Item 10. Discussion and adoption of the Workplan and Budget for POMRAC in the 2006/2007 biennium

27. Dr. KACHUR, POMRAC Director presented to the meeting the draft Workplan and Budget for POMRAC in the 2006/2007 biennium.

28. After a lengthy discussion, the meeting adopted the POMRAC Workplan and Budget for 2006/2007 (**Annex 9**). Some new activities are pending until the decisions of the 10th NOWPAP IGM are made.

Agenda Item 11. Arrangement date and venue of the Fourth NOWPAP POMRAC FPM

28. After a discussion, the participants agreed to hold the 4th POMRAC FPM in Mid April 2006 in Vladivostok, Russian Federation or other city in the NOWPAP Region.

Agenda Item 12. Other Matters

29. Dr. KACHUR, POMRAC Director informed the participants that a meeting on creation of association of marine and island biosphere reserves has been held in September 2005 on Jeju Island. At that meeting it was agreed to organize background monitoring of marine environment with funding support from UNESCO.

Agenda Item 13. Adoption of the report of the meeting

30. The meeting reviewed and adopted the report of the meeting prepared by the Rapporteur and the Secretariat.

Agenda Item 14. Closure of the Meeting

31. The Chairperson declared the meeting closed at 15:00 on Friday, 14 September 2005.



Participants of 3rd NOWPAP POMRAC Focal Points Meeting
(Vladivostok, Russian Federation, 13-14 October, 2005)

Annex

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Annex 1

List of participants of 3rd NOWPAP POMRAC Focal Points Meeting

Annex 1

List of participants of the 3rd NOWPAP POMRAC Focal Points Meeting

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Annex 2

List of documents for the Third NOWPAP POMRAC Focal Points Meeting

Annex 2

List of documents for the 3rd NOWPAP POMRAC Focal Points Meeting

Timetable Provisional Agenda	UNEP/NOWPAP/POMRAC/FPM 3/1
Annotated Provisional Agenda	UNEP/NOWPAP/POMRAC/FPM 3/2
Report of the NOWPAP Coordinator on the implementation of the NORTHWEST PACIFIC ACTION PLAN	UNEP/NOWPAP/POMRAC/ FPM 3/3
Report on the activities of NOWPAP POLLUTION MONITORING REGIONAL ACTIVITY CENTER (POMRAC NOWPAP) in 2004/2005	UNEP/NOWPAP/POMRAC/ FPM 3/4
STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION	UNEP/NOWPAP/POMRAC/ FPM 3/5
Draft Workplan and Budget for POMRAC in 2006/2007	UNEP/NOWPAP/POMRAC/ FPM 3/6
Provisional list of participants	UNEP/NOWPAP/POMRAC/ FPM 3/Inf. 1
Report of the 2 nd Meeting of NOWPAP Working Group 1 - Atmospheric Deposition of Contaminants into the Marine and Coastal Environment	UNEP/NOWPAP/POMRAC/WG1 2/7
Report of the 2 nd Meeting of NOWPAP Working Group 2 - River and Direct Inputs of Contaminants into the Marine and Coastal Environment	UNEP/NOWPAP/POMRAC/WG2 2/7

Annex 3
Provisional Agenda

Annex 3

Provisional Agenda

Day 1 (October 13, 2005)

1. Opening of the Meeting
2. Organization of the meeting
 - Election of the officers
 - Organization of work
3. Adoption of the Agenda
4. Overview of the progress made in the intersessional period after the Second NOWPAP POMRAC Focal Points Meeting
 - 4.1. Report of the NOWPAP Coordinator on the implementation of the Northwest Pacific Action Plan
 - 4.2. Report of the Director of POMRAC on the activities and the budget expenditures made during the intersessional period after the Second NOWPAP POMRAC Focal Points Meeting
5. Review and adoption of the decision of the 2nd WG1 Meeting on National Reports **“Atmospheric Deposition”**
6. Review and adoption of the Content of General Overview **“Atmospheric Deposition”**, and approval of Consultant(s) for preparation of the General Overview
7. Review and adoption of the decision of the 2nd WG2 Meeting on National Reports **“River and direct inputs”**
8. Review and adoption of the Content of General Overview **“River and direct inputs”**, and approval of Consultant(s) for preparation of the General Overview
9. Discussion of possible directions of POMRAC activity for 2006/7 and further. Review and adoption of the Content of the “STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION”

Day 2 (October 14, 2005)

10. Discussion and adoption of the Workplan and Budget for POMRAC in the 2006/2007 biennium
11. Arrangement date and venue of the Forth NOWPAP POMRAC Focal Points Meeting
12. Other matters
13. Adoption of the report of the meeting
14. Closure of the meeting

Annex 3.1
Timetable

Annex 3.1

Timetable

Day 1 (October 13, 2005)

9:00 – 9:30 Registration

9:30 – 9:45 Agenda Item 1. Opening of the Meeting

9:45 – 10:00 Agenda Item 2. Organization of the Meeting

10:00 – 10:10 Agenda Item 3. Adoption of the Agenda

10:10 – 11:20 Agenda Item 4. Overview of the progress made in the intersessional period after the Second NOWPAP POMRAC Focal Points Meeting

10:10 – 10:40 4.1. Report of the NOWPAP Coordinator on the implementation of the Northwest Pacific Action Plan

10:40 – 11:20 4.2. Report of the Director of POMRAC on the activities and the budget expenditures made during the intersessional period after the Second NOWPAP POMRAC Focal Points Meeting

11:20 – 11:50 (Coffee Break) (Group Photograph)

11:50 – 12:20 Agenda Item 5. Review and adoption of the decision of the 2nd WG1 Meeting on National Reports “Atmospheric Deposition”

12:20 – 12:40 Agenda Item 6. Review and adoption of the Content of General Overview “Atmospheric Deposition”, and approval of Consultant(s) for preparation of the General Overview

12:40 – 14:30 Lunch Break

14:30 – 15:00 Agenda Item 7. Review and adoption of the decision of the 2nd WG2 Meeting on National Reports “River and direct inputs”

15:00 – 15:30 Agenda Item 8. Review and adoption of the Content of General Overview “River and direct inputs”, and approval of Consultant(s) for preparation of the General Overview

15:30 – 17:00 Agenda Item 9. Discussion of possible directions of POMRAC activity for 2006/7 and further. Review and adoption of the Content of the “STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION”

Day 2 (October 14, 2005)

9:30 – 11:30 Agenda Item 10. Discussion and adoption of the Workplan and Budget for POMRAC in the 2006/2007 biennium

11:30 – 11:50 (Coffee Break)

**11:50 – 12:10 Agenda Item 11. Arrangement date and venue of the Forth NOWPAP
POMRAC Focal Points Meeting**

12:10 – 12:20 Agenda Item 10. Other Matters

12:30 – 16:00 Lunch Break

Preparation of the meeting report by the Secretariat

16:00 – 17:30 Agenda Item 11. Adoption of the report of the meeting

17:30 Agenda Item 12. Closure of the Meeting

Annex 4

Report of the NOWPAP Coordinator on the implementation of the NORTHWEST PACIFIC ACTION PLAN

Annex 4

REPORT OF THE NOWPAP COORDINATOR ON THE IMPLEMENTATION OF THE NORTHWEST PACIFIC ACTION PLAN

The following progress report on the implementation of NOWPAP activities covers the period since the Ninth IGM in November 2004 till September 2005.

9th IGM decisions

At the 9th IGM (November 2004, Busan, Korea), the following decisions were made.

1. To convene an Intersessional Workshop to discuss new directions of work of NOWPAP RACs, to be held around mid-2005 in the Republic of Korea. The workshop will be attended by the NOWPAP National Focal Points and experts. Financial support for the travel of two representatives of each country and the secretariat will be covered by the NOWPAP Trust Fund.
2. To develop the activity on sustainable management of marine litter in the NOWPAP region. The programme of work and budget for this activity should be developed by the RCU for the next biennium, based on consultations between the NOWPAP National Focal Points, the RACs and the planned Intersessional Workshop, and be presented by the RCU for consideration at the Tenth Intergovernmental Meeting.
3. To discuss the proposal on the increased contributions to the NOWPAP Trust Fund during the Intersessional Workshop in 2005.
4. To conduct further consultations regarding the proposal from Japan on the expansion of geographical coverage of the NOWPAP Regional Oil Spill Contingency Plan. This proposal will be discussed during the Tenth Intergovernmental Meeting.
5. To endorse in principle the concept paper on the GEF proposal "Addressing Land-Based Activities that Affect the Marine and Coastal Environment in the Northwest Pacific Region", subject to the request that UNEP DGEF will circulate via e-mail a revised project concept, incorporating the comments and addressing the concerns raised during this meeting. The UNEP and the NOWPAP RCU should further proceed with the work on this proposal by submitting the concept paper to the GEF for approval.

The following is the short overview of the main actions undertaken by the Regional Activity Centres (except CEARAC) and the RCU since the 9th IGM.

CEARAC - The Special Monitoring and Coastal Environmental Assessment Regional Activity Centre

The CEARAC is responsible for implementing activities under Working Group 3 - Harmful Algal Blooms (HABs) and Working Group 4 - Remote Sensing (RS) of the Marine and Coastal Environment. After the 9th IGM, reports of both Working Group meetings (which were held in 2004) were published and distributed. The National Reports on Harmful Algal Blooms (HABs) and on applications of Remote Sensing (RS) for Monitoring of the Marine and Coastal Environment in the NOWPAP Region are being finalized. The Integrated Reports on both issues will be prepared and published in 2005-2006. The regional Workshop on HAB was successfully organized by CEARAC on 30 June-1 July 2005 in Toyama, Japan. During this Workshop, the informal Working Group meetings will be held. The Focal Points Meeting to discuss CEARAC

plans for 2006-2007 biennium was held on 15-16 September 2005 in Toyama. The regional Workshop on marine litter will be organized by CEARAC in November 2005 in Toyama, Japan.

DINRAC - Data and Information Network Regional Activity Centre

The DINRAC has continued to develop and update its website where many documents related to NOWPAP and the UNEP Regional Seas Programme are available. DINRAC National Reports on Data and Information Networks in the Northwest Pacific Region were published as both hard copy and CD-ROM. Report of the 3rd DINRAC Focal Points Meeting was also published and distributed in 2005. DINRAC updated the Databases on NOWPAP Institutions and NOWPAP Experts on Coastal and Marine Environment intended as a tool for scientists, policy-makers and anyone else who is interested in getting information on coastal or marine environmental experts and institutions in the NOWPAP region. Both these databases are available on CD-ROM. Currently, two DINRAC activities are under way: 1) Development of a Framework for the Creation of NOWPAP DINRAC Meta-database; and 2) Study of Existing GIS-type Products. The MOUs with national experts who will implement these activities are already signed. On 27-28 September 2005, DINRAC held the 4th Focal Points Meeting to discuss proposals for 2006-2007 biennium.

MERRAC - Marine Environmental Emergency Preparedness and Response Regional Activity Centre

In May 2005, MERRAC 8th Focal Points Meeting was held in Daejeon, Korea, to discuss recent results and proposals for 2006-2007 biennium. At the same time, 1st Competent National Authorities Meeting was held within the NOWPAP Regional Oil Spill Contingency Plan. MERRAC has finalized three specific projects: on shoreline clean-up; on environmental sensitivity mapping; and on dispersant application, which will be published later this year. MERRAC specific projects on regional mapping of vulnerable resources; on oil spill modeling; and on minimum level of preparedness, will be implemented in 2006-2007 (pending approval by the 10th IGM). Reports of the 2004 MERRAC Expert Meeting and 8th FPM were published and distributed in 2005. Due to hard work of MERRAC staff, NOWPAP countries have agreed on the Regional Oil Spill Contingency Plan and signed the Memorandum of Understanding for this Plan in 2004-2005.

RCU

The co-hosted RCU offices in Toyama and Busan were inaugurated in November 2004. The recruitment of staff members for both RCU offices was finalized in April 2005. The establishment of the RCU is a crucial landmark in the history of NOWPAP and will improve the effectiveness and efficiency of the implementation of the Action Plan. The new secretariat has commenced the important task of coordinating NOWPAP from the region. In February-March, the RCU staff members have visited UNEP and UNON in Nairobi for short training and orientation. Now both RCU offices are fully operational and are working in close contact with National Focal Points, NOWPAP RACs, UNEP HQ, UNON and UNEP GPA office in the Hague to ensure that all NOWPAP activities are being implemented in time, within the allocated budget and according to the UN rules and regulations.

Contacts with relevant organizations, programmes and projects

After establishment of both offices in Toyama and Busan, RCU staff have established contacts with the following organizations, programmes and projects in the region (in alphabetical order):

- East Asian Seas Regional Coordinating Unit (EAS/RCU);
- Global International Waters Assessment (GIWA);
- Kanazawa University Center of Excellence Programme;
- North East Asian Regional – Global Ocean Observing System (NEAR-GOOS);
- GEF/UNDP/IMO Regional Programme on Partnerships in Environmental Management for the Seas of East Asia (PEMSEA);

- North Pacific Marine Science Organization (PICES);
- UNEP/GEF South China Sea Project;
- UNESCO/IOC Sub-Commission for the Western Pacific (WESTPAC);
- UNDP/GEF Project on the Yellow Sea Large Marine Ecosystem (YSLME);

This work will be continued on a permanent basis.

Public awareness

As part of public awareness strategy, the RCU staff members have visited the key ministries and organizations involved in NOWPAP activities in all member countries: Japan, the People's Republic of China, the Republic of Korea and the Russian Federation. RCU staff members also visited local authorities in Toyama and Busan and were in touch with media and environmental NGOs. As a result, from November 2004 to September 2005, about 40 articles about NOWPAP were published in Japan in Korea.

RCU offices in Busan and Toyama attracted many visitors from Korea and Japan as well as from abroad. RCU staff members also participated in some local and regional meetings to increase public awareness about NOWPAP.

The work to increase awareness of general public regarding NOWPAP activities will be continued by the RCU (as well as by RACs). For example, contacts with NGOs will be developed within the marine litter initiative. The NOWPAP website – an important tool to increase public awareness – is now being developed and will be launched in October 2005.

NOWPAP Intersessional Workshop

According to the 9th IGM decision, the Workshop was held on 25-26 July 2005. NOWPAP member states preliminary agreed to increase their annual contributions to the NOWPAP Trust Fund; to start Marine Litter Activity (MALITA); and to modify the directions of work of NOWPAP RACs. The final decisions on these issues will be made by the 10th NOWPAP Intergovernmental Meeting in November 2005.

GEF PDF-B proposal

The GEF PDF-B proposal on the Assessment and Management of Land-Based Activities in the NOWPAP region is being finalized by UNEP DGEF in close consultations with the GEF Secretariat, UNEP RS and UNEP GPA offices and NOWPAP RCU. The focus of the new proposal is on Persistent Toxic Substances (PTS). The final project concept will be submitted to the GEF Secretariat in late 2005.

Other issues

According to the 9th IGM decisions, the proposal on Marine Litter Activity (MALITA) has been developed by UNEP consultant and NOWPAP RCU. All NOWPAP members nominated National Marine Litter Focal Points who are now working with national authorities and related organizations to ensure coordination of NOWPAP MALITA with national activities on marine litter. The MALITA proposal was discussed and approved in general at the NOWPAP Intersessional WS in July 2005.

The documents related to NOWPAP-2 project (legal issues) were retrieved from Nairobi for further consideration. The current status and proposal on future actions was discussed at the NOWPAP Intersessional WS in July 2005. Now the regional overview on NOWPAP/2 project is being updated by member states. The final version might be available in late 2005.

The year 2005 is critical for NOWPAP. According to the decisions of last NOWPAP IGMs, the directions of work of NOWPAP RACs should be re-considered and modified as necessary in

order to ensure the future success of NOWPAP. The RCU now has the important and challenging task to reorganize NOWPAP, to introduce the demarcation of new responsibilities to the RACs and to coordinate these new directions.

Annex 5
Report on the activities of NOWPAP Pollution Monitoring
Regional Activity Center (POMRAC NOWPAP) in 2004/2005

Annex 5

REPORT ON THE ACTIVITIES OF NOWPAP POLLUTION MONITORING REGIONAL ACTIVITY CENTER (POMRAC NOWPAP) in 2004/2005

(2004 through October, 2005)

Background

Pollution Monitoring Regional Activity Center of UNEP Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP) was formed by NOWPAP Fourth Intergovernmental Meeting (Beijing, China, April 6-7, 1999) on the basis of the Pacific Geographical Institute of the Far Eastern Branch of Russian Academy of Sciences (Vladivostok).

In its work POMRAC is guided by UNEP Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region, the Resolutions of NOWPAP First Intergovernmental Meeting (Seoul, Korea, September 14, 1994), the Resolutions of NOWPAP Third Intergovernmental Meeting (Vladivostok, Russia, April 9, 1998), NOWPAP Fourth Intergovernmental Meeting (Beijing, CHINA, April 6-7, 1999) and NOWPAP Seventh Intergovernmental Meeting (Vladivostok, Russia, March 20-22, 2002).

POMRAC work on the territory of Russia is guided by the Constitution of the Russian Federation, laws and other norms of Russian legislation, UNEP management directives. The Russian national NOWPAP body is the Ministry of Natural Resources with Centre for International Projects acting as its executive body.

The overall goal of POMRAC is the coordination of activity and establishment of cooperation in regional monitoring of marine and coastal environment of the Northwest Pacific Region (NOWPAP/3) under the program NOWPAP UNEP.

Following the results of discussions at the First NOWPAP/3 Coordinating Committee Meeting (Beijing, 21-22 May 2001), the 7th Intergovernmental Meeting (Vladivostok, 20-22 March 2002) shared the responsibilities and activities between CEARAC and POMRAC as presented in document UNEP/NOWPAP IG.7/8. POMRAC will be fully responsible for two working groups: WG 1 - Atmospheric Deposition of contaminants into the marine and coastal environment; and WG 2 – River and Direct Inputs of contaminants into the marine and coastal environment.

The 8th Intergovernmental Meeting approved the budget of \$150,000 for 2004/2005 for POMRAC activities.

The main functions and tasks of POMRAC are:

- To collect relevant information on the introduction of the program of regional monitoring of marine and coastal environment of the Northwest Pacific Region (NOWPAP/3).
- To organize meetings of Working Groups under the plan approved by the member states at intergovernmental meetings.
- To collect information on technologies and know-how in the field of monitoring of the sea, coastal and associated fresh waters as well as the atmosphere in NOWPAP region.
- To develop training programs, to plan and organize training courses and technical seminars.
- To coordinate an exchange of monitoring results in the network of monitoring stations which are included in NOWPAP/3 system and to give these results to other NOWPAP projects and organizations.
- To provide regular reports on the activity of Regional center and to submit these results to NOWPAP Intergovernmental Meetings.
- To publish the technical reports, manuals, bulletins etc. as results of NOWPAP activity.

- To continuously inform the population and organizations concerned on the condition of sea, coastal and associated fresh waters as well as the atmosphere in the NOWPAP region.
- To maintain contacts with POMRAC Working groups and with the appropriate national and regional international organizations in NOWPAP member states to achieve the objectives and tasks of the UNEP NOWPAP.
- To provide the necessary methodical and, when possible, technical assistance for organizations of the NOWPAP countries in efforts and techniques of monitoring of sea, coastal and associated fresh waters and the atmosphere. To organize data intercalibration in cooperation with other international and regional organizations concerned, first of all IOC UNESCO. To promote harmonization of the approaches and techniques used in NOWPAP/3 monitoring network.
- To consider and, in consultation with RCU NOWPAP, to undertake other necessary initiatives to achieve the objectives and tasks of the Action Plan in the field of pollution monitoring.

Within its terms of reference and under current legislation, POMRAC has the rights:

- To liaise with NOWPAP partners; To participate in NOWPAP work on adjacent subjects;
- To involve specialists and experts in the preparation of materials on NOWPAP problems, to form regional environmental cooperation expert boards in consultation with the national coordinator, Center for International Projects.
- To participate in an information exchange on regional environmental problems in accordance with national rules and procedures;
- To conduct meetings and other activities on realization of POMRAC NOWPAP thematic sectors and the program as a whole and on adjacent subjects;
- To prepare recommendations for national and international partners concerned in prospective lines of activity of POMRAC NOWPAP;
- To conduct analysis of information on the problems of international environmental cooperation in the region;
- To advise organizations, institutions and individual experts on international environmental cooperation in the region;
- To correspond with the POMRAC partners on routine matters.

Outline of POMRAC

The managerial functions of POMRAC are executed by POMRAC Directorate on the basis of Pacific Geography Institute of the Far Eastern Branch of the Russian Academy of Sciences and the Center for International Projects. Day-to-day technical-organizational work is to be done by the assigned researchers and technicians from Pacific Geography Institute of the Far Eastern Branch of the Russian Academy of Sciences.

Staff

Three staffers of PGI have been engaged in the work related to POMRAC activities.

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Main Responsibilities

In accordance with the decision of NOWPAP Eighth Intergovernmental Meeting, with the budget approved at this meeting and with the main lines of POMRAC work the following activities are scheduled for 2004 – 2005:

1. Development of the primary goals, and structure of national and regional reports for working groups.
2. Holding the 1st Working Group Meetings,
3. Holding the 2nd Working Group Meetings,
4. Holding the 2nd POMRAC Focal Points Meeting
5. Preparation of the basic formats for National Reports.
6. Preparation of the basic formats for Regional overviews.
7. Preparation of the Structure of the State Marine Environment for NOWPAP Region.
8. Support of POMRAC website.

Main Activities:

The First Joint Meeting of NOWPAP POMRAC Working Groups (WG1 and WG2) was held during 24-25 May 2004 in Vladivostok, Russian Federation

The major objectives of this meeting were:

- to agree on the Terms of Reference for the Working Group 1 (Atmospheric Deposition) and Terms of Reference for the Working Group 2 (River and Direct Inputs) of POMRAC NOWPAP;
- to provide guidance for the work of both Working Groups;
- to agree Structures of the National Reports on Atmospheric Deposition and River and Direct Inputs of Contaminants;
- to recommend Workplan of WG1 and WG2 to the 2nd POMRAC FPM for 2004/5.

The participants of the 1st Joint Meeting of NOWPAP POMRAC Working Groups were nominated POMRAC Focal Points of four NOWPAP Members, experts from NOWPAP members, a representative of UNEP, representatives of the Far Eastern Branch of the Russian Academy of Science and the Ministry of Nature Resources of the Russian Federation, the director of CEARAC, representatives of DINRAC and MERRAC.

The report of the 1st Joint Meeting of NOWPAP POMRAC Working Groups published and distributed to all NOWPAP members by POMRAC.

This report is on WEBSITE of POMRAC NOWPAP <http://www.pomrac.dvo.ru>.

The Second Focal Points Meeting of POMRAC was held during 26-27 May 2004 in Vladivostok, Russian Federation.

The major objectives of this meeting were consideration and approval of:

- the report on the activities of POMRAC in 2003;
- the Terms of Reference for the Working Group 1 (Atmospheric Deposition) and Terms of Reference for the Working Group 2 (River and Direct Inputs) of POMRAC NOWPAP;
- the Structures of the National Reports on Atmospheric Deposition and River and Direct Inputs of Contaminants;

The 2nd FPM recommends the budget and Workplan of POMRAC for 2004/5 for the next NOWPAP Intergovernmental Meeting.

The participants of the Second FPM were the nominated Focal Points of four NOWPAP Members (Annex), invited experts from NOWPAP Members, representatives of UNEP, of the Far Eastern Branch of the Russian Academy of Science, the Ministry of Natural Resources of the Russian Federation, the director of CEARAC and representatives of DINRAC and MERRAC.

The report of the 2nd Focal Points Meeting of POMRAC was published and distributed among all NOWPAP members by POMRAC. This report is on WEBSITE of POMRAC NOWPAP <http://www.pomrac.dvo.ru>.

Total costs of expenses for carrying out 'Back to Back' the 1st Meeting of WG 1, WG 2 and 2nd FPM have made 36000 dollars.

9th Intergovernmental Meeting on the Northwest Pacific Action Plan (Busan, The Republic of Korea 2-4 November 2004).

Director of POMRAC presented for approval REPORT ON THE ACTIVITIES OF NOWPAP POLLUTION MONITORING REGIONAL ACTIVITY CENTER (POMRAC) IN 2003/2004, Workplan and Budget for 2005.

The 9th IGM approved all POMRAC documents and budget for NOWPAP for 2005.

The Second Joint Meeting of NOWPAP POMRAC Working Groups (WG1 and WG2) was held during 10-11 October 2005 in Vladivostok, Russian Federation

The major objectives of this meeting were:

- Overview of National Reports, prepared by National Experts of WG 1 (Atmospheric Deposition) and National Experts Working Group 2 (River and Direct Inputs) of POMRAC NOWPAP;
- Recommendations for harmonization and publishing of National Reports of WG1 and WG2;
- To agree Structures of the Regional Assessment/Overview for WG 1 and WG 2;
- The establishment of the Reference Database on Atmospheric Deposition of Contaminants into the Marine and Coastal Environment in NOWPAP Region (AD Reference Database) and the Reference Database on River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region (RDI Reference Database);
- To recommend Workplan of WG1 and WG2 to the 3rd POMRAC FPM for 2006/7.

The participants of the 2nd Joint Meeting of NOWPAP POMRAC Working Groups were nominated POMRAC Focal Points of four NOWPAP Members, experts from NOWPAP members the representative of NOWPAP RCU Toyama Office also participated in the meeting. The representatives of Special Monitoring & Coastal Environmental Assessment Regional Activity Centre (CEARAC) participated in the meeting as observers.

Other activities

During June – July 2004 POMRAC worked on edition of reports of the 1st Joint Meeting of NOWPAP POMRAC Working Groups (WG1 and WG2) and of the 2nd Focal Points Meeting of POMRAC. The Reports were published in October 2004. **Cost of the publication was included in expenses for the held meetings.**

In June - August, 2004 Terms of Reference for National Consultants for preparation of the National Report and the basic formats for preparation of National Reports of the NOWPAP countries (tables, maps and others) were prepared by POMRAC after their approval by the National Focal Points.

In August, 2004 projects of contracts (Memorandums of Understanding) with National Experts for preparation of National Reports were prepared. Signing of contracts was not carried out before March 2005 because of existing problems with financing through the Russian banks. Only by assistance of RCU and UNEP we solved the problem in the beginning of March, 2005.

During July - August all National Reports of Working Group 1 (AD) and practically all of National Reports of Working Group 2 (RDI) (except report by National Expert of ROK) were received. Payments for expert work of 37500 US dollars were made. Remuneration for the expert from Republic of Korea for the Report for Working Group 2 (2,500 US\$) has not been carried out yet.

Director of POMRAC participated in **Intersessional Workshop 2005** in Seoul in July, 2005. Together with other RACs, during this meeting there was achieved the arrangement on preparation of **“STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION”**. We shall discuss provisional structure of the document and its terms later.

Intersessional Workshop requests the NOWPAP Secretariat to provide more detailed description of the four RACs' future activities, advised by Member States and each RAC, for further discussion at the Tenth Intergovernmental Meeting, reflecting the comments and suggestions made by NOWPAP Member States.

Representatives of POMRAC participated in FPMs of other regional NOWPAP centers: MERRAC (2005, May); CEARAC (2005, September); DINRAC (2005, September).

In 2004-2005 POMRAC took part in work of two Workshops of GIWA (Program GIWA UNEP) on the problems of preservation of the environment devoted to NOWPAP region. POMRAC secretariat and POMRAC National Experts have prepared two GIWA reports in which priority problems of environmental condition of NOWPAP region are determined.

Charges on these actions are carried out at the expense of additional funds (outside of the voted POMRAC budget).

In 2005 POMRAC took part in preparation of recommendations for expansion of a network of biosphere reserves of region for improvement of background monitoring system of the environment (Program MAB UNESCO) and in work of 9th International Workshop of East Asia Biosphere Network. Charges on these actions are carried out at the expense of additional funds (outside of the voted POMRAC budget).

During the accounting period POMRAC website was supported.

Workplan and Budget for POMRAC in 2004/2005as decided by the 2nd POMRAC Focal Points Meeting; Vladivostok, 26-28 May 2004

Activity	Actions and planned date	Responsibility	Remarks	Budget US\$
'Back to Back' Meeting of WG 1, WG 2 and 2 nd FPM	May 2004	POMRAC with assistance of UNEP	Vladivostok, Russia,	36,000
Preparation of the National Report of WG 1	June 2004 – February 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP member States	20,000
Preparation of the National Report of WG 2	June 2004 – February 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP Member States	20,000
'Back to Back' Meeting of WG 1, WG 2 and 3 rd FPM	May 2005	POMRAC with assistance of RCU and UNEP	POMRAC, Vladivostok	33,000
Harmonization of WG 1 National Reports	February – May 2005	POMRAC through regional consultant		6,000
Harmonization of WG2 National Reports	February – May 2005	POMRAC through regional consultant		6,000
Printing of National Reports				4,000
Preparation of the Regional Assessment and Overview WG 1	June 2005 – 2005	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10,000
Preparation of the Regional Assessment and Overview WG 2	June 2005 – 2005	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10,000
Website	Throughout 2004/5	POMRAC		2,000
Cooperation, coordination of POMRAC activities and communication maintenance)	Throughout 2004/5	POMRAC in cooperation with RCU, UNEP, UNESCO/IOC and relevant regional organizations		3,000
Total				150,000

Expenditures for POMRAC in 2004/2005

Activity	Actions and planned date	Term of execution	Responsibility	Remarks	Planned Budget US\$	Expenditures as of Nov. 2005
'Back to Back' Meeting of WG 1, WG 2 and 2 nd FPM	May 2004	May 2004	POMRAC with assistance of UNEP	Vladivostok, Russia,	36 000	36 000
Preparation of the National Report of WG 1	June 2004 – February 2005	February 2005 – July 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP member States	20 000	20 000
Preparation of the National Report of WG 2	June 2004 – February 2005	February 2005 – July 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP Member States	20 000	20 000 (2 500)*
'Back to Back' Meeting of WG 1, WG 2 and 3 rd FPM	May 2005	October 2005	POMRAC with assistance of RCU and UNEP	POMRAC, Vladivostok	33 000	36 000 (***)
Harmonization of WG 1 National Reports	February – May 2005	October-November 2005	POMRAC	POMRAC through national experts	6 000	6 000 (**)
Harmonization of WG2 National Reports	February – May 2005	October-November 2005	POMRAC	POMRAC through national experts	6 000	6 000 (**)
Printing of NOWPAP Booklet		August - September 2005				1 000 ****
Printing of National Reports	Autumn 2005	Winter 2005/2006			4 000	4 000
Preparation of the Regional Assessment and Overview WG 1	June 2005 – 2005	November 2005- February 2006	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10 000	5 000 (**)
Preparation of the Regional Assessment and Overview WG 2	June 2005 – 2005	November 2005- February 2006	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10 000	5 000 (**)
Website	Throughout 2004/5		POMRAC		2 000	2 000

Activity	Actions and planned date	Term of execution	Responsibility	Remarks	Planned Budget US\$	Expenditures as of Nov. 2005
Cooperation, coordination of POMRAC activities and communication maintenance)	Throughout 2004/5		POMRAC in cooperation with RCU, UNEP, UNESCO/IOC and relevant regional organizations		3 000	3 000
Total					150 000	144 000

* Last payments after 3 FPM.

** Advance payments after 3 FPM

*** Because of change of the schedule of flights at the airport time of stay of some participants in Vladivostok will increase in comparison with an estimated time the sum will be higher.

**** Preparation and the publication of the booklet about NOWPAP on Russian/English.

ANNEX**POMRAC Focal Points:****Japan***Till July 2004*

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Annex 6

Structure and Content of Regional Overview on Atmospheric Deposition of Contaminants into the Marine and Coastal Environment in NOWPAP Region

Annex 6

Structure and Content of Regional Overview on Atmospheric Deposition of Contaminants into the Marine and Coastal Environment in NOWPAP Region

1. Executive Summary

2. Introduction

- Goals and objectives of the Overview
- General background information on NOWPAP (set the Overview in the context of NOWPAP, short history, decisions)
- General information/introduction on atmospheric deposition of contaminants (what is it, why is it important, relevance to the region etc.)
- Geographical scope of NOWPAP area (geographical coverage of the report, major rivers, coasts, mountains, cities, climatic systems, physical geography etc.)
- Sources for developing these reports

3. **Social and economic situation in 2002** (short overview of relevant social and economic aspects related to atmospheric deposition, e.g. population, distribution of communities in the country (mainly coastal or inland communities), main income, anthropogenic activities which cause atmospheric deposition, transport, energy, industry)

4. **National and Regional / International monitoring and research activities related to atmospheric deposition of contaminants**

4.1 National and Regional / International programmes (major scientific or administrative programmes, actors/organizations etc., institutional framework, regular or irregular activities/projects, number and location of stations, existing monitoring parameters (chemical, physical and others) and frequency, etc., including tables and maps).

4.2 Methodologies/procedures (including equipment used, detection limits and accuracy – preferably in tabular form [sample tables to be provided by POMRAC Secretariat], QA/QC procedures applicable to atmospheric deposition used in each NOWPAP country)

4.3 Research activities (national and regional / international) (related to atmospheric deposition in NOWPAP region)

4.4 Training activities (related to atmospheric deposition)

5. **Present situation** of atmospheric deposition of contaminants (based on 2002 data) and long term trends, if available.

6. **Recommendations for future regional activities and priorities** (related to atmospheric deposition in NOWPAP region)

7. **Conclusions**

8. **References** (related publications, websites and other information sources available related to Atmospheric Deposition)

Annex (s):

National and International Laws and Regulations (overview of relevant policies and laws related to the subject)

Procedure for the compilation and preparation of the Regional Overview
on Atmospheric Deposition of Contaminants into the Marine and Coastal Environment in
NOWPAP Region

The procedure includes the following stages:

1. The Regional Overview will be compiled on the basis of “Structure and Contents of Regional Overview” agreed upon by the 3rd NOWPAP POMRAC Focal Points Meeting. Different sources, and first of all National Reports of WG 1, may be used for compilation of the Regional Overview.
2. The Regional Overview will be prepared by consultant from any NOWPAP Member Countries. Financial support for the preparation of the Regional Overview will be provided by POMRAC, according to guidance of POMRAC FPs.
3. Draft Regional Overview will be submitted to POMRAC Secretariat by the consultant. POMRAC Secretariat will submit Draft Regional Overview to the WG1 and POMRAC Focal Points by e-mail. After receiving comments from WG1 and POMRAC FPs (within 30 days), the overview will be amended by the consultant and submitted to the next POMRAC FPM for review and adoption.
4. The next POMRAC FPM will discuss and agree whether the Regional Overview is completed. When finalized, the Regional Overview will be printed as a POMRAC technical report.

Annex 7

Structure and Content of Regional Overview on River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region

Annex 7

Structure and content of Regional Overview on River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region

1. Executive Summary

2. Introduction

- Goals and objectives of the Overview
- General background information on NOWPAP (set the Overview in the context of NOWPAP, short history, decisions)
- General information/introduction on river and direct inputs of contaminants (what is it, why is it important, relevance to the region etc.)
- Geographical scope of NOWPAP area (geographical coverage of the report, major rivers, coasts, mountains, cities, climatic systems, physical geography etc.)
- Sources for developing these reports

3. **Social and economic situation in 2002** (including the historical review for the last decade; Short overview of relevant social and economic aspects related to river and direct inputs of contaminants. e.g. population, distribution of communities, anthropogenic activities which cause river and direct inputs of contaminants - transport, energy, industry)

4. **Monitoring and assessment activities in NOWPAP Member Countries** (related to river and direct inputs of contaminants)

4.1. National and regional / international program(s) (major scientific or administrative programs, actors/organizations etc., institutional framework, regular or irregular activities/projects, and management program including standards)

4.2 Methodologies and procedures (including equipment used, detection limits and accuracy, QA/QC procedures, characteristics of national networks)

4.3 Research activities (national and regional / international)

4.4 Training activities and programs

5. **Present situation** of river and direct inputs of contaminants (based on 2002 data) and long term trends, if available

6. **Proposals for future regional activities and priorities in NOWPAP regions**

7. **Conclusion**

8. **Data availability** (publications, Websites and other information sources)

Annex (s):

1. **National and International policies and laws** (overview of relevant policies and laws related to the subject)

Procedure for the compilation and preparation of the Regional Overview
on River and Direct Inputs of Contaminants into the Marine and Coastal Environment
in NOWPAP Region

The procedure may include the following stages:

5. The Regional Overview will be compiled on the basis of “Structure and Contents of Regional Overview” agreed upon by the 3rd NOWPAP POMRAC Focal Points Meeting. Different sources, and first of all National Reports of WG 2, may be used for compilation of the Regional Overview.
6. The Regional Overview will be prepared by consultant from any NOWPAP Member Countries. Financial support for the preparation of the Regional Overview will be provided by POMRAC, according to guidance of POMRAC FPs.
7. Draft Regional Overview will be submitted to POMRAC Secretariat by the consultant. POMRAC Secretariat will submit Draft Regional Overview to the WG2 and POMRAC Focal Points of each countries by e-mail. After receiving comments from WG2 and POMRAC FPs of each country (within 30 days), the overview will be amended by the consultant and submitted to the next POMRAC FPM for review and adoption.
8. The next POMRAC FPM will discuss and agree whether the Regional Overview is completed. When finalized, the Regional Overview will be printed as a POMRAC technical report.

Annex 8

**STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP
REGION**

Annex 8

Suggested structure of the STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION

(as of 7 September 2005)

Suggested structure of the STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION (as of 7 September 2005)

Parts of the report	Who will lead	Volume (pages)	When it will be ready (approx.)
Executive Summary	POMRAC	1	2007, Jan.
1. Introduction	POMRAC	1	2007, Jan.
2. Geography, hydrography and climate (very short, only to explain differences among different parts of NOWPAP sea area and mention monsoon climate)	POMRAC	2	2006, June
3. Human pressures (also very short – differences in population/industrial development among different parts of NOWPAP sea area – from existing documents)	POMRAC	2-3	2006, June
4. Current marine environmental issues	POMRAC	12-17	2006, June
4.1. Pollutant inputs from atmosphere (WG1)	POMRAC	2-3	2006, June
4.2. Pollutant inputs from rivers and waste waters (WG2, organized according to the GPA pollutant nodes – trace metals, nutrients, oil and hydrocarbons, POPs, etc.)	POMRAC	2-3	2006, June
4.3. Harmful algal blooms (WG3 + WG4)	CEARAC	2-3	2006, June
4.4. Oil spills	MERRAC	2-3	2006, June
4.5. Coastal environmental hot spots (consultant, based on available info from NOWPAP old national reports, GIWA, PICES, PDF-B proposal, etc.)	POMRAC CEARAC	2-4	2006, June
4.6. Biodiversity situation	POMRAC	2-3	2006, June

Parts of the report	Who will lead	Volume (pages)	When it will be ready (approx.)
5. Emerging environmental issues	POMRAC	9	2006, August
5.1. Marine litter	CEARAC MERRAC	2-3	2006, August
5.2. Persistent Toxic Substances	CEARAC	2	2006, August
5.3. HNS spills	MERRAC	2	2006, August
5.4. Ballast waters and marine invasive species	MERRAC	2	2006, August
5.5. Other GPA pollution nodes: sewage, sediment mobilization, physical alterations and destruction of habitats (land reclamation), possible effects of dam construction, implications of climate change, etc., etc.	POMRAC and other RACs	3	2006, August
5.6. Other (mariculture, biodiversity, marine protected areas, etc.)	POMRAC	2	2006, August
6. Summary/ASSESSMENT and recommendations	POMRAC	5-6	2006, Oct.
6.1. Summary of current situation (from chapter 4) plus a few words about DINRAC (data and information management)	POMRAC DINRAC	2-3	2006, Oct.
6.2. Emerging issues and the way forward: 1) ICARM; 2) data and info management; 3) policy and legislation; 4) biodiversity conservation; 5) HNS spills 6) ballast waters (inv. species); 7) any other recommendations (from GIWA and PICES reports)	POMRAC DINRAC MERRAC CEARAC	3	2006, Oct.
7. References	POMRAC and others RAC	1-2	2007, Jan.
FINAL REPORT AS A WHOLE	POMRAC and others RAC	30-40	2007, Feb- March.

Annex 9

Workplan and Budget for POMRAC in 2006/2007

Annex 9

WORKPLAN AND BUDGET FOR POMRAC IN 2006/2007

1. Introduction

1. The 1st POMRAC Focal Points Meeting recommended that the workplan for POMRAC for 2004/05 would be on the level of \$195,000 and such request was presented by the POMRAC Secretariat to the Eighth Intergovernmental Meeting (Sanya, China, 5-7 November 2003).

2. The Eighth Intergovernmental Meeting decided to allocate the sum of \$150,000 for each of the NOWPAP RACs for 2004/05 biennium, including for POMRAC activities.

3. The joint meeting of POMRAC WG 1 and WG 2 (Vladivostok, 25-25 May 2004) agreed that the main activities for WG 1 (Atmospheric Deposition) would consist of the following elements:

- Review and assess existing national and regional programmes and systems, which may be used for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
- Review the national monitoring data as well as scientific data and models for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
- Discuss regional strategies and priorities for the monitoring and evaluation of atmospheric deposition of contaminants in the region
- Identify the monitoring parameters and data to be used in order to link land-based data to atmospheric deposition into the marine and coastal environment.
- Discuss the further development of a monitoring system for atmospheric deposition into marine and coastal environment, including marine-based measurements/observations.
- Identify and cooperate with potential partners, organizations and/or programs, which may operate in the related fields.
- Discuss the development of data and information sharing and exchange mechanisms within NOWPAP members and the related partners.
- Discuss the development of the capacity building measures and public outreach products.
- Assist in the preparation of detailed national reports.
- Prepare a regional overview based on the national reports.
- Participate and contribute to a regional assessment of the state of marine and coastal environment in the NOWPAP region.

The joint meeting also agreed that the main activities for WG 2 (River and Direct Inputs) would consist of the following elements:

- Compilation and exchange of national reports based on a format agreed upon by POMRAC Focal Points Meeting
- Review of the national reports
- Preparation of the regional overview (consultancy)
- Identification of gaps and needs.
- Publication of national reports

- Publication of regional overview
- Identification and prioritization of required activities under this working group

2. Main activities for 2006/2007 biennium

A. The proposed procedure for preparing the Regional Overviews would be as follows:

1. The 3rd POMRAC FPM will discuss and agree the National Reports with comments by 2nd WG's meetings.
2. After receiving comments from WGs and POMRAC FPs (31 October 2005, the reports will be amended by the consultant(s) and submitted to the POMRAC and National Focal Points of NOWPAP countries for adoption and publication (November 2005).
3. When finalized, the National Reports will be printed as a POMRAC technical report (December 2005 – January 2006).
4. The 3rd FPM will discuss and agree on the structure, content, scope and information sources of the regional overviews on WG1 and WG2.
5. An experienced consultant(s) from the region (possibly, but not necessarily the same one mentioned in point 2 above) will be hired by POMRAC to compile a regional assessment/overview, using, among others, the National Reports.
6. When finalized, the Regional Overviews will be printed as POMRAC technical reports.

B. Preparation of national reports and regional assessment/overview "State of Marine Environment Report"

POMRAC has suggested finishing activities on preparation of national reports and regional overview on a present status of environment in NOWPAP Region, prepared by CEARAC, MERRAC and POMRAC preparation of the review "State of Marine Environment Report" of the region.

This review will include National Reports of the NOWPAP member countries prepared in 1990ies and materials of other programs also.

The 3rd FPM will discuss and agree on the structure, content, scope of "State of Marine Environment Report". The draft of structure of "State of Marine Environment Report" will be provided by the POMRAC.

C. Development of reference databases for WG1 and WG2.

D. The detailed program of Integrated Coastal Zone and River Basin Management, Land Based Sources of Pollution and other activities will be authorized after IGM decision on future NOWPAP and RACs activity.

The proposed activities for POMRAC are summarized in the following table:

**POMRAC Workplan
for the end of 2005 and 2006-2007**

Activity	2005			2006												2007												
	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1. Harmonization and printing of the National Reports WG1 and WG2	√	√	√	√																								
a) Finalization of the National Reports by experts following the 2 nd Joint WG's Meeting and 3 rd POMRAC FPM recommendations WG1 WG2	√	√																										
b) Signing contracts with consultants approved by the 3 rd POMRAC FPM to harmonize the National Reports	√																											
c) Presenting finalized National Reports by consultants and approving the Reports by the National Focal Points		√																										
d) Printing of National Reports WG1 WG2			√ √	√ √	√ √																							
2. Preparation of the Regional Overviews		√	√	√	√	√	√	√	√	√	√	√																
a) Signing contracts with		√																										

Activity	2005			2006												2007												
	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
consultants																												
b) Draft Regional Overview presentation by the appointed consultants WG1 WG2					√	√																						
c) POMRAC Secretariat will submit Draft Regional Overview to RACs, experts and POMRAC Focal Points by e-mail. WG1 WG2						√	√																					
d) Discussion of the Regional Overviews on the 4 th POMRAC FPM							√																					
e) After receiving comments from FPs and 3 rd Joint WG'sM, the overviews will be revised by the consultant								√	√																			
f) Finalization of the Regional Overviews by the consultant considering recommendations by the 4 th FPM										√																		
g) Printing of the Regional Overviews											√	√																

Activity	2005			2006												2007												
	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
4. State of Marine Environment Report of NOWPAP Region				√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√								
a) Signing contracts with consultant(s)				√																								
b) Chapters 1-4										√																		
c) Chapter 5											√																	
d) Chapter 6													√															
e) ES, Chapters 1, 7																√												
f) Draft Regional Overview presentation by POMRAC																√												
g) Final Regional Overview																	√											
h) Printing of Regional Overview																			√	√								
5. Establishment of AD and RDI Reference Databases		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
a) Offering cooperation to DINRAC and others organizations and programs		√																										
b) Preparation of format DB and nomination of national consultations (by FP)		√	√																									
c) Signing contracts with National Experts (MOU, TOR, Formats).				√																								
d) Development of AD and RDI Reference Databases					√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
e) Presentation of draft DBs							√																					

Activity	2005			2006												2007												
	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
on the 4 th NOWPAP POMRAC FPM																												
6. The Third Joint Meeting of NOWPAP WG 1/WG 2									√																			
7. The 4th NOWPAP POMRAC FPM							√																					
8. The 5th NOWPAP POMRAC FPM																								√				
9. Integrated Coastal Zone and River Basin Management, Land Based Sources of Pollution, etc.*																												

Notes:

* The detailed program of this activity will be discussed and adopted on the 4th NOWPAP POMRAC FPM (2006) after decision of the 10th Intergovernmental Meeting (November, 2005, Toyama, Japan) on future NOWPAP RACs activity.

**Workplan and Budget
for POMRAC in 2006/2007**

Activity	Actions and planned date	Responsibility	Remarks	Budget US\$
4 th POMRAC FPM (2 days)	April 2006	POMRAC with assistance of NOWPAP RCU, UNEP	POMRAC, Vladivostok, Russia	20,000
'Back to Back' 3 rd Meeting of WG 1, WG 2 (2 days)**	June 2006	POMRAC with assistance of NOWPAP RCU, UNEP	POMRAC, Vladivostok, Russia or other city in one of the countries of NOWPAP region	25,000
Preparation of WG 1 Regional Overview	November 2005 – February 2006	POMRAC with assistance of UNEP and RCU	through regional/international consultant (activity started in 2005)	5,000
Preparation of WG 2 Regional Overview	November 2005 – February 2006	POMRAC with assistance of UNEP and RCU	through regional/international consultant(activity started in 2005)	5,000
Preparation of the State of Marine Environment Report*	Throughout 2006	POMRAC, RACs, RCU	through regional/international consultant(s)	10,000
Publication of Regional Overviews (WG1,WG2)	April 2006	POMRAC		4,000
5 th POMRAC FPM (2 days)	September 2007	POMRAC with assistance of NOWPAP RCU, UNEP	POMRAC, Vladivostok, Russia	20,000
Publication of the State of Marine Environment Report*	March - April 2007	POMRAC		4,000
Development of databases of references for WG1 and WG2 (with assistance of DINRAC)***	Throughout 2006/7	POMRAC through national consultants from NOWPAP Member States		4,000
Integrated Coastal Zone and River Basin Management, Land Based Sources of Pollution, etc.*	Throughout 2006/2007	POMRAC in cooperation with NOWPAP RCU, RACs, UNEP, GPA, PEMSEA, IOC WESTPAC	The detailed program will be authorized after decision of 10 IGM on future activity of RACs	45,000
Website maintenance	Throughout 2006/7	POMRAC		2,000
Cooperation, coordination of POMRAC activities	Throughout 2006/7	POMRAC in cooperation with RCU, UNEP,		6,000

Activity	Actions and planned date	Responsibility	Remarks	Budget US\$
and communication		RACs, IOC WESTPAC and relevant regional organizations		
Total				150,000

- * - pending approval by the 10th NOWPAP IGM
- ** - if it will be needed according to decisions of 4th FPM Meeting
- *** - after pending consultation with DINRAC and approval by the 10th IGM

Appendix I

**Implementation of the
Northwest Pacific Action Plan**

**Alexander TKALIN
Coordinator**

Implementation of the Northwest Pacific Action Plan

Alexander TKALIN
Coordinator

9th IGM Decisions (November 2004, Busan, Korea)

- To convene an Intersessional Workshop (WS) to discuss new directions of work of NOWPAP RACs
- To develop the activity on sustainable management of marine litter in the NOWPAP region
- To discuss the proposal on the increased contributions to the NOWPAP Trust Fund during the Intersessional WS in 2005
- To conduct further consultations regarding the proposal from Japan on the expansion of geographical coverage of the NOWPAP Regional Oil Spill Contingency Plan
- To endorse in principle the concept paper on the GEF proposal "Addressing Land-Based Activities that Affect the Marine and Coastal Environment in the Northwest Pacific Region"

CEARAC

The Special Monitoring and Coastal Environmental
Assessment Regional Activity Centre

- The CEARAC is responsible for implementing activities under WG3 (Harmful Algal Blooms) and WG4 (Remote Sensing of the Marine and Coastal Environment). After the 9th IGM, reports of both WG meetings (held in 2004) were published and distributed
- The National Reports on Harmful Algal Blooms and on applications of Remote Sensing for Monitoring of the Marine and Coastal Environment in the NOWPAP Region are being finalized. The Integrated Reports on both issues will be prepared and published later this year
- The regional Workshop on HAB was organized by CEARAC on 30 June – 1 July 2005 in Toyama, Japan. During this Workshop, the informal Working Group meetings were held
- The Focal Points Meeting to discuss CEARAC plans for 2006-2007 biennium was held on 15-16 September 2005 in Toyama

DINRAC

Data and Information Network Regional Activity Centre

- The DINRAC has continued to develop and update its website where many documents related to NOWPAP and the UNEP Regional Seas Programme are available
- DINRAC National Reports on Data and Information Networks in the Northwest Pacific Region were published as both hard copy and CD-ROM. Report of the 3rd DINRAC Focal Points Meeting was also published and distributed in 2005
- DINRAC updated the Databases on NOWPAP Institutions and NOWPAP Experts on Coastal and Marine Environment (available on CD-ROM and on WWW)
- Currently, two DINRAC activities are under way: 1) Development of a Framework for the Creation of NOWPAP DINRAC Meta-database; 2) Study of Existing GIS-type Products (MOUs signed)
- On 27-28 September 2005, DINRAC held the 4th Focal Points Meeting to discuss proposals for 2006-2007 biennium

MERRAC

Marine Environmental Emergency Preparedness and Response Regional Activity Centre

- In May 2005, MERRAC 8th Focal Points Meeting was held in Daejeon, Korea, to discuss recent results and proposals for 2006-2007 biennium
- At the same time, 1st Competent National Authorities Meeting was held within the NOWPAP Regional Oil Spill Contingency Plan
- MERRAC has finalized three specific projects: on shoreline clean-up; on environmental sensitivity mapping; and on dispersant application, which will be published later this year
- MERRAC specific projects on regional mapping of vulnerable resources; on oil spill modeling; and on minimum level of preparedness, will be implemented in 2006-2007 (pending approval by the 10th IGM)
- Reports of the 2004 MERRAC Expert Meeting and 8th FPM were published and distributed in 2005

NOWPAP countries have agreed on the Regional Oil Spill Contingency Plan (RCP) and signed the MOU for this Plan in 2004-2005. Now the RCP is operational.



Regional Coordinating Unit (RCU)

- The co-hosted RCU offices in Toyama and Busan were inaugurated in November 2004
- The recruitment of staff members for both RCU offices was completed in April 2005
- In February-March 2005, the RCU staff members have visited UNEP HQ and UNON for short training and orientation
- Now both RCU offices are fully operational and are working in close contact with National Focal Points, NOWPAP RACs, UNEP HQ, UNON and UNEP GPA office
- All NOWPAP activities are now being coordinated from Toyama and Busan offices

Contacts with Relevant Organizations, Programmes and Projects

After establishment of both RCU offices in Toyama and Busan, contacts were established with the following organizations, programmes and projects in the region:

- EAS/RCU
- GEF/UNDP/IMO PEMSEA
- GIWA
- IOC WESTPAC
- Kanazawa University Center of Excellence Programme
- NEAR-GOOS
- PICES
- UNDP/GEF YSLME Project
- UNEP/GEF South China Sea Project

(in alphabetical order)

Public Awareness

- Visits to the key ministries and organizations involved in NOWPAP activities in China, Japan, Korea and Russia
- Visits to local authorities in Toyama and Busan
- Contacts with media and environmental NGOs/NPOs
- Visitors from Korea, Japan and from abroad
- Participation in local and regional meetings to increase public awareness about NOWPAP
- NOWPAP website is now being developed and will be launched before the end of 2005

The work to increase awareness of general public regarding NOWPAP activities will be continued by the RCU (as well as by RACs). For example, contacts with NGOs are being developed within the marine litter initiative

NOWPAP Intersessional Workshop

The Workshop was held on 25-26 July in Seoul, Korea. The WS report was distributed among member states

GEF PDF-B Proposal

The GEF PDF-B proposal on the Assessment and Management of Land-Based Activities in the NOWPAP region is being finalized by UNEP DGEF in close consultations with the GEF Secretariat, UNEP RS and UNEP GPA offices and NOWPAP RCU. The final project concept was circulated among NOWPAP National Focal Points and members of e-mail discussion group in August 2005

Other Issues

- According to the 9th IGM decisions, the proposal on Marine Litter Activity (MALITA) has been developed by UNEP consultant and NOWPAP RCU. The MALITA proposal was discussed and agreed in principle at the NOWPAP Intersessional WS in July 2005.
- The documents related to NOWPAP-2 project (legal issues) were retrieved from Nairobi for further consideration. The current status and proposal on possible future actions was discussed NOWPAP Intersessional WS in July 2005. Now the regional overview on legal issues is being updated by the NOWPAP Member States.
- The year 2005 is critical for NOWPAP. According to the decisions of last NOWPAP IGMs, the directions of work of NOWPAP RACs should be re-considered and modified as necessary in order to ensure the future success of NOWPAP. New directions for the RACs activities were discussed and agreed in principle at the NOWPAP Intersessional WS in July 2005.

Appendix II

**POMRAC ACTIVITIES
2004 - October, 2005**

**Kachur Anatoly
Director NOWPAP POMRAC**



NOWPAP POMRAC
 Northwest Pacific Action Plan UNEP
 Pollution Monitoring Regional Activity Centre
 Website – <http://pomrac.dvo.ru>

POMRAC ACTIVITIES

2004 - October, 2005

Kachur Anatoly
 Director NOWPAP POMRAC

Outline

- History & Mission
- Structure & Staffing
- Major Activities
- Expenditures of POMRAC Budget for 2004/2005

History & Mission

- Based on the NOWPAP/3 PHASE II proposal, POMRAC will be engaged in, inter alia, the development of regional monitoring programmer, development and implementation of monitoring data quality and analytical control methods, training courses relevant to monitoring methodologies and data and analytical control.
- For specific components of the NOWPAP/3 PHASE II programme, POMRAC will co-operate with NOWPAP RCU (before its establishment, UNEP), IOC, CEARAC and other regional centers in the establishment of a collaborative, regional monitoring programme.

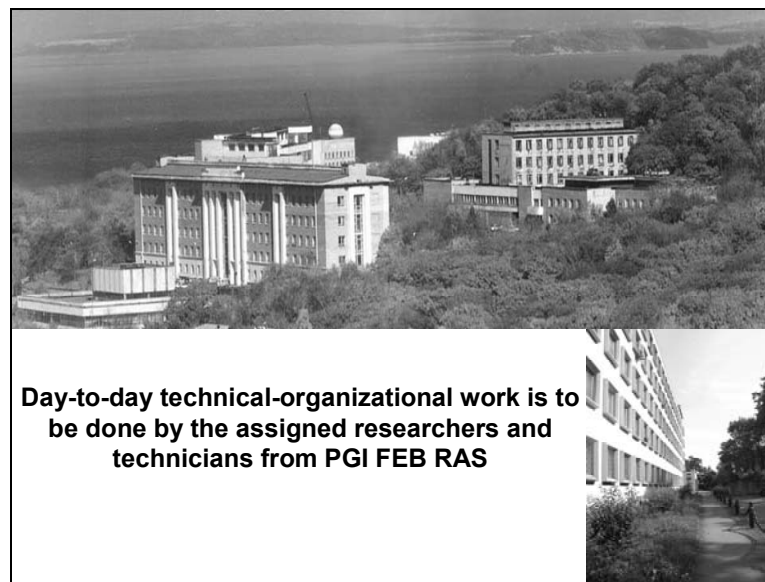
The overall goal of POM/RAC is to provide reliable and accurate information on the state of marine, coastal and associated freshwater environment in order to cope with existing environmental problems within the NOWPAP region.

The following main objectives have been identified at the Second Intergovernmental Meeting (Tokyo, 20 November 1996):

- to establish coordinated network of monitoring stations (including marine, freshwater and atmospheric environment);
- to coordinate methods of sampling and analysis for agreed set of monitoring parameters;
- to ensure data quality and compatibility.

Structure & Staffing

The managerial functions of POMRAC are executed by POMRAC Directorate on the basis of Pacific Geography Institute of the Far East Branch of the Russian Academy of Sciences (PGI FEB RAS) and the Center for International Projects of Ministry Natural Resources Russian Federation.



Day-to-day technical-organizational work is to be done by the assigned researchers and technicians from PGI FEB RAS



Three staff members and volunteers of PGI FEB RAS have been engaged in the work related to POMRAC activities.

National Focal Points for POMRAC

Japan

Mr. Norihiko TANAKA - Deputy Director, Global Environment Issues Division Global Environment Bureau Ministry of the Environment Email address: NORIHICO_TANAKA@env.go.jp

People's Republic of China

Mr. Ruibin WANG - Professor, Director Department of Air Quality Monitoring China National Environmental Monitoring Center (CNEMC) No. 1 Yuhuanlu, Beisihuan Donglu, Beijing, 100029, China Tel: 86-10-84636375 Fax: 86-10-84650863 E-mail: rbwang@zhb.gov.cn

Republic of Korea

Dr. Hak Gyoon KIM – Invitation professor Dept. of Oceanography, Pukyong National University # 599-1, Daeyon-dong, Nam-gu, Busan, 608-737, Republic of Korea Tel.: +82-51-742-7592; Fax: +82-51-620-6210 E-mail: hqkim7592@yahoo.co.kr

Russian Federation (interim FP)

Dr. Vladimir M. SHULKIN Head of Laboratory Pacific Geographical Institute Far Eastern Branch of Russian Academy of Sciences 7 Radio St., Vladivostok 690041, Russian Federation Tel.: 7-4232-320652 E-mail: shulkin@tig.dvo.ru

POMRAC and the Working Groups

**The 7th Intergovernmental Meeting
(Vladivostok, 20-22 March 2002)**

**the demarcation of the responsibilities and activities
between CEARAC and POMRAC as presented by the
secretariat in document UNEP/NOWPAP IG.7/8.**

POMRAC be fully responsible for two working groups:

WG 1 - atmospheric deposition of contaminants;

WG 2 – river and direct inputs of contaminants;

The First POMRAC Focal Point Meeting has defined
provisional directions of work for WG1 .

Possible Tasks of Atmospheric Deposition WG:

- Review and assess existing programs and systems, which maybe used for the evaluation the atmospheric deposition of contaminants into the marine and coastal environment.
- Review of the scientific data and models for the evaluation of the atmospheric deposition of contaminants into the marine and coastal environment.
- Discuss strategies and priorities for the implementation of this program.
- Identify the models, monitoring parameters and data to be used in order to link terrestrial data to atmospheric deposition into the marine and coastal environment.
- Discuss the need and possibility of developing the monitoring systems for atmospheric deposition in marine environment (at sea).
- Discuss and recommend the improvement of the existing monitoring systems (including the capacity building and training activities).
- Identify and cooperate with potential partners, organizations and/or programs, which may operate in the related fields.
- Discuss the development of data and information sharing and exchange mechanisms within NOWPAP members and the related partners.
- Discuss the development of public outreach, programmes.

The First POMRAC Focal Point Meeting has defined
provisional directions of work for WG2.

Possible Tasks of WG2 on River and Direct Inputs:

Assessment:

- Exchange of detailed national reports with the description of parameters measured, methods used, data formats, quality criteria, national policies, etc. (format for submission to be prepared by POMRAC)
- Review and evaluation of existing monitoring programs related to river inputs of contaminants into coastal and marine environment
- Identification of needs for improvement of existing programs and possible needs for new techniques
- Preparation of the regional overview using data submitted by countries.
- Final products: regional assessment of river inputs to the seas and recommendations regarding future works (to be published by POMRAC)

Prioritization:

- Identification and prioritization of required activities under this working group
- Regional prioritization of parameters to be measured;

Capacity Building:

- Intercalibration exercise (using external funds as well)
- Training courses (using existing training centers/courses)
- Exchange of experts (back-to-back with WG meetings)

Public Outreach:

- Preparation of public awareness materials (e.g., for website, newsletter, or booklet).

Address

7, Radio Street, 690041 Vladivostok,

Russian Federation

Phone: (7-4232) 313071

Fax: (7-4232) 312833

E-mail:

pomrac@tig.dvo.ru

Main Activities by POMRAC in 2004/2005

**In accordance with the decision of NOWPAP
Eighth Intergovernmental Meeting, with the budget
approved at this meeting and with the main lines of
POMRAC work the following activities are scheduled
for 2004/5:**

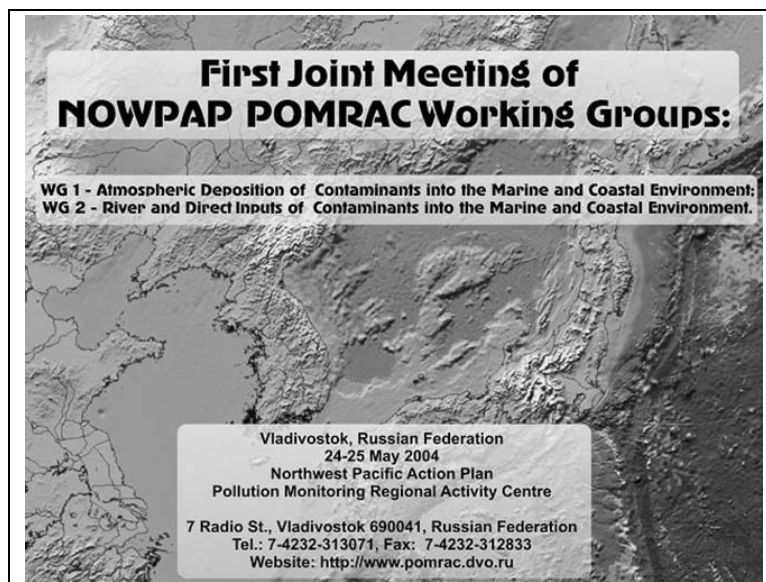
- Development of the primary goals, and structure of national and Regional Overviews for NOWPAP Working Groups.
- Holding the 1st Joint Working Group Meetings,
- Holding the 2nd POMRAC Focal Points Meeting
- Preparation of the Structure and basic formats for National Reports and Regional overviews
- Preparation of the Structure of the State Marine Environment for NOWPAP Region
- Holding the 2nd Joint Working Group Meetings
- Support of POMRAC website.

Workplan and Budget for POMRAC in 2004/2005 as decided by the 2nd POMRAC Focal Points Meeting; Vladivostok, 26-28 May 2004

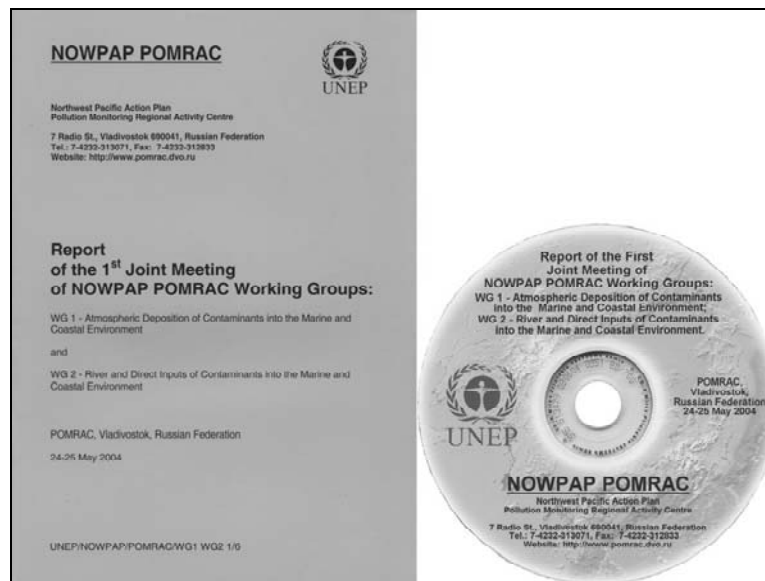
Activity	Actions and planned date	Responsibility	Remarks	Budget US\$
'Back to Back' Meeting of WG 1, WG 2 and 2 nd FPM	May 2004	POMRAC with assistance of UNEP	Vladivostok, Russia,	36,000
Preparation of the National Report of WG 1	June 2004 – February 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP member States	20,000
Preparation of the National Report of WG 2	June 2004 – February 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP Member States	20,000
'Back to Back' Meeting of WG 1, WG 2 and 3 rd FPM	May 2005	POMRAC with assistance of RCU and UNEP	POMRAC, Vladivostok	33,000
Harmonization of WG 1 National Reports	February – May 2005	POMRAC through regional consultant		6,000
Harmonization of WG2 National Reports	February – May 2005	POMRAC through regional consultant		6,000
Printing of National Reports				4,000
Preparation of the Regional Assessment and Overview WG 1	June 2005 – 2005	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10,000
Preparation of the Regional Assessment and Overview WG 2	June 2005 – 2005	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10,000
Website	Throughout 2004/5	POMRAC		2,000
Cooperation, coordination of POMRAC activities and communication maintenance)	Throughout 2004/5	POMRAC in cooperation with RCU, UNEP, UNESCO/IOC and relevant regional organizations		3,000
Total				150,000

Budget 2004-2005 POMRAC

	2004/5 (USD)	Total Rev. 2004/5 (USD)
10 PROJECT PERSONNEL COMPONENT		
1100 Professional staff		
1200 Consultants		
1201 Development of Integrated Reports on the atmospheric deposition and the river and direct input in the NOWPAP region	22 000	72 000
1299 Sub total	22 000	72 000
1600 Travel		
1601 Travel on official business	8 700	2 000
1699 Sub total:	8 700	2 000
1999 Component total:	30 700	74 000
20 SUB-CONTRACTS COMPONENT		
30 TRAINING COMPONENT		
3300 Meetings/conferences		
3301 Focal Points Meeting back in back WG's meetings	100 000	69 000
3399 Sub total:	100 000	69 000
3999 Component total	100 000	69 000
40 EQUIPMENT COMPONENT		
50 MISCELLANEOUS COMPONENT		
5200 Reporting cost		
5201 Publications	18 000	4 000
5299 Sub total:	18 000	4 000
5300 Sundry		
5301 Communications	1 300	3 000
5399 Sub total:	1 300	3 000
5999 Component total	19 300	7 000
99 GRAND TOTAL	150 000	150 000
Previous budget	150 000	150 000
Increase/decrease		0



- The major objectives of this meeting were:
- ✓ to agree on the Terms of Reference for the Working Group 1 (Atmospheric Deposition) and Terms of Reference for the Working Group 2 (River and Direct Inputs) of POMRAC NOWPAP;
 - ✓ to provide guidance for the work of both Working Groups;
 - ✓ to agree Structures of the National Reports on Atmospheric Deposition and River and Direct Inputs of Contaminants;
 - ✓ to agree Structures of the General/Regional Overview on Atmospheric Deposition and River and Direct Inputs of Contaminants;
 - ✓ to recommend to the 2nd POMRAC FPM Workplan of WG1 and WG2 for 2004/5.



Second NOWPAP POMRAC Focal Points Meeting

The Second Focal Points Meeting for
NOWPAP POMRAC
was held from 26-27 May 2004 in
Vladivostok, Russian Federation.

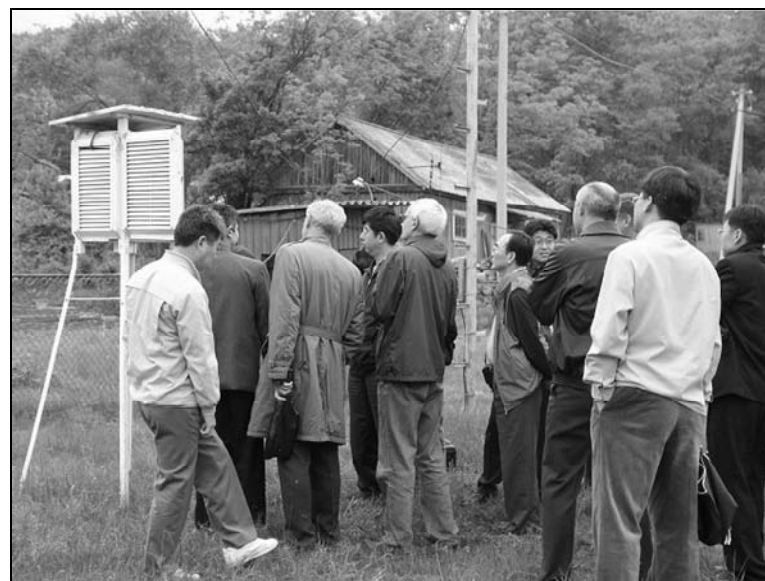
at the Conference Room of Hyundai Hotel
(Vladivostok, Russia, 26-27 May 2004)

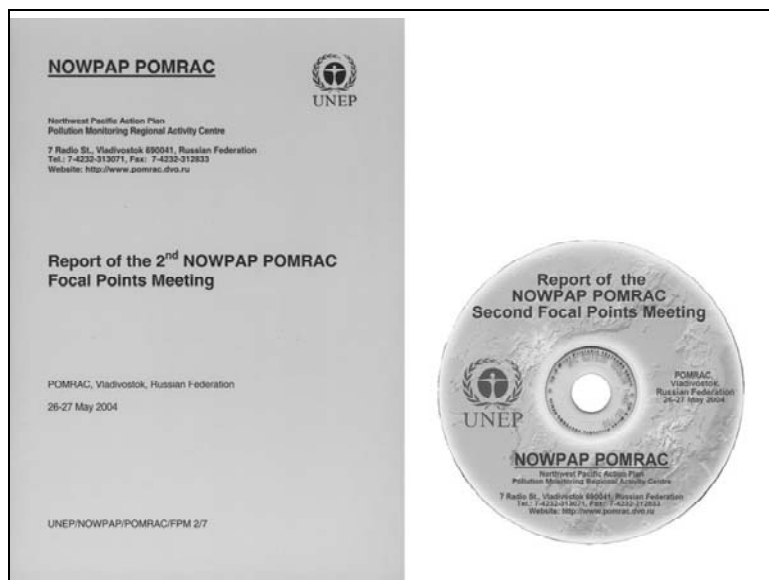


The major objectives of this meeting were consideration
and approval:

- the report on the activities of POMRAC in 2003/4;
- the Terms of Reference for the Working Group 1 (Atmospheric Deposition) and Terms of Reference for the Working Group 2 (River and Direct Inputs) of POMRAC NOWPAP);
- the Structures of the National Reports on Atmospheric Deposition and River and Direct Inputs of Contaminants;
- the preliminary Structures of the General/Regional Overview on Atmospheric Deposition and River and Direct Inputs of Contaminants.
- The 2nd FPM recommend to the next NOWPAP Intergovernmental Meeting, the budget and Workplan of POMRAC for 2004/5.

Field trip to the
Water-balance hidrological
station "Primorskaya"
in Kamenushka village
(Ussuriisk District)





9th Intergovernmental Meeting

(Busan, The Republic of Korea 2-4 November 2004)

Director POMRAC presented for approval REPORT ON THE ACTIVITIES OF NOWPAP POLLUTION MONITORING REGIONAL ACTIVITY CENTER (POMRAC) IN 2003/2004, Workplan and Budget for 2005.

9th IGM approved all POMRAC documents and budget for NOWPAP for 2005.

Intersessional Workshop

(Seoul in July, 2005)

The major subject for RACs was consideration of future activities for the NOWPAP RACs

RECOMMENDATION 1 NEW DIRECTIONS OF NOWPAP RCU AND RACs

The NOWPAP Intersessional Workshop

1. Taking into account the proposal on new directions of the NOWPAP RCU and RACs presented by the secretariat (UNEP/NOWPAP IS. 1/3),
2. Recognizing the need of reviewing demarcation of responsibilities of the two NOWPAP RCU offices of Toyama and Busan and the four RACs for better implementation of the Northwest Pacific Action Plan adopted in 1994,
3. Recommends the proposal provided by the secretariat, and modified by the Republic of Korea, as a basis for the discussion at the 10th NOWPAP Intergovernmental Meeting.
4. Requests the secretariat to prepare more detailed demarcation of responsibilities of the two offices of NOWPAP RCU, as a single unit, for further discussion at the Tenth Intergovernmental Meeting in Toyama, Japan, on 24-25 November 2005, taking into account the comments and concerns raised by NOWPAP Member States.
5. Requests the secretariat to provide more detailed description of the four RACs' future activities, in consultation with Member States and each RAC, for further discussion at the Tenth Intergovernmental meeting, reflecting the comments and suggestions made by NOWPAP member states.

Together with other NOWPAP RACs during this Intersessional Workshop there was achieved the arrangement on preparation

“STATE OF MARINE ENVIRONMENT REPORT IN THE NOWPAP REGION”.

The Second Joint WG’s Meeting for NOWPAP POMRAC was held 10-11 October 2005 in Vladivostok, Russian Federation.



The major objectives of this meeting were:

- Overview of National Reports, prepared by National Experts of WG 1 (Atmospheric Deposition) and National Experts of WG 2 (River and Direct Inputs);
- Recommendations for harmonization and publishing of National Reports of WG1 and WG2;
- To agree Structures of the Regional Overviews for WG 1 WG 2;
- The establishment of the Reference Database on Atmospheric Deposition of Contaminants into the Marine and Coastal Environment in NOWPAP Region (AD Reference Database) and the Reference Database on River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region (RDI Reference Database);
- To recommend Workplan of WG1 and WG2 to the 3rd POMRAC FPM for 2006/7.

POMRAC Website

- Operative work of POMRAC and WG's
- Database on publications devoted to POMRAC activities (2006/2007)
- National programs of monitoring for assessment of atmospheric deposition of contaminants and air quality (it is planned to develop on the basis of National reports)
- Basic methods of air quality monitoring (it is planned to develop on the basis of the regional overview)
- Present state of air quality and atmospheric deposition of contaminants in the NOWPAP region and the tendencies of their changes (it is planned to develop on the basis of the regional overview)
- Presentation of public awareness materials related to the results of monitoring in the NOWPAP region (it is planned to develop on the basis of the regional overview)
- Other international programs in the Asian - Pacific region devoted to assessment of environmental quality, including the programs organizing training-courses

Preparation of the National Reports

During the period from July till August 2004 Terms of Reference for National Consultants for preparation of the National Report and the basic formats for preparation of national reports of the countries of region (the table, a maps and others) are prepared by POMRAC and coordinated with national focal points.

Sample Tables
for the National Reports of NOWPAP Members on River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region

Table 2.1.* Geographical characteristics of the main territorial objects (river basins, provinces or regions)

Territorial object (river basin, province or region)	Square, km ²	Length of main coastal line**, km
Object 1		
Object 2		
...		
Total		

* **Number of the table corresponds to the number of chapter of the report.
** - without coastal line of small islands

Table 3.1. Population density and annual income of the main territorial objects to the NOWPAP area

Territorial object (river basin, province or region)	Population	Population density	Percentage of rural population	GDP* per capita, USD/person
Object 1				
Object 2				
...				
Total				

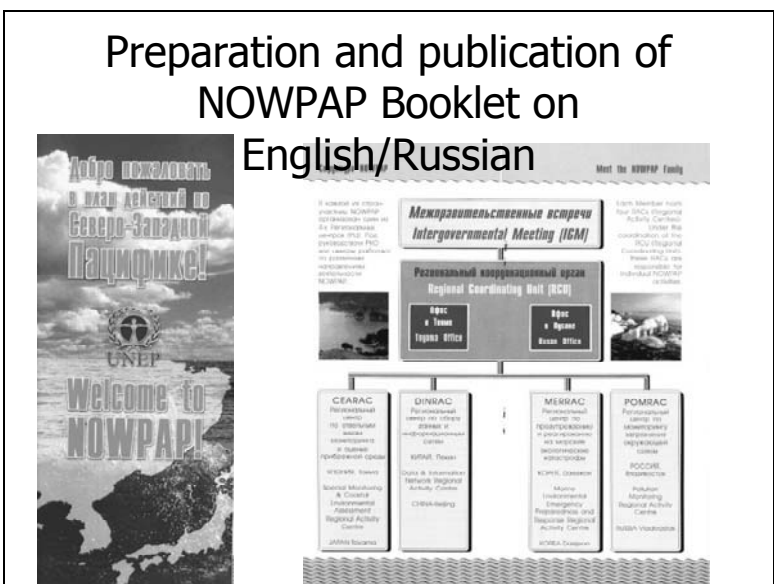
Rivers	Water discharge (m ³ /s)	SS (mg/l)	BOD ₅ (mg/l)	COD (mg/l)	SI (mg/l)	NH ₄ (mg/l)
MPC						
Rivers	NO ₂ (mg/l)	NO ₃ (mg/l)	PO ₄ (mg/l)	PHC (mg/l)	ΣDDT (µg/l)	ΣHCH (µg/l)
MPC						
Rivers	Phenols (mg/l)	Pb dis (µg/l)	Cu dis (µg/l)	Mn diss (µg/l)	Fe diss (µg/l)	Fe _{tot} (mg/l)
MPC						
Rivers	Cd diss (µg/l)	Zn diss (µg/l)	DO mg/l	other substances
MPC						

Notes: SS - suspended solids; DO - dissolved oxygen; All **nutrients** in filtered samples; **Me diss** - concentration of dissolved metal forms in filtered samples; **Fe tot** - concentration of all acid released Fe from unfiltered samples; **PHC** - petroleum hydrocarbons; **ΣDDT** - sum of DDT and its metabolites (DDD and DDE); **ΣHCH** - sum of HCH isomers (α, β and γ). **MPC** = maximum permissible concentration.

In August 2004 projects of contracts with national experts for preparation of national reports are prepared.

Signing of contracts were not carried out up to march 2005 because we had problems with financing through the Russian banks.

National Reports for WG1 and WG2 were presented on 2nd Joint WG's Meeting



Other Activities



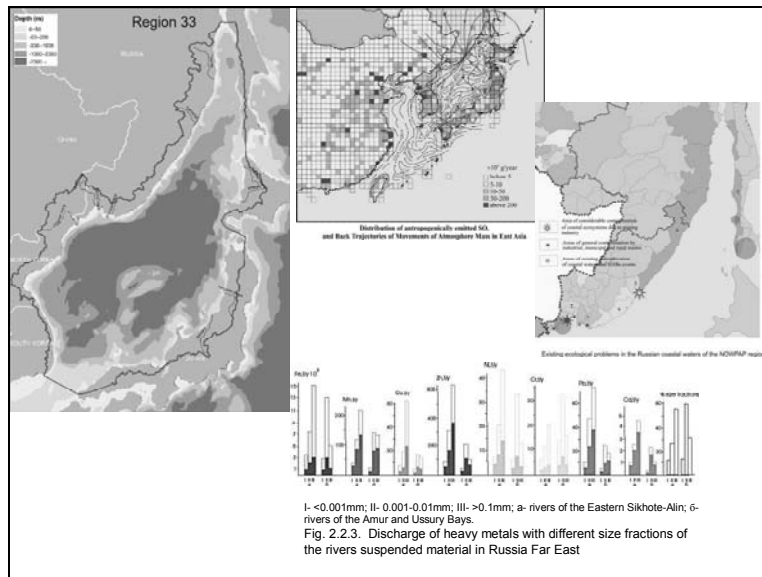
During 2004-05 on base of structure of POMRAC NOWPAP were held



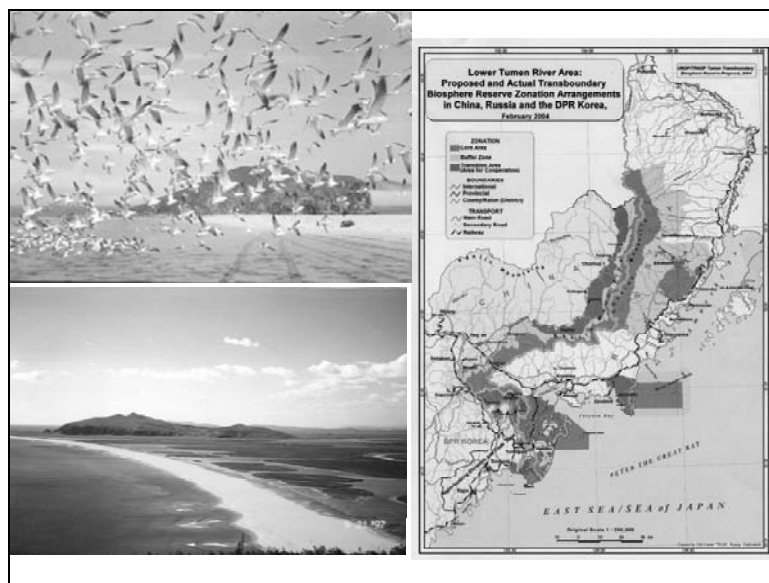
➤ two Workshops of Global International Water Assessment (Program GIWA UNEP) on the problems of preservation of the environment of region NOWPAP;



➤ POMRAC secretariat and POMRAC National Experts have prepared two GIWA reports in which priority problems of environmental condition of NOWPAP region are determined.



During 2004-05 on base of structure of POMRAC NOWPAP were prepared recommendations for expansion of a network of biosphere reserves of region for improvement of system of background environment monitoring (Program MAB UNESCO).



Expenditures of POMRAC Budget for 2004/2005

Expenditures for POMRAC in 2004/2005						
Activity	Actions and planned date	Term of execution	Responsibility	Remarks	Planned Budget US\$	Expenditures as of Nov. 2005
'Back to Back' Meeting of WG 1, WG 2 and 2 nd FPM	May 2004	May 2004	POMRAC with assistance of UNEP	Vladivostok, Russia,	36 000	36 000
Preparation of the National Report of WG 1	June 2004 – February 2005	February 2005 – July 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP member States	20 000	20 000
Preparation of the National Report of WG 2	June 2004 – February 2005	February 2005 – July 2005	National Experts from each NOWPAP Member States	\$5,000 for experts from each NOWPAP Member States	20 000	20 000 12 500 *
'Back to Back' Meeting of WG 1, WG 2 and 3 rd FPM	May 2005	October 2005	POMRAC with assistance of RCU and UNEP	POMRAC, Vladivostok	33 000	36 000 (***)
Harmonization of WG 1 National Reports	February – May 2005	October-November 2005	POMRAC	POMRAC through national experts	6 000	6 000 (**)
Harmonization of WG2 National Reports	February – May 2005	October-November 2005	POMRAC	POMRAC through national experts	6 000	6 000 (**)
Printing of NOWPAP Booklet		August – September 2005				1 000 ****
Printing of National Reports	Autumn 2005	Winter 2005/2006			4 000	4 000
Preparation of the Regional Assessment and Overview WG 1	June 2005 – end of 2005	November 2005- February 2006	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10 000	5 000 (**)
Preparation of the Regional Assessment and Overview WG 2	June 2005 – end of 2005	November 2005- February 2006	POMRAC with assistance of UNEP and RCU	Activity and budgets could continue to next biennium	10 000	5 000 (**)
Website	Throughout 2004-5		POMRAC		2 000	2 000
Cooperation, coordination of POMRAC activities and communication maintenance)	Throughout 2004-5		POMRAC in cooperation with RCU, UNEP, UNESCO-IOC and relevant regional organizations		3 000	3 000
Total					150 000	144 000

* Last payments after 3 FPM.
 ** Advance payments after 3 FPM
 *** Because of change of the schedule of flights at the airport time of stay of some participants in Vladivostok will increase in comparison with an estimated time the sum will be higher.
 **** Preparation and the publication of the booklet about NOWPAP on Russian/English.

**Pollution Monitoring Regional Activity Center of UNEP Action Plan for the Protection,
Management and Development of the Marine and Coastal Environment of the Northwest
Pacific Region (POMRAC NOWPAP)**

**Региональный Центр по мониторингу загрязнения окружающей среды Плана
действия ЮНЕП по охране, управлению и развитию морской и прибрежной среды
в Регионе северо-западной Пацифики.**

Report of the 3rd NOWPAP
POMRAC Focal Points Meeting

Vladivostok, Russian Federation
13-14 October 2005

Материалы Третьего Международного Совещания
национальных координаторов
региона Северо-Западной Пацифики (NOWPAP)

13-14 октября 2005 г., Владивосток

(На англ. яз.)

Отпечатано с оригинал-макета, подготовленного
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