

NOWPAP DINRAC



UNEP

Northwest Pacific Action Plan

Data and Information Network Regional Activity Center

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Report of 7th NOWPAP DINRAC Focal Points Meeting

DINRAC, Beijing, the People's Republic of China

13 – 14 May 2008

THE SEVENTH NOWPAP DINRAC FOCAL POINTS MEETING

(DINRAC, Beijing, People's Republic of China, 13-14 May 2008)

REPORT OF THE MEETING

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REPORT OF THE MEETING

Background

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, 14 September 1994; UNEP (OCA)/NOWPAP/IG.1/5) by the States in the Northwest Pacific region: People's Republic of China, Japan, Republic of Korea and Russian Federation (hereinafter referred to as China, Japan, Korea and Russia respectively). Resolution 1 identified five areas of priority for implementation of the Action Plan, one of which was NOWPAP/1: Establishment of a Comprehensive Database and Information Management System.
2. The Second NOWPAP Intergovernmental Meeting held in Tokyo, Japan (20 November 1996) adopted the Program Document describing the implementation of NOWPAP projects. Regarding NOWPAP/1, Intergovernmental Oceanographic Commission (IOC) of UNESCO was designated as the implementing agency to prepare the project proposal for the second phase of the implementation.
3. Subsequently, the proposal for the second phase of the implementation for NOWPAP/1 was adopted at the Fourth NOWPAP Intergovernmental Meeting held in Beijing, China (6-7 April 1999). The Meeting also decided to establish a network of Regional Activity Center (RAC) for the implementation of the Action Plan.
4. In December 2000, the Data and Information Network Regional Activity Centre (DINRAC) hosted by the Environmental Information Center of State Environmental Protection Administration of China (SEPA) was established in Beijing based on the Resolution 2 of the Fourth NOWPAP Intergovernmental Meeting (ANNEX VI OF UNEP (WATER)/NOWPAP IG.4/7). DINRAC was designated to function as two secretariats for NOWPAP/1 and the NOWPAP/1 Coordinating Working Group (CWG) and took on the responsibilities as defined in its Terms of Reference.
5. Resolution 1 adopted at the Fourth NOWPAP Intergovernmental Meeting also requested the NOWPAP Members to designate necessary members for participation in the NOWPAP/1 CWG. Following up on the nomination and designation of the members of the CWG, the NOWPAP/1 CWG was established. The First Meeting of the Coordinating Working Group for the Establishment of a Comprehensive Database and Information System (NOWPAP/1) was held in Beijing (23-25 May 2001). The meeting approved the workplan and budget for DINRAC for 2001-2003 and identified ten priority fields of activities developed by DINRAC.
6. The Seventh NOWPAP Intergovernmental Meeting held in Vladivostok, Russia (20-22 March 2002) approved the recommendations of UNEP that a network of Focal Points (FPs) for DINRAC has to be established by re-arranging the title, organization and the responsibilities of

the existing Coordinating Working Group in order to improve the implementation of NOWPAP/1. The Seventh NOWPAP Intergovernmental Meeting also requested NOWPAP National Focal Points to nominate the DINRAC Focal Points for their respective countries.

7. Upon decision by the Seventh NOWPAP Intergovernmental Meeting, the CWG and the CWG Meeting for NOWPAP/1 evolved into the NOWPAP DINRAC Focal Points and the NOWPAP DINRAC Focal Points Meeting respectively as the institutional arrangement. The Focal Points Meeting would be organized once a year, starting with the First NOWPAP DINRAC Focal Points Meeting in 2002.

8. The First NOWPAP DINRAC Focal Points Meeting (FPM) was held in Shanghai, China (25-28 November, 2002). The meeting presented the NOWPAP DINRAC Report of activities 2001/2002 and reviewed the progress made by DINRAC for specific tasks agreed at the First CWG Meeting and also approved the activities and budget for NOWPAP DINRAC for 2002-2003 (UNEP/ NOWPAP/ DINRAC/ FPM1/13 ANNEX 3).

9. The Second NOWPAP DINRAC Focal Points Meeting was held in Sanya, China (29 October-1 November 2003). Besides the routine DINRAC activity report 2002/2003, the meeting mainly discussed and reviewed the General NOWPAP Policy on Data and Information Sharing and Guidelines (Activity D) and the Establishment of Principles and Guidelines for NOWPAP Meta-database Management System (Activity E). The meeting also approved the workplan and budget for NOWPAP DINRAC for 2004/2005 (UNEP/NOWPAP/DINRAC/FPM2/15 ANNEX 7).

10. The Eighth NOWPAP Intergovernmental Meeting held in Sanya, China (5-7 November 2003) approved the workplan and budget of NOWPAP for 2004/2005, including the budget of \$150,000 for DINRAC activities (UNEP/NOWPAP/IG.8/11 Annex I Resolution). The meeting also approved the Terms of Reference for the NOWPAP DINRAC Focal Points Meeting.

11. The Third NOWPAP DINRAC Focal Points Meeting was held on 26-28 October, 2004 in Busan, Korea. The meeting mainly discussed new suggested specific activities and mechanisms for implementation of DINRAC activities. The draft ToR for NOWPAP experts group and workplan and budget for NOWPAP DINRAC for 2004/2005 were also revised and agreed by the meeting. The Activity I on the Framework for the Creation of NOWPAP DINRAC Meta-database, Activity J on the Existing GIS-type Products from within and outside of NOWPAP regions and Activity K on the Compilation of National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information were also agreed to be put into the DINRAC workplan for the biennium of 2004/2005.

12. In the Ninth NOWPAP Intergovernmental Meeting held on October 30-November 2 in Busan, Korea, the proposal for NOWPAP RACs evolution and direction change was put forward by UNEP for discussion. With regard to specific technical aspects, the proposal for RACs evolution and the Activity K of DINRAC was postponed until the NOWPAP Intersessional Workshop in 2005. The Activity I and Activity J were approved by the IGM to be

implemented in 2005.

13. In accordance with the recommendations of the First Intersessional Workshop of NOWPAP held in Seoul, Korea, 25-26 July, 2005, data resulting from other NOWPAP RACs activities (oil spill, HABs, atmospheric and river inputs of contaminants, etc.) and biodiversity data could be also included into DINRAC database. Contributions towards implementation of global biodiversity conventions (CBD, CITES, CMS, RAMSAR, etc.) and joint work with MERRAC on marine invasive species were also suggested for future DINRAC activities.

14. The Fourth NOWPAP DINRAC Focal Points Meeting was held on 27-28 September, 2005 in Dalian, China. The meeting mainly reviewed progress of the Activity I on the Framework for the Creation of NOWPAP DINRAC Meta-database and the Activity J on the Existing GIS-type Products from within and outside of NOWPAP regions. The meeting also discussed and approved the proposed DINRAC workplan and budget for the 2006/2007 biennium (UNEP/NOWPAP/DINRAC/FPM 4/17 ANNEX VI).

15. The Fifth NOWPAP DINRAC Focal Points Meeting was held on 10-11 May, 2006 in Shenzhen, China. The meeting mainly discussed DINRAC's newly proposed activities and revised proposed workplan and budget for the biennium 2006/2007 based upon the decision of the 10th Intergovernmental Meeting on NOWPAP. The meeting also agreed to submit "General NOWPAP Policy on Data and Information Sharing" to the 11th IGM on NOWPAP for final approval.

16. The Sixth NOWPAP DINRAC Focal Points Meeting was held on 24-25 May, 2007 in Beijing, China. The meeting mainly reviewed progress of the Framework and Further Development for the Creation of NOWPAP DINRAC Meta-database (Activity I), Compilation of the National Report and Regional Report on Marine and Coastal Biodiversity Data and Information in the NOWPAP Region (Activity K), Development of DINRAC Switchboard Accessing National Website of NOWPAP Members (Activity L), Establishment of the Database of Marine and Coastal Nature Reserves in the NOWPAP Region (Activity M) and Compilation of the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of NOWPAP Region (Activity O) The meeting also discussed and approved the proposed DINRAC workplan and budget for the 2008/2009 biennium (UNEP/NOWPAP/DINRAC/FPM 6/22 ANNEX VI) and agreed to submit the workplan and budget for the 2008/2009 biennium to the 12th IGM on NOWPAP for final approval. During the meeting a letter of cooperation (LOC) between YSLME PMO and NOWPAP RCU was signed on building up a Yellow Sea partnership for protection of marine and coastal environment in the Yellow Sea. The LOC encourages among others, sharing data, information and expertise.

17. Based upon the agreement of the Sixth NOWPAP DINRAC Focal Points Meeting, the Seventh NOWPAP DINRAC Focal Points Meeting was held on 13-14 May, 2008 in Beijing, China. The Data and Information Network Regional Activity Centre (DINRAC) acted as secretariat for the meeting. The participants of the meeting included DINRAC Focal Points and

experts from NOWPAP Members: China, Japan, Korea and Russia as well as RCU representatives. The directors and representatives of the Special Monitoring & Coastal Environmental Assessment Regional Activity Centre (CEARAC), the Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC), the Pollution Monitoring Regional Activity Centre (POMRAC) and the UNDP/GEF Yellow Sea Large Marine Ecosystem (YSLME) Project, COBSEA and PICES also participated in the meeting as observers (UNEP/NOWPAP/DINRAC/FPM 7/4).

Agenda item 1: Opening of the meeting

18. The Meeting was opened at 9:10 a.m. on May 13, 2008 in Beijing, People's Republic of China by Mr. Jianguo WANG, Director of DINRAC. Mr. Jianguo WANG expressed his welcome to all the participants and announced the opening of the meeting. In his opening remarks, he also thanked NOWPAP RCU and NOWPAP Member Country FPs for their kind support and contributions to DINRAC activities.

19. Mr. Xiaodong ZHONG, Deputy Coordinator of NOWPAP RCU, delivered an opening speech to the meeting on behalf of NOWPAP RCU. He first expressed his greetings to the participants of the Meeting. He noted that DINRAC served as a sound platform for information exchange of NOWPAP member countries and hoped that all the FPs could contribute more time and efforts to the tasks assigned to them. Finally, he expressed his sincere appreciation to the Ministry of Environmental Protection of China for continuous support for DINRAC and NOWPAP and also to DINRAC for their hard work in preparation of the meeting.

20. The delegates from Korea, Russia, China and Japan expressed their thanks to DINRAC for hosting the Meeting and hoped the Meeting would be fruitful and successful.

Agenda item 2: Organization of the meeting

Agenda item 2.1: Election of the officers (Chairperson, Rapporteur)

21. According to the Terms of Reference for the NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 3/17), the Meeting unanimously elected Dr. Igor ROSTOV, Russian Focal Point, as the Chairperson, and Dr. Xiangbin PEI, Chinese Focal Point, as the Rapporteur respectively.

Agenda item 2.2: Organization of work

22. The Meeting agreed to apply mutates mutandis the rules of procedures for the Meeting in line with the provision in the Terms of Reference of the NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 3/17).

23. The Director of DINRAC presented a provisional list of documents.

Agenda item 2.3: Adoption of the agenda

24. Upon the invitation of the Chairperson, the Director of DINRAC, Mr. WANG made a brief introduction to the Provisional Agenda (UNEP/NOWPAP/DINRAC/FPM 7/1) with the Annotated Provisional Agenda (UNEP/NOWPAP/DINRAC/FPM 7/2). He stressed that meeting should especially focus on the discussion of progress reports on DINRAC activities in 2007, proposal for new DINRAC activities and proposal for the DINRAC's workplan and budget for the 2008/2009 biennium.

25. The Meeting unanimously adopted the agenda.

Agenda item 3: RCU's presentation on the implementation of NOWPAP

26. Mr. Xiaodong ZHONG, Deputy Coordinator of NOWPAP RCU, presented to the Meeting a report on the implementation of NOWPAP since the 6th DINRAC focal points meeting, in which brief introduction to current activities of CEARAC, MERARC and POMRAC was made and other NOWPAP activities including implementation of the decisions of 12th IGM, building partnerships, public awareness raising, evaluation of RACs and Marine Litter Activity (MALITA). The issue regarding the strengthening of cooperation with partners and among different RACs is also noted.

Agenda item 4: Overview of the progress made in the intersessional period after the Sixth NOWPAP DINRAC Focal Points Meeting

Agenda item 4.1: Report on the implementation of DINRAC Activities in 2007

27. The Director of DINRAC, Mr. Jianguo WANG, presented the report on the DINRAC activities implemented in 2007 (UNEP/NOWPAP/DINRAC/FPM 7/6-1). In his presentation, the specific activities implemented by DINRAC since the 6th NOWPAP DINRAC Focal Points Meeting were introduced briefly. Finally, he called for continuous support from DINRAC FPs and RCU to DINRAC projects.

Agenda item 4.2: Report on the annual expenditure of DINRAC budget for 2006/2007 biennium

28. The Director of DINRAC, Mr. Jianguo WANG, subsequently presented the report on the annual expenditure of DINRAC budget in 2006/2007 (UNEP/NOWPAP/DINRAC/FPM 7/6-2). He then suggested that the use of the unspent budget for Activity I be discussed in latter session of the meeting.

Agenda item 4.3: Progress report on the Implementation of the DINRAC Activities and suggestions for the next biennium from four member states

29. Chinese Focal Point, Dr. Xiangbin PEI made a presentation on the implementation of the Update, Maintenance and Enrichment of the Database of Institutions and Experts on Coastal and Marine Environment (activity C), Activity L and Establishment of a Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment (Activity N) in China after the 6th DINRAC FPM and his suggestions for DINRAC activity in next biennium (UNEP/NOWPAP/DINRAC/FPM 7/8-1).

30. Japanese Focal Point, Mr. Yoshiharu NAGAYA made a presentation on the implementation of DINRAC Activity C, L and N in Japan after the 6th DINRAC FPM and his suggestions for DINRAC activity in next biennium (UNEP/NOWPAP/DINRAC/FPM 7/8-2) including the collaboration between DINRAC and OBIS.

31. Korean Focal Point, Dr. Hee-Dong JEONG made a presentation on the implementation of DINRAC Activity C, L and N in Republic of Korea after the 6th DINRAC FPM and his suggestions for DINRAC activity in next biennium (UNEP/NOWPAP/DINRAC/FPM 7/8-3).

32. Russian Focal Point, Dr. Nikolay RYKOV made a presentation on the implementation of DINRAC Activity C, L and N in Russia after the 6th DINRAC FPM and his suggestions for the next biennium (UNEP/NOWPAP/DINRAC/FPM 7/8-4).

Agenda item 4.4 Progress Report on the Frame Work for Creation of NOWPAP DINRAC Meta-database (Activity I)

33. A DINRAC staff, Ms. Tong AN made an introduction of the progress of the Activity I (ongoing) (UNEP/NOWPAP/DINRAC/FPM 7/9). She first expressed appreciation to Korean FP and RCU for their continuous support. Then she briefly summarized background information, the expected objectives, functions and current status for Activity I. She noted that some problems existed in the DINRAC meta-database framework and asked the meeting to consider whether to continue the activity.

34. Mr. Xiaodong ZHONG commented that the results of Activity I were achieved not as anticipated. He suggested DINRAC to consider whether to continue this activity or appropriate the money to other activities. The meeting decided to have a small-group discussion on this issue and then report the result to the meeting.

Agenda item 4.5: Progress report on the Creation of Regional Internet Communication System between DINRAC and NOWPAP Member Countries (Activity L)

35. Russian Expert, Mr. Vladimir ROSTOV made an introduction of the progress of the Activity L (UNEP/NOWPAP/DINRAC/FPM 7/10). He briefly summarized pilot implementation of Activity L by Russian FP and introduced framework for the creation of Regional Internet

Communication System (RICS) between DINRAC and NOWPAP members including tasks, requirements and specification, system function, system evolution, system structure and its operational models, etc. Besides, he also demonstrated the procedures of enquiry on the pilot version of DINRAC regional Portal as well as the enquiry results.

36. Mr. Jianguo WANG extended his congratulation for Russian FP's excellent pilot work on implementation of Activity L, especially for the 155 information resources provided at the website. He hoped that other DINRAC member countries could cooperate and support this activity and the activity could generate more results.

37. Mr. Xiaodong ZHONG asked all the FPs to make a decision on whether they think the activity L should be continued. All the FPs agreed the continuation of the activity L, and Japanese FP pointed out that modification should be made to the system to make it more useful. Mr. ZHONG then indicated that the data provided in the system should be more relevant to NOWPAP or its member countries by citing some examples. He also suggested providing brief information of the targeted web pages on the websites of each member country rather than offering the link only.

Agenda item 4.6: Progress report on the Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment (Activity N)

38. Japanese Focal Point, Mr. Yoshiharu NAGAYA made an introduction of the progress of the Activity N (UNEP/NOWPAP/DINRAC/FPM 7/11), especially some surveys conducted by Japan. The participants discussed the progress.

39. Mr. Xiaodong ZHONG first expressed appreciation to Japan FP for carrying out the activity without any budget. He then asked if any further action was needed for this activity.

Agenda item 4.7 Progress report on Establishment of the Reference Database on ICARM (Joint activity DINRAC with POMRAC)

40. Ms. Tong AN, DINRAC staff, presented a progress report on the Establishment of the Reference Database on Integrated Coastal and River Basin Management in NOWPAP Region (ICARM, Joint activity DINRAC with POMRAC) (UNEP/NOWPAP/DINRAC/FPM 7/12). She briefly introduced background information, current progress and demonstrated the procedures of on-line enquiry on the website and the results in the presentation. The Reference Database ICARM is now available at <http://dinrac.nowpap.org/NowpapReferenceICARM.php3>.

Agenda item 4.8 Progress report on the implementation of NOWPAP Marine Litter Activity (MALITA)

41. Prof. Yudong ZHU, DINRAC staff, made a brief report on the progress of NOWPAP Marine Litter (MALITA) Activity (UNEP/NOWPAP/DINRAC/FPM 7/16). He mainly summarized

the implementation of Activity 5 (collection and review of existing information and data relevant to marine litter in each of the NOWPAP members) and Activity 6 (collection of information on relevant legal instruments and programmes on marine litter in each of the NOWPAP members) of the MALITA Workplan by DINRAC in 2007. He also briefed the meeting about the RAP MALI Working Meeting.

Agenda item 5: Information about relevant activities of international organizations and projects

42. In order to share their relevant expertise on many issues related to marine environmental data and information management, the representatives of the partner organizations/institutions in the NOWPAP region, such as COBSEA, YSLME and PICES were invited to make presentation.

43. Dr. Durairaju Kumaran Raju, the representative of COBSEA, made a brief introduction on the development of the East Asian Seas (EAS) Knowledgebase by his organization including the briefing on the pilot phase, component and structure of this Knowledgebase as well as other activities they are undertaking in pursuing the sustainability of the project.

44. Mr. Isao ENDO, the representative of UNDP/GEF Yellow Sea Project, expressed his sincere gratitude towards the cooperation and support provided by NOWPAP. He briefly introduced data and information activities in UNDP/GEF Project on the Yellow Sea Large Marine Ecosystem (YSLME). He mentioned that the YSLME Project hoped to expand and strengthen the cooperation with the NOWPAP in various aspects, especially in the field of data and information management.

45. Dr. Toru SUZUKI, the representative of PICES, made a presentation on PICES Metadata Federation. He introduced the structure of PICES and objectives, methodology, etc. about PICES' Metadata Federation.

46. All the participants agreed to have a small-group discussion during the coffee break of the afternoon session of the meeting over the future development of the activity I. DINRAC Director Mr. Jianguo WANG reported to the meeting the results of the discussion: the FPs of four DINRAC member countries and RCU had reached the consensus that the activity I should be suspended and the 6,000 US\$ budget would be allocated to another activity.

Agenda item 6: Discussion on new suggested future activities in 2008-2009 biennium

Agenda item 6.1: Proposal for the Investigation on Alien Species and its Potential Damage Evaluation in NOWPAP Region

47. Mr. Jing XU, an expert from China made a presentation on the Proposal for Investigation on Alien Species and Its Potential Damage Evaluation in NOWPAP Region (UNEP/NOWPAP/

DINRAC/FPM 7/14). The participants discussed the proposal. Japanese FP, Prof. SHIRAYAMA pointed out the existence of more or less duplication with other databases such as IMO and IUCN.

Agenda item 6.2: Proposal for Collaboration with OBIS (Ocean Biogeography information system)

48. Prof. Yoshihisa SHIRAYAMA, a Focal Point from Japan made a presentation on the Proposal for Collaboration between DINRAC and Ocean Biogeography Information System (OBIS) in Japan (UNEP/NOWPAP/ DINRAC/FPM 7/15). He suggested several potential steps to be taken for this collaboration including step 1: providing four-language linkage to the website of OBIS; step 2: offering four-language version of the front page of OBIS website but with the search results only in English; step 3: search results also in four-language version on the basis of step 3; and step 4: direct connection of DINRAC database to OBIS enquiry system. The participants discussed this proposal and felt it was necessary to make further discussions through e-mails.

Agenda item 6.3: New Suggested Activities in 2008-2009 Biennium and Later

49. Dr. Igor ROSTOV, Russian Focal Point, made a presentation on new suggested future activities in 2008-2009 biennium. In the presentation, he indicated that the activity L should be continued and proposed ideas to be carried out in the future. The participants discussed the proposal and agreed that usefulness/relevance should be considered as the key criteria for selecting future activities.

Agenda item 6.4: Actions for implementation of NOWPAP Regional Action Plan on Marine Litter (RAP MALI)

50. A DINRAC staff, Prof. Yudong ZHU made an introduction on the Actions for implementation of NOWPAP Regional Action Plan on Marine Litter (RAP MALI) (UNEP/NOWPAP/DINRAC/FPM 7/16) including the meaning, three goals, workplan and budget of RAP MALI.

Agenda item 6.5: New Suggested Future Activities and Budget Allocation in 2008-2009 Biennium

51. The Director of DINRAC, Mr. Jianguo WANG, made a brief presentation on the proposed Workplan and Budget Allocation in 2008/2009 biennium (UNEP/NOWPAP/DINRAC/FPM 7/17).

52. Dr. Igor ROSTOV FP from Russia, requested 1,000 US\$ extra fund to be allocated to Russia for the development of new system functions under the activity L. With reference to the suggestion made by Japanese FP and RCU in previous session (see Paragraph No. 37), all

the participants finally agreed, after a lengthy discussion, to carry out both the tasks of adding more functions to the system and improving the quality of the data input in the future.

Agenda item 7: Draft Arrangement of intersessional work

53. Japanese FP, Mr. Yoshiharu NAGAYA presented a renewed budget proposal for the next biennium to the Meeting. He suggested that activity N should be finished in 2008; activity Q should be discussed in the next Focal Point Meeting with participants from IMO, IUCN and other bodies to decide further actions; and that activity G should be carried out to extend the length of the 8th FPM in 2009 to longer than 2 days so more experts from other communities can be invited to contribute their proposals. The participants discussed and agreed Japan's proposal in principle. Mr. Xiaodong ZHONG noted that experts from various countries should be fully and well prepared before the FPM and submit mature proposals to the meeting.

54. Upon the invitation of Chairperson, the Director of DINRAC, Mr. Jianguo WANG, introduced the arrangement of intersessional work before the 8th NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/ DINRAC/FPM 7/18). Chinese FP, Dr. Xiangbin PEI, indicated the potential intensification of activities in the field of marine litter such as awareness raising and public education.

Agenda item 8: Venue and date of the Eighth NOWPAP DINRAC Focal Points Meeting

55. The Meeting agreed that the Eighth NOWPAP DINRAC Focal Points Meeting would be held in Beijing, China in the second week of May, 2009.

Agenda item 9: Other matters

56. Japanese FP, Prof. Yoshihisa SHIRAYAMA pointed out the confusion on the DINRAC Activity Q. Activity Q has been titled as "WebGIS-based electronic oil pollution incidents report in NOWPAP region in the 6th DINRAC FPM, but in the 7th DINRAC FPM, Activity Q referred to "Investigation on alien species and its potential damage evaluation in NOWPAP region".

57. The Director of DINRAC, Mr. Jianguo WANG explained the reasons why the Activity Q's substitution of Alien Species for Oil Pollution Incidents.

- There is some duplication work with MERRAC's activity if it is put into action;
- There is no extra budget to purchase the WebGIS platform software;
- The DINRAC's budget in 2008-2009 biennium has been reduced by the 12th NOWPAP IGM.

He also clarified to cancel the Activity of WebGIS on Oil Pollution Incidents and the change of the contents for the DINRAC Activity Q from the 7th FPM tentatively. The meeting understood his explanation.

Agenda item 10: Adoption of the report of the meeting

58. The draft report of the Seventh NOWPAP DINRAC Focal Points Meeting was prepared for consideration and adoption. The report was adopted by the meeting as the record of its deliberations.

Agenda item 11: Closure of the meeting

59. After the customary exchange of courtesies, the Chairperson declared the closure of the Meeting by 12:30 on Wednesday, 14 May 2008.

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Annex I

List of Participants to the Seventh NOWPAP DINRAC Focal Points Meeting

Annex I

**LIST OF PARTICIPANTS TO
THE SEVENTH NOWPAP DINRAC FOCAL POINTS MEETING
(DINRAC, Beijing, People's Republic of China, 13-14 May 2008)**

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ANNEX I

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Annex II

List of Documents for the Seventh NOWPAP DINRAC Focal Points Meeting

Annex II**List of Documents for the Seventh NOWPAP DINRAC Focal Points Meeting**

<u>Working Documents</u>	
UNEP/NOWPAP/DINRAC/FPM 7/1	Provisional Agenda
UNEP/NOWPAP/DINRAC/FPM 7/2	Annotated Provisional Agenda
UNEP/NOWPAP/DINRAC/FPM 7/3	List of Documents
UNEP/NOWPAP/DINRAC/FPM 7/4	List of Participants
UNEP/NOWPAP/DINRAC/FPM 7/5	List of DINRAC Focal Points
UNEP/NOWPAP/DINRAC/FPM 7/6-1	Report on the Activities of DINRAC in the 2006-2007 Biennium
UNEP/NOWPAP/DINRAC/FPM 7/6-2	Report on the Annual Expenditure of DINRAC Budget for the 2006-2007 Biennium
UNEP/NOWPAP/DINRAC/FPM 7/7	Progress report on the implementation of NOWPAP activities since the sixth DINRAC focal points meeting (RCU)
UNEP/NOWPAP/DINRAC/FPM 7/8-1	Progress report on the Implementation of the DINRAC Activities in China and suggestions for DINRAC activity in the next biennium
UNEP/NOWPAP/DINRAC/FPM 7/8-2	Progress report on the Implementation of the DINRAC Activities in Japan and suggestions for DINRAC activity in next biennium
UNEP/NOWPAP/DINRAC/FPM 7/8-3	Progress report on the Implementation of the DINRAC Activities in Republic of Korea and suggestions for DINRAC activity in next biennium
UNEP/NOWPAP/DINRAC/FPM 7/8-4	Progress report on the Implementation of the DINRAC Activities in Russian Federation and suggestions for DINRAC activity in next biennium
UNEP/NOWPAP/DINRAC/FPM 7/9	Progress Report on the Frame Work for Creation of NOWPAP DINRAC Meta-database
UNEP/NOWPAP/DINRAC/FPM 7/10	Progress Report on the Creation of Regional Internet Communication System between DINRAC and NOWPAP Member Countries
UNEP/NOWPAP/DINRAC/FPM 7/11	Progress report on the Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment
UNEP/NOWPAP/DINRAC/FPM 7/12	Progress Report on Establishment of the Reference Database on ICARM
UNEP/NOWPAP/DINRAC/FPM 7/13	Progress report on the implementation of NOWPAP Marine Litter Activity (MALITA)

UNEP/NOWPAP/DINRAC/FPM 7/14	Proposal for the Investigation on Alien Species and its Potential Damage Evaluation in NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 7/15	Proposal for the Collaboration with Ocean Biogeography Information System in Japan
UNEP/NOWPAP/DINRAC/FPM 7/16	Actions for implementation of NOWPAP Regional Action Plan on Marine Litter (RAP MALI)
UNEP/NOWPAP/DINRAC/FPM 7/17	New Suggested Future Activities and Budget Allocation in 2008-2009 Biennium
UNEP/NOWPAP/DINRAC/FPM 7/18	Arrangement of intersessional work
UNEP/NOWPAP/DINRAC/FPM 7/19	New Suggested Future Activities in 2008-2009 Biennium and Latter
UNEP/NOWPAP/DINRAC/FPM 7/20	The Report of Seventh NOWPAP DINRAC Focal Points Meeting
<u>Reference Documents</u>	
UNEP/NOWPAP/DINRAC/FPM7/Ref.1	First Announcement of the Seventh NOWPAP DINRAC Focal Points Meeting
UNEP/NOWPAP/DINRAC/ FPM7/Ref.2	Logistic Information for the 7th NOWPAP DINRAC Focal Points Meeting
UNEP/NOWPAP/DINRAC/FPM7/Ref.3	Registration form for the 7th NOWPAP DINRAC Focal Points Meeting
UNEP/NOWPAP/DINRAC/FPM7/Ref.4	Tentative Timetable for the Seventh NOWPAP DINRAC Focal Points Meeting
UNEP/NOWPAP/DINRAC/FPM7/Ref.5	Auditor's report by Certified Public Accountants
UNEP/NOWPAP IG.12/10/FPM7/Ref.6	Meeting Report of the 12th NOWPAP IGM
UNEP/NOWPAP IG.11/10/FPM7/Ref.7	South China Sea Knowledge Document No.6 UNEP/GEF/SCS/Inf. 6

Annex III

Agenda of the Seventh NOWPAP DINRAC Focal Points Meeting

Annex III

Agenda of The Seventh NOWPAP DINRAC Focal Points Meeting

(13-14 May 2008, Beijing, the People's Republic of China)

1. Opening of the meeting
 - 1.1 Opening and welcome statement
 - 1.2 Statement by NOWPAP RCU
2. Organization of the meeting and adoption of the agenda
 - 2.1 Election of the officers (Chairperson, Rapporteur)
 - 2.2 Organization of work
 - 2.3 Adoption of the agenda
3. RCU presentation on NOWPAP implementation since the 6th DINRAC FPM
4. Overview of the progress made in the intersessional period after the 6th NOWPAP DINRAC Focal Points Meeting
 - 4.1 Report on the implementation of DINRAC Activities in 2007
 - 4.2 Report on the annual expenditure of DINRAC budget for the 2006-2007 biennium
 - 4.3 Progress reports on the Implementation of the DINRAC Activities and suggestions for the next biennium from four member states
 - 4.3.1 Progress report on Implementation of the DINRAC Activities in China and suggestions for next biennium
 - 4.3.2 Progress report on Implementation of the DINRAC Activities in Japan and suggestions for next biennium
 - 4.3.3 Progress report on Implementation of the DINRAC Activities in Republic of Korea and suggestions for next biennium
 - 4.3.4 Progress report on Implementation of the DINRAC Activities in Russia and suggestions for next biennium
 - 4.4 Progress report on the Frame Work and Further Development for the Creation of NOWPAP DINRAC Meta-database (Activity I)
 - 4.5 Progress Report on the Creation of Regional Internet Communication System between DINRAC and NOWPAP Member Countries (Activity L)
 - 4.6 Progress report on the Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment (Activity N)
 - 4.7 Progress report on Establishment of the Reference Database on ICARM (the cooperation of POMRAC and DINRAC)

- 4.8 Progress report on the implementation of NOWPAP Marine Litter Activity (MALITA)
5. Information about relevant activities of international organizations and projects
6. Discussion on new suggested future activities in 2008-2009 biennium
 - 6.1 Proposal for the Investigation on Alien Species and its Potential Damage Evaluation in NOWPAP Region
 - 6.2 Proposal for Collaboration with OBIS (Ocean Biogeography information system Japan).
 - 6.3 New Suggested Future Activities in 2008-2009 Biennium and Latter
 - 6.4 Actions for implementation of NOWPAP Regional Action Plan on Marine Litter (RAP MALI)
 - 6.5 New Suggested Future Activities and Budget Allocation in 2008-2009 Biennium
7. Draft Arrangement of intersessional work
8. Venue and date of the Eighth NOWPAP DINRAC Focal Points Meeting
9. Other matters
10. Adoption of the meeting report
11. Closure of the meeting

Annex IV

REPORT ON THE IMPLEMENTATION OF DINRAC ACTIVITIES IN 2007

Annex IV

REPORT ON THE IMPLEMENTATION OF DINRAC ACTIVITIES IN 2007

1. Introduction

Based on the Project Proposal for Phase II of the Establishment of a Comprehensive Database and Information Management System (NOWPAP/1) and the Resolution 2 of the Fourth Intergovernmental Meeting on the NOWPAP (Beijing, 6-7 April 1999), Institutional Arrangements for Implementation of NOWPAP, “decided to designate the Regional Activity Centre, as described in Annex VII of the UNEP (Water)/NOWPAP IG.4/7”, the NOWPAP Data and Information Network Regional Activity Centre (NOWPAP DINRAC) was designated to be established.

In December 2000, NOWPAP DINRAC was formally established in Environmental Information Center (EIC) of State Environmental Protection Administration of China (SEPA). The purpose of the establishment of NOWPAP DINRAC is to coordinate various regional activities relevant to DINRAC and to offer the reliable and up-to-date information services for coastal and marine environment in NOWPAP region. Especially, the Centre is currently functioning as secretariat for the NOWPAP DINRAC Focal Points Meeting, Experts Meeting, and the NOWPAP Regional Policy on Data and Information Sharing and NOWPAP Regional Marine and Coastal Meta-database with assistance from UNEP. The Centre also manages the NOWPAP DINRAC Homepages.

DINRAC has the specific objective to coordinate regional activities, as specified in the terms of reference decided at the Fourth Intergovernmental Meeting. DINRAC was established recognizing that the activities under NOWPAP produce information on a number of different topics from several sources, the need for regional harmonization of data sets and information system, development of databases and networks for linking relevant institutions in the region and providing coherent information to serve the needs of the regions, as well as the need to develop protocols on data sharing. The development of a comprehensive database and information management system for the region through activity is coordinated and implemented by DINRAC. Other priority activities included building further data management capacity in the region and developing guidelines and a regional policy on data and information sharing.

DINRAC activities are carried out in coordination with the NOWPAP RCU and consultation with the other NOWPAP RACs for efficient information exchanges.

2. Organization, Staff and Budget

DINRAC project team is managed by Policy Research Center for Environment and Economy of SEPA since August 2006. Three staff members are currently employed at DINRAC with the financial support from the government of China. SEPA sponsors all DINRAC staffs salary and facilities on a total USD \$55,000 annually. DINRAC is also funded by NOWPAP Trust Fund approved by the Tenth NOWPAP Intergovernmental Meeting on a total USD \$165,500 for 2006-2007 biennium for the DINRAC activities such as Focal Points Meeting, specific projects, MALITA, NOWPAP/2 and others.

3. Major Activities of DINRAC in 2007

1) The Sixth NOWPAP DINRAC Focal Points Meeting:

- The Sixth NOWPAP DINRAC Focal Points Meeting took place in Beijing, the People's Republic of China, from 24 to 25 May 2007, with kind support from RCU.
- The meeting reviewed the progress made in the intersessional period after the Fifth NOWPAP DINRAC Focal Points Meeting.
- The major issues such as establishment of DINRAC website as a clearing-house of NOWPAP, using the concept of switchboard accessing national website of NOWPAP members has been discussed.
- Framework and further development for the creation of NOWPAP Meta-database System had been conducted by the meeting. It is expected to finish the development as early as possible.
- Progress reports on the compilation of national and regional reports on marine and coastal biodiversity data and information, establishment of the database of marine and coastal nature reserves, compilation of the regional overview of legal aspects of the protection and management of the marine and coastal environment and establishment of the reference database on AD & RDI, NOWPAP Marine Litter programme activity 5 and 6 had been presented to the meeting.
- The proposal for establishment of the meta-database on contaminants and nutrients in the marine and coastal environment was agreed by the meeting.
- The meeting discussed DINRAC's newly expected activities and revised proposed workplan and budget for the biennium 2008/2009.
- The meeting agreed to submit DINRAC's workplan and budget allocation in biennium 2008/2009 to the 12th IGM on NOWPAP.

2) Update, Maintenance and Enrichment of DINRAC Website

As one of main DINRAC activities of 2007, DINRAC website was updated and enriched, which is now functioning as a primary source of environmental data and information for the NOWPAP region, with the ultimate goal to serve as "NOWPAP Clearing House" to provide data and information on marine environment quality in the NOWPAP region.

Data and Information resulted from NOWPAP activities by RACs, RCU, Focal Points and Working Groups of RACs are also covered, accessed and linked at the Website. In addition, related national sources and international sources on marine data and information are also included as supplement to make the website as a portal on marine data and information of NOWPAP.

Under the new framework, there are total 7 columns: About, Marine Environment, NOWPAP Databases, NOWPAP Publications, NOWPAP Meetings, Related Organizations and Links (For detail, please visit <http://dinrac.nowpap.org/About.htm>).

3) Framework for the Creation of NOWPAP DINRAC Meta-database

The Republic of Korea is the leading country to implement this activity. This activity has been lasted three and half years for the software development.

Bugs or problems of the Frame Work of Mate-database system still existed at the end of December, 2007.

4) The specific activities being carried out in 2007

- *Activity L: Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries*

Russian Federation is the leading country to implement this activity. This activity provided data and information on coastal and marine environment through national/regional websites/webpages by using DINRAC portal as "switchboard" according/in context to national laws and regulations. It established the formal linkages among relevant agencies, DINRAC and other RACs to strengthen cooperation between parties.

The Framework and Pilot version of the system has been accessed on the website of Pacific Oceanological Institute as http://pacificinfo.ru/nowpap_demo/.

The 'DINRAC Regional Portal' and 'NowpapIR' which are the main results from the DINRAC Activity L could be also accessed at DINRAC Website http://dinrac.nowpap.org/MarineEnv_NOWPAP.htm and/or <http://dinrac.nowpap.org/Databases.php3> respectively.

- *Activity K: Compilation of National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region*

It gives a general overview on the current status of marine and coastal biodiversity data and information in the region and then identifies existing gaps and needs and makes recommendations for future work so as to follow the current trend of wise marine biological management worldwide and achieve marine resources sustainability of the region.

The publication of the complied reports (UNEP/NOWPAP/DINRAC/Publication No.6) has been distributed in September, 2007.

- *Activity M: Establishment of the Database on Coastal and Marine Nature Reserves in the NOWPAP region*

P. R. China is the leading country to implement this activity. The database has also been developed (based on questionnaires) by DINRAC and now could be accessed at DINRAC website <http://dinrac.nowpap.org/NowpapNatureReserve.php3>.

It gives a review and understanding on the current situation of nature reserves, including the location, name, level, type, area, nature condition, social and economical situation, management, marine protected species, diversity and list of endangered species so as to promote information exchange and distribution on marine and coastal environmental protection in the NOWPAP Region.

The publication (UNEP/NOWPAP/DINRAC/Publication No.7) has been distributed in September, 2007.

- *Activity N: Establishment of the meta-database or database on Contaminants and Nutrients in the Coastal and Marine Environment*

Japan is the leading country to implement this activity. Metadata of 7 surveys on contaminants in the marine environment carried out by Japanese organizations and 16 Questionnaires filled by Russian Focal Points have been submitted to DINRAC in February and March, 2008 respectively. The related meta-database is creating by DINRAC now. It will provide a general overview on the current data/information availability on chemical contaminants and nutrients gathered from late surveys in the member countries, including sea and river water, bottom sediment and in biota, and will be helpful for the public to have a general understanding on and find useful information about environmental data products relating to the contaminants and nutrients in the coastal and marine environment of NOWPAP region.

- *Coordination for National Summary of NOWPAP MALITA Activity 5 and 6*

Regional Overview on Legal Instruments, Institutional Arrangements and Programmes Related to Marine Litter in the NOWPAP Region (MALITA Activity 6) identified barriers, gaps and needs in relation to the prevention, control and management of marine litter. The finding of this overview including suggestions and recommendations reflected in developing the NOWPAP regional action plan on marine litter.

The publication (UNEP/NOWPAP/DINRAC/Publication No.8) has been distributed in October, 2007.

The MALITA WebPages, as a new column of DINRAC Website is presented for review at http://dinrac.nowpap.org/MALITA_WhatIs.htm.

The Data & Information for the MALITA activity (MALITA 5) related contents and files provided by P. R. China, Republic of Korea and Japan can be also found at DINRAC MALITA WebPages.

- *Activity O: Compilation and publication of the Updating the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP/2)*

The regional overview is prepared according to the Resolution 7 of the 10th IGM and

finalized based primarily on the latest data and information provided by NOWPAP member states.

It focuses on introducing the existing national and international legal frameworks in NOWPAP member states related to environmental protection and providing useful information for people who may be interested to take a glimpse at the current situation in the region.

The publication (UNEP/NOWPAP/DINRAC/Publication No.5) has been distributed in July, 2007.

- *Activity C: Updating and maintenance of NowpapExpert and NowpapInstitution databases*
It is developed to be a tool for scientists, policy-makers and anyone else who is interested in getting information on coastal and marine environmental experts, institutions in the NOWPAP region.
- *The Reference Database on Integrated Coastal and River Basin Management in NOWPAP Region (ICARM Reference Database)*
ICARM Reference Database has been created at the early of 2008. It is a result of cooperation on database between POMRAC and DINRAC after implementation of AD and RDI Reference Databases successfully. It could be visited at <http://dinrac.nowpap.org/Databases.php3> or <http://dinrac.nowpap.org/NowpapReferenceICARM.php3>.

5) Participation in the NOWPAP Intergovernmental Meeting, Workshop and RACs FP Meetings

Mr. Wang Jianguo, the DINRAC Director participated in:

- The NOWPAP Regional Action Plan on Marine Litter (RAP MALI) Meeting held in Toyama, Japan on 20-21 November 2007;
- The Twelfth Intergovernmental Meeting on NOWPAP held in Xiamen, P. R. China on 23-25 October, 2007;
- The Fifth NOWPAP CEARAC Focal Points Meeting held in Toyama Japan on 18-19 September 2007;
- NOWPAP Marine Litter Prevention and Control Workshop and International Coastal Cleanup held in Rizhao, China on 27-28 June, 2007 and
- The First East Asia Seas Knowledgebase Workshop held in Singapore on 5-6 April 2007.

Mr. Zhu Yudong, the DINRAC Senior Consultant participated in:

- The Second NOWPAP Workshop on Marine Litter held in Toyama, Japan on 28-29 March 2007 and
- The Second MALITA Working Meeting held on 30 March 2007 in Toyama, Japan.

Ms. An Tong, the DINRAC Senior Consultant participated in:

- The Tenth NOWPAP MERRAC Focal Points Meeting held on 15-18 May 2007 in Daejeon, Republic of Korea and
- NOWPAP Marine Litter Prevention and Control Workshop and International Coastal Cleanup held on 27-28 June, 2007 in Rizhao, China.

6) Publication of NOWPAP DINRAC

- Report of 5th NOWPAP DINRAC Focal Points Meeting;
- Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of the Northwest Pacific Region;
- Regional and National Reports on Marine and Coastal Biodiversity Data and Information in the Northwest Pacific Region;
- Regional Overview and National Reports on Marine and Coastal Nature Reserves in the Northwest Pacific Region and
- Regional Overview on Legal Instruments, Institutional Arrangements and Programmes Related to Marine Litter in the NOWPAP Region.

4. summary

DINRAC has been building partnerships among NOWPAP Members through conducting the designated activities in the field of data and information sharing and exchange in the NOWPAP region with great support from NOWPAP RCU and UNEP. DINRAC has also achieved some important results through national focal points meetings and coordination of DINRAC during the biennium of 2006-2007. Especially, the Activity on Establishment of Regional Internet Communication System between DINRAC and NOWPAP Member Countries (Activity L) were important implemented in this biennium.

DINRAC would ensure more effective and efficient regional activities in the field of data and information management. In addition, closer cooperation among RACs and responsible DINRAC FPs are quite necessary.

As the scope of RACs activities was expanded by agreement of 10th NOWPAP IGM, DINRAC is responsible for providing data storage and retrieval as well as information network for all NOWPAP activities. The DINRAC website was envisioned as a primary source of environmental data and information for the NOWPAP region and also as a "switchboard" to provide links to resources available in NOWPAP member countries. It is suggested that the data resulting from other NOWPAP RACs activities (oil spills, HABs, atmospheric and river inputs of contaminants, etc.) could be also included into DINRAC database. Contributions towards implementation of global biodiversity conventions (CBD, CITES, CMS, Ramsar, etc.) and joint work with MERRAC on alien species are also suggested for future DINRAC activities.

DINRAC would operate as a portal for the whole NOWPAP system with the support of RCU and other RACs. It would strengthen data management capacity building and supervision on

projects implementation and further enhance information management cooperation and exchange in the NOWPAP region.

Annex V

**REPORT ON THE ANNUAL EXPENDITURE OF DINRAC BUDGET
FOR THE 2006/2007 BIENNIUM**

Annex V

**REPORT ON THE ANNUAL EXPENDITURE OF DINRAC BUDGET
FOR THE 2006/2007 BIENNIUM**

1. The proposed workplan and budget for entire DINRAC activities for the 2006/07 biennium agreed by the 4th NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRA/FPM 4/15) were forwarded to the Tenth Intergovernmental Meeting (Toyama, Japan, 24-26 November 2005) for its approval. The Tenth IGM decided to allocate USD \$165,500 for DINRAC Activities for the 2006/2007 biennium.
2. The 5th NOWPAP DINRAC Focal Points Meeting (Shenzhen, People's Republic of China, 10-11 May 2006) revised workplan and budget for the 2006/2007 biennium for DINRAC activities (UNEP/NOWPAP/DINRA/FPM 5/18), as shown in **Table 1**.

Table 1 Workplan and Budget for the DINRAC Activities in the Biennium 2006/2007, adopted by the 5th NOWPAP DINRAC Focal Points Meeting

Activities	Actions	Tentative Time	Budget (in USD)	
			In 2006	In 2007
Activity B: Update, Maintenance and Enrichment of DINRAC Website (continue)	-Continuous collection and dissemination of information -Creation of new pages and more related links		2,500	2,500
Activity C: Update, Maintenance and Enrichment of the Databases of Institutions and Experts on Coastal and Marine Environment (continue)	Update and maintain NowpapExpert and NowpapInstitution Databases.			2,000
Activity G: Organization of FPM	Organization of the 5th Focal Points Meeting	April – May 2006	25,000	
	Organization of the 6th Focal Points Meeting	April – May 2007		25,000
Activity H: Cooperation, Communication of DINRAC Activities	Coordination, travel, meetings, communication, publications of DINRAC activities		8,000	8,000

<p>Activity I: Further Development of the NOWPAP DINRAC Meta-database Framework (continue)</p>	<ul style="list-style-type: none"> -Submission of all the software related to NOWPAP DINRAC Meta-database Framework -Submission of all the reports and manuals of DINRAC Meta-database Framework -System testing 	<p>December,2005 – May, 2006</p>	<p>6,000</p>	
<p>Activity K: The Compilation of National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information</p>	<ul style="list-style-type: none"> -Development of outlines for National Reports -Data-collection, harmonization and compilation of the National Reports -Analysis on National Reports and compilation of Regional Report -Harmonization and print of the National Reports and Regional Report 	<p>May – December 2006</p>	<p>18,000</p>	
<p>Activity L: Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries</p>	<ul style="list-style-type: none"> -Framework establishment, development of general system's structure and its design (it can be differ for different countries) -MoU with FPs -System components development -Design, reorganization, maintenance and enrichment of national/institutional websites -Put the system into operation -Definition of future development needs. 	<p>~ December, 2007</p>	<p>15,000</p>	<p>12,000</p>
<p>Activity M: Establishment of a Database of Coastal and Marine Nature Reserves in the NOWPAP Region</p>	<ul style="list-style-type: none"> -Development of formats for Questionnaires and National Reports -Data collection and harmonization -Establishment of database and data conversion -Development of the related Web service programs -Harmonization and print of the National Reports and Regional Reports -Development of CD-ROM 	<p>December, 2006</p>	<p>16,000</p>	
<p>Activity N: Establishment of a Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment</p>	<ul style="list-style-type: none"> -Development of the proposal for establishment of a meta-database on contaminants and nutrients in the coastal and marine environment -Establishment of a meta-database 			<p>8,000</p>

<p>Activity O: Compilation and publication of the overview on national legislation, objectives, strategies, policies and laws associated with marine environment of NOWPAP Members (NOWPAP/2)</p>	<ul style="list-style-type: none"> -Recognizes the need to update the regional overview of national environmental legislation, objectives, strategies and policies, reflecting the current national status of environment legislation, -Requests NOWPAP member states to facilitate updating of such overview, -Finalize, edit and publish the overview on national environment legislation, strategies and policies using the resources. 	~ August, 2006	10,000	
<p>Activity P: Establishment of the Reference Databases on Atmospheric Deposition & River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region (Joint Activity with POMRAC)</p>	<ul style="list-style-type: none"> -Formulation of the data filling format -Establishment of the databases -Publishing of databases at the DINRAC Website -Development and Printing of the pamphlet and CD -(DINRAC by an expert) 	~ December, 2007	1,000	1,000
<p>MALITA: Establishment of Database on Marine Litter and Other Related Tasks Coordinated by RCU and with other RACs</p>	<ul style="list-style-type: none"> -Establishment of database on ML related information and data provided by NOWPAP members and data from GPA clearing house -Review of national legal instruments and programmes provided by NOWPAP members in the coverage of ML and make proposals for the revision, if appropriate -Development and implementation of long-term regional and national monitoring programmes on land-based ML, including formats for data gathering and storage -Formulation and implementation of awareness and education campaigns for general public, various groups within the tourism sector, industry, municipal authorities, local communities -Other Related Tasks Coordinated by RCU and with other RACs 	~ December, 2007	5,500	
<p>Total</p>			107,000	58,500

3. In order to implement the funded activities, UNEP and DINRAC developed a Project Document in March 2006.
4. Under the Project Document, in line with the agreements of the 5th and the 6th NOWPAP DINRAC Focal Points Meetings, the expenditure of 2006/2007 biennium has been incurred as shown in **Table 2**.

Table 2 DINRAC expenditures in 2006/2007 biennium

Unit: USD\$

Activities	Date & Venue	Responsibility	Planned Budget (US\$)	Expenditure (US\$)
Update, Maintenance and Enrichment of DINRAC Website (Activity B)	Throughout	DINRAC Consultant	5,000	5,000
Update and Maintenance NowpapExperts and NowpapInstitutions Databases (Activity C)	June2006-December, 2007	DINRAC FPs of MC	2,000	2,000
The Fifth NOWPAP DINRAC Focal Points Meeting (Activity G)	10-11May, 2006 Shenzhen, People's Republic of China	DINRAC UNEP	25,000	24,516
The Sixth NOWPAP DINRAC Focal Points Meeting (Activity G)	24-25 May, 2007 Beijing, People's Republic of China	DINRAC UNEP	25,000	24,089
Cooperation and Communication of DINRAC Activities (Activity H)	Throughout	DINRAC	12,000	13,861
Framework for the Creation of NOWPAP DINRAC Meta-database and Further Development (Activity I)	Jan. 2006- Dec. 2007	DINRAC Korean Expert	6,000	6,000
Compilation of Regional Report and National Reports on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region (Activity K)	May 2006 - September 2007	DINRAC FPs of MC Consultant	18,000	18,000
Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries (Activity L)	June 2006 - December 2007	DINRAC Russian FP FPs of MC	27,000	27,000
Establishment of a Database of Coastal and Marine Nature	May 2006- September 2007	DINRAC FPs of MC	16,000	16,000

Reserves in the NOWPAP Region (Activity M)		Consultant		
Establishment of a Mete-Database on Contaminants and Nutrients (Activity N)	May - December 2007	DINRAC Japanese FP FPs of MC	8,000	8,000
Establishment of the Reference database on AD & RDI (joint activity with POMRAC)	December, 2007	POMRAC DINRAC	2,000	2,000
Compilation and publication of the overview on national legislation, objectives, strategies, policies and laws associated with marine environment of NOWPAP Members (NOWPAP/2)	January 2006- July, 2007	DINRAC, Consultant	10,000	6,412
Establishment of Database on Marine Litter and Other Related Tasks Coordinated by RCU and with other RACs	December, 2006	DINRAC, MALITA FPs	5,500	7,360
Publications	Throughout	DINRAC	4,000	5,262
Grand Total			165,500	165,500

5. **Table 2** shows the summary of the DINRAC budget and expenditure incurred from 1 January 2006 up to 31 December, 2007.
6. USD \$17,526 and USD \$15,332 has been disbursed for the travel, DSA and bank commission fee of the DINRAC Focal Points and representatives of RACs participated in the Fifth (Shenzhen, China, 10-11 May, 2006) and Sixth DINRAC Focal Points Meeting (Beijing, China, 24-25 May, 2007) respectively using the NOWPAP Trust Fund directly. It is included into the expenditure of the meetings.
7. The opening cash balance of DINRAC account as at January 1, 2006 is USD \$13,635. The total cumulative expenditures for DINRAC incurred from 1 January 2006 to 31 December 2007 is USD \$165,500. The unspent balance for the project (PN/6030-02-09) is zero at the end of 2007.
8. Zhongcai Certified Public Accountants Co., Ltd in Beijing, China has undertaken the financial audit of the revenue and expenditure in 2006/2007 biennium for DINRAC activities (UNEP/NOWPAP/DINRAC/FPM7/Ref.5). In the Certified Public Accountants opinion, the DINRAC financial revenue and expenditure tables fairly reflected the revenue and expenditure in all important aspects on 17th March, 2008.

Annex VI

**WORKPLAN AND BUDGET FOR DINRAC ACTIVITIES
IN 2008/2009 BIENNIUM**

Annex VI**WORKPLAN AND BUDGET FOR
DINRAC ACTIVITIES IN 2008/2009 BIENNIUM**

1. As the biennium 2006/2007 is completed, the Sixth DINRAC Focal Points Meeting prepared a proposal of the workplan (see table 1.), budget and timetable for the activities of DINRAC for the biennium 2008/2009 with US \$150,000 requested, for the Twelfth Intergovernmental Meeting (Xiamen, China, 23-25 October 2007).
2. The Workplan and budget of DINRAC for the 2008/2009 biennium has been approved with allocation of US \$140,000 by the Twelfth Intergovernmental Meeting on NOWPAP and US \$9,000 by the NOWPAP Regional Action Plan on Marine Litter (RAP MALI) Meeting (Toyama, Japan, 20-21 November 2007).

Table 1. Proposed Activity and Workplan in the biennium 2008/2009

Activity	Timing	Output	Responsibility
The 7 th Focal Points Meeting (2008)	May 2008	Report of the Meeting.	DINRAC
The 8 th Focal Points Meeting (2009)	May 2009	Report of the Meeting.	DINRAC
Establishment of Regional Internet Communication System between DINRAC and NOWPAP Member Countries	Continuous throughout the biennium	A 'switchboard' to provide links to resources available in NOWPAP Member Countries.	Leading country, NOWPAP Members, DINRAC
Update, Maintenance and Enrichment of DINRAC website (continue)	Continuous throughout the biennium	Continuous collection and dissemination of information; Update and finalization of databases; Collaboration with Switchboard.	DINRAC
Further Development of the NOWPAP DINRAC Meta-database (continue)	Dec. 2008	Map interface for selecting spatial coverage search condition; Metadata import/export function for data exchange/sharing among member countries, international programs or organizations.	DINRAC
Regional overview on legal instruments, institutional arrangements and	Dec. 2009	Update national summaries on legal instruments, institutional arrangements and programmes related to marine litter, including solid	NOWPAP Members, DINRAC, ML FPs

programmes related to marine litter based on updated national summaries		waste management, integrated coastal and river basin management, and market-based economic incentives	
Organize NOWPAP ICC campaigns in China in 2008	Oct. 2008	together with marine litter workshops and/or working meetings	China ML FPs NOWPAP Members, DINRAC
Develop public awareness materials on marine litter	Dec. 2009	English and Chinese poster, brochure and leaflet.	DINRAC
Establishment of database on Marine Litter coordinated by RCU and with other RACs	Aug. 2009	Collection and review of existing information and data relevant to marine litter in each of the NOWPAP Member	RCU, Other RACs DINRAC
Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment	Dec. 2008	collect the information on surveys on contaminants and nutrients in the coastal and marine environment of NOWPAP Region and list a related datasheet as required	Leading country, NOWPAP Members, DINRAC
Coordination with RCU, other RACs, RRC.AP, UNEP and IOC UNESCO	Continuous throughout the biennium	Coordination and cooperation with other relevant programs.	DINRAC, Other RACs, IOC UNESCO, RRC.AP, RCU, UNEP
Investigation on alien species and its potential damage evaluation in NOWPAP region	Dec. 2009	Development of related database based on collected data and information on DINRAC website and compile a regional overview on the invasive alien species in NOWPAP region	DINRAC NOWPAP Members

3. Activity B: Update, Maintenance and Enrichment of DINRAC Website (continue)

The DINRAC Website will be continuously updated, maintained and enriched in the 2008/2009 biennium. The function such as Clearing-House and Meta-database management would be created or strengthened on the website. The DINRAC website was envisioned as primary source of environmental data and information for the NOWPAP region and also as a Clearing-House to provide links to other RACs, the related regional and international organizations and national website of member countries.

Budget: Contract with one company for the maintenance of the website: USD \$2,500 in each year in the biennium 2008/2009.

4. Activity G: Organization of Focal Points Meetings

The Seventh and Eighth DINRAC Focal Points Meetings will be held in April or May of 2008 and 2009 respectively. The venue of the Seventh and Eighth DINRAC Focal Points Meetings will be held in China, unless other member countries request to host the meetings.

Budget: USD \$25,000 for convening of the Seventh Focal Points Meeting;
USD \$25,000 for convening of the Eighth Focal Points Meeting.
(two Focal Points and one expert from each of NOWPAP Member country and one representative of other RACs will be funded by meeting budget)

5. Activity H: Cooperation, Communication of DINRAC activities

DINRAC will continuously carry out the activities relating to the coordination with NOWPAP RCU and RACs, UNEP and other Regional Seas.

The director or the representative of DINRAC will participate in the Intergovernmental Meetings to report DINRAC activities to the meetings.

DINRAC will also maintain contacts with other programmes for cooperation.

Budget: Travel on official business: USD \$3,000 for each year.

Publication, communication and others: USD \$5,000 for each year.

6. Activity L: Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries (continue)

Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries has been achieved in the biennium of 2006/2007 with website linkages with relevant agencies/institutions in the NOWPAP Members and beyond. A mechanism of 'Clearing-House' to provide links to resources is available in system. The further steps are necessary to be taken in the biennium 2008/2009 by NOWPAP Member countries.

Expected outcomes from this activity are as:

- a. National/institutional thematic English-language websites/WebPages will be more gathered and effective and;
- b. The Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries will provide more access to the national/regional websites/WebPages;

USD \$18,000 has been allocated in 2007 (UNEP/NOWPAP/DINRAC/FPM 6/17).

Total USD \$24,000 is suggested to implement this Activity in 2008/2009 biennium, in which USD \$3,000 for Focal Points in each NOWPAP Member annually for further design, reorganization, maintenance and enrichment of national/institutional websites respectively.

7. Activity N: Establishment of a Meta-database on Contaminants and Nutrients in the

Coastal and Marine Environment

Japanese Focal Point was invited to act as the leading country in the implementation of Activity N by the 5th DINRAC FPM. A new proposal for this activity has been presented at the 6th DINRAC FPM (UNEP/NOWPAP/DINRAC/FPM 6/16). USD \$8,000 has been allocated in 2007 (UNEP/NOWPAP/DINRAC/FPM 6/17).

Total USD \$15,000 would be allocated to implement this Activity in 2008, in which

- a. 3,000 USD for Focal Points in each NOWPAP Member for collection and compilation of the data and formulation of its National Report.
- b. 3,000 USD for the conversion of the data from returned Questioners to the meta-database, essential compilation, harmonization and print the National Reports and development and print of the CD-ROM.

8. Activity O: Investigation on alien species and its potential damage evaluation in NOWPAP region

Being aware of the recommendation from the First Intersessional Workshop of NOWPAP and the resolution of the 10th IGM, biodiversity data could be also considered into DINRAC database with further focus on biodiversity management. It is the contributions towards implementation of global biodiversity conventions (CBD, CITES, CMS, Ramsar, etc.).

Invasive alien species is one of important global environmental issues.

There are many factors impacting invasive alien species problem. It is also an increasing environmental hot point in the region. Therefore investigation on alien species and its potential damage evaluation in NOWPAP region is quite useful in the region.

Estimated budget for the activity is US\$ 30,000 and estimated time for implementation is in 2009.

9. The meeting considered the draft proposal above and revised workplan, budget and timetable for the activities of DINRAC for the biennium 2008/2009 is shown in **Table 2**:

Table 2. The proposal for the DINRAC Workplan, budget and timetable in the biennium 2008/2009

Activities	Actions	Tentative Time	Budget (in USD)	
			In 2008	In 2009
Activity B: Update, Maintenance and Enrichment of DINRAC website (continue)	- National website node - Databases - Clearing-house		2,500	2,500
Activity G: Organization of FPM	Organization of the 7th Focal Points Meeting	April – May 2008	25,000	
	Organization of the 8th Focal Points Meeting	April – May 2009		35,000

Activity H: Cooperation, Communication of DINRAC activities	Coordination, travel, meetings, communication, publication of DINRAC activities		8,000	8,000
Activity L: Improvement of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries	- National/institutional thematic English-language websites/WebPages be identified; - providing access to national/regional websites/WebPages;	~ December, 2009	13,000	12,000
Activity N: Establishment of a Meta-database on Contaminants and Nutrients in the coastal and Marine Environment	- Collect the information on surveys on contaminants and nutrients in the coastal and marine environment - Create related database	~ December, 2008	4,000	
Activity Q: Investigation on alien species and its potential damage evaluation in NOWPAP Region	- Development related database on DINRAC website - Compile national reports - Compile a regional overview on the invasive alien species in NOWPAP region	May 2009 ~ December, 2009	0	30,000
RAP MALI: Improvement of database on Marine Litter Organize NOWPAP ICC campaigns in China Edition of the regional overview on marine litter legal aspects Develop public awareness materials on marine litter	- Update data for 2005-2008 - Collection and review of existing information and data relevant to marine litter - ICC activity together with marine litter workshops - Update national summaries on legal aspects related to marine litter - English and Chinese poster, brochure and leaflet.		2,500	2,000 2,000 2,500
Total			55,000	94,000

10. The meeting agreed to submit the revised workplan, budget and timetable for the activities of DINRAC for the biennium 2008/2009 to the 13th NOWPAP Intergovernmental Meeting for the final approval.

Annex VII

ARRANGEMENT OF INTERSESSIONAL WORK

Annex VII

ARRANGEMENT OF INTERSESSIONAL WORK

(between the Seventh and Eighth NOWPAP DINRAC Focal Points Meeting)

1. The intersessional work between the Seventh and Eighth NOWPAP DINRAC Focal Points Meeting could be divided into two categories, 1) Routine Task carried out by DINRAC, and 2) Specific Project coordinated by DINRAC, as shown in **Table 1**.

Table 1. Tasks, Leading Country/Institution, Required Actions and Expected Outputs in intersessional period

Tasks	Leading Country / Institution	Actions	Expected Outputs
1. Routine Tasks carried out by DINRAC			
1. Update and Maintenance of DINRAC website	DINRAC	<ul style="list-style-type: none"> - Continuous collection and dissemination of information - Creation of new webpages and more related links 	<ul style="list-style-type: none"> - Updated DINRAC website
2. Focal Points Meeting	DINRAC	<ul style="list-style-type: none"> - Coordinate and organize Eighth DINRAC Focal Points Meeting 	<ul style="list-style-type: none"> - Documents preparation of the Eighth Focal Points Meeting
3. Communications	DINRAC	<ul style="list-style-type: none"> - Maintain routine communication links between relevant authorities in the NOWPAP region 	<ul style="list-style-type: none"> - Participation in the Thirteenth NOWPAP Intergovernmental Meeting - Participation in the other RAC FPMs - Communication with RCU, COBSEA, YSLME and other regional programmes
4. Publication	DINRAC	<ul style="list-style-type: none"> - Related documents publication 	<ul style="list-style-type: none"> -The Seventh NOWPAP DINRAC Focal Points Meeting Report, - The Fourth issue of DINRAC Newsletter - Chinese leaflet, poster and manual of RAP

			MALI
5. Other Routine Tasks as described by the TOR of DINRAC or decided upon by the FP Meetings	DINRAC		
2. Specific projects coordinated by DINRAC			
1. <u>Activity I:</u> Framework and Extension Function for the Creation of NOWPAP DINRAC Meta-database	DINRAC Consultant	- It was suspended by the decision of the 7 th DINRAC FP meeting	
2. <u>Activity L:</u> Improvement of Regional Internet Communication Systems between DINRAC and National Website of NOWPAP Members (continued)	RUSSIA Member Countries	- DINRAC Regional Portal - Process and access distributed information resources (IRs) of member countries - Provide more data and information with possible URLs (not confine to oceanography but marine quality, pollutants, nutrients, HAB)	- National/institutional thematic English-language websites/webpages - Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries - Improved DINRAC Portal

<p>3. Activity N: Establishment of a Meta-database on Contaminants and Nutrients in the coastal and Marine Environment</p>	<p>DINRAC</p>	<p>- Create a meta-database on DINRAC Webpages</p>	<p>- meta-database on contaminants and nutrients in the coastal and marine environment of NOWPAP Region on DINRAC Webpages</p>
<p>4. RAP MALI: Establishment of Database on Marine Litter and other related tasks, coordinated by RCU and with other RACs</p>	<p>DINRAC RCU and other RACs</p>	<p>- Improve the database on ML related information and data provided by NOWPAP Members and data from GPA clearing-house; - Co-organize the ICC activity in China together with marine litter workshops - Update national summaries and regional overview on legal aspects related to marine litter - Translate and publish related to the ML sectoral guidelines</p>	<p>- Improvement of database on marine litter; - ICC Activity - Publication of ML national summaries and regional overview on legal aspects - Preparation of ML sectoral guidelines in Chinese for the purpose of promoting the reduction of ML - Etc..</p>