

NOWPAP DINRAC

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Report of 6th NOWPAP DINRAC Focal Points Meeting

DINRAC, Beijing, the People's Republic of China

24 – 25 May 2007

THE SIXTH NOWPAP DINRAC FOCAL POINTS MEETING

(DINRAC, Beijing, People's Republic of China, 24-25 May, 2007)

REPORT OF THE MEETING

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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, 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 Centres (RACs) 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 spills, 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 expected 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. Based upon the agreement of the Fifth NOWPAP DINRAC Focal Points Meeting, the Sixth NOWPAP DINRAC Focal Points Meeting was held on 24-25 May, 2007 in Beijing, China. The Data and Information Network Regional Activity Centre (DINRAC) acted as secretariat for the meeting. The participants of the meeting include DINRAC Focal Points and experts from NOWPAP Members: China, Japan, Korea and Russia. 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 Project also participated in the meeting as observers. A full list of participants is attached as Annex I.

Agenda item 1: Opening of the meeting

17. The Meeting was opened at 9:10 a.m. on May 24, 2007 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 Members for their kind support and contributions to the DINRAC activities.

18. Mr. Xiaodong ZHONG, Deputy Coordinator of NOWPAP, delivered an opening speech to the meeting on behalf of NOWPAP RCU. Firstly, he expressed his greetings to the participants of the Meeting. Secondly, he reminded the meeting to discuss carefully how to proceed with those DINRAC activities delayed or not end up with expected results and called for more efforts exerted from both DINRAC secretariat and its Focal Points in this regard. Then he noted the workplan and budget of DINRAC for next biennium would also be discussed and decided for the 12th IGM. He hopes that with active participation of all the participants in the meeting discussion, a clear directions and guidance would be provided for planning and implementing the DINRAC activities. Finally, he expressed his sincere appreciation to the State Environmental Protection Administration of China for continuous support for DINRAC and NOWPAP and also to DINRAC for their hardwork in preparation of the meeting.

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

20. Mr. Yihang JIANG, project manager of UNDP/GEF Yellow Sea Project, also expressed his greetings to the meeting participants as an observer. He not only recalled his historic origins with NOWPAP activities, but also briefly introduced data and information activities in UNDP/GEF Project on the Yellow Sea Large Marine Ecosystem (YSLME). Besides, he reiterated that cooperation between NOWPAP and YSLME will continue in the future in order to protect marine environment.

21. Dr. Alexander TKALIN, coordinator of NOWPAP, stressed that significance of cooperation between NOWPAP and YSLME. He also mentioned the evaluation of RACs performance evaluation undertaken in Beijing and encouraged all the RACs should conduct more cooperation in the future activities.

Agenda item 2: Organization of the meeting

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

22. According to the Terms of Reference for the NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 3/17), the Meeting unanimously elected Dr. Hee-dong JEONG, Korean Focal Point, as the Chairperson, and Dr. Nikolay A. RYKOV, Russian Focal Point, as the Rapporteur respectively.

Agenda item 2.2: Organization of work

23. 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).

24. The Director of DINRAC presented a provisional list of documents (**Annex II**).

Agenda item 2.3: Adoption of the agenda

25. Upon the invitation of the Chairperson, the Director of DINRAC made a brief introduction to the Provisional Agenda (UNEP/NOWPAP/DINRAC/FPM 6/1) with the Annotated Provisional Agenda (UNEP/NOWPAP/DINRAC/FPM 6/2). He stressed that meeting should especially focus on the discussion of progress reports on DINRAC activities in 2006, proposal for new DINRAC activities in 2007 and proposal for the DINRAC's workplan and budget for the next biennium.

26. The Meeting unanimously adopted the agenda. (**Annex III**).

Agenda item 3: RCU's presentation on NOWPAP implementation since the 11th IGM

27. Mr. Xiaodong ZHONG, Deputy Coordinator of NOWPAP, presented to the Meeting a report on the implementation of NOWPAP since the 11th IGM, in which brief introduction to current activities of CEARAC, MERARC and POMRAC was made and other NOWPAP activities including the decisions of 11th IGM, building partnerships, public awareness raising, evaluation of RACs, Marine Litter Activity (MALITA) and the NOWPAP GEF Project Proposal are noted.

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

Agenda item 4.1: Report on the implementation of DINRAC Activities in 2006

28. The Director of DINRAC presented the report on the DINRAC activities implemented in 2006 (UNEP/NOWPAP/DINRAC/FPM 6/6) which is attached as **Annex VI**. In his presentation, the specific activities implemented by DINRAC since the 5th NOWPAP DINRAC Focal Points Meeting were introduced briefly. Besides, he also mentioned the evaluation on the performance of NOWPAP RACs during 2002-2005 and hoped it could help to provide clearer direction for more effective and fruitful DINRAC's activities conducted in the near future. Finally, he called for continuous support from DINRAC FPs and RCU for DINRAC projects.

29. Regarding the regional reports of Activity K and M, Dr. Alexander TKALIN asked if DINRAC had distributed draft regional reports to DINRAC Focal Points for revision comments. Mr. Jianguo WANG responded that the comments from DINRAC FPs would be solicited at and after the meeting.

Agenda item 4.2: Report on the annual expenditure of DINRAC budget for 2005/2006 biennium

30. The Director of DINRAC subsequently presented the report on the annual expenditure of DINRAC budget in 2006 (UNEP/NOWPAP/DINRAC/FPM 6/7) (**Annex V**).

31. Dr. Alexander TKALIN, Coordinator of NOWPAP, suggested DINRAC using the unspent budget more efficiently and encouraged more active participation of DINRAC FPs in the implementation of DINRAC activities.

32. In order to respond to the questions put forward by Mr. Yihang JIANG, Mr. Jianguo WANG explained the specific procedure of DINRAC in compiling and reviewing the national reports and regional report.

Agenda item 4.3: Progress report on the Update, Maintenance and Enrichment of DINRAC Website

33. Ms. Tong AN, senior engineer of DINRAC made a presentation on the progress of the Update, Maintenance and Enrichment of DINRAC Website (continue) (Activity B) (UNEP/NOWPAP/DINRAC/FPM 6/8), in which the updated columns of DINRAC website were introduced in charts and the visitors numbers and pageviews statistics of the website were also showed to the meeting.

34. Mr. Yihang JIANG made congratulation for DINRAC's progress on the website. But he also suggested DINRAC website should put more emphasis on NOWPAP regional activities instead of the other organizations and more useful related information should be provided in the website in order to achieve rapidly expansion of the website.

35. The Director of DINRAC noted that after completion of activity L and activity I, DINRAC website would be much better than before.

36. Dr. Alexander TKALIN also recommended deleting unnecessary links of the website and requested DINRAC to make a detailed statistics analysis on the most popular webpage or information of website and why so many visitors and then submit it to DINRAC FP and RCU next month.

Agenda item 4.4 Progress report on the Development of DINRAC Switchboard Accessing National Website of NOWPAP Members

37. Dr. Igor ROSTOV, Russian Focal Point, made a presentation on the Development of DINRAC Switchboard Accessing National Website of NOWPAP Members (Activity L) after the 5th DINRAC FPM (UNEP/NOWPAP/DINRAC/FPM 6/11). 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 modes and etc. Besides, he also demonstrated pilot version of DINRAC regional Portal slide by slide.

38. Mr. Jianguo WANG extended his congratulation for Russian FP's beautiful pilot work on implementation of Activity L, especially for the 20 information resources provided at the website. But he also put forward DINRAC's suggestions for extending framework of Activity L to establishment of the National Websites for NOWPAP in member countries using an example of website construction of Vietnam. He kindly invited meeting discussion on the following questions: 1) Do we need national websites? 2) If yes, how to do? 3) if not, are expected outcomes from the framework fine or to be refined?

39. Regarding the necessity of national website, DINRAC FPs from China, Japan, Korea and Russia agreed that it is no need to establish national website for NOWPAP by each member.

40. Regarding comments from DINRAC FPs to the framework of RICS provided by Dr. Igor ROSTOV, Dr. Alexander TKALIN suggested to give DINRAC FPs more time to visit demo-site and check and review the framework.

41. Mr. Yihang JIANG suggested to make clarification on what is going to be provided by the regional website and encouraged DINRAC FPs to take positive attitudes toward the proposal and make greater contribution to NOWPAP and even the whole world.

Agenda item 4.5: Progress report on the Framework and Further Development for the Creation of

NOWPAP DINRAC Meta-database

42. Dr. Hee-Dong, JEONG, Korean Focal Point, presented a brief progress report on the NOWPAP DINRAC Meta-database (Activity I) (UNEP/NOWPAP/DINRAC/FPM 6/9). He briefly summarized background information, the working process and the future works for Activity I.

43. Ms. Tong AN noted that there are still some problems existed in the DINRAC meta-database framework. She requested the Korean expert to accelerate revising and improving meta-database framework before proceeding next work.

44. Mr. Xiaodong ZHONG commented that much money had been spent on the Activity I and also expected Korean expert to finish his work on meta-database framework as early as possible. He also indicated the key point for DINRAC FPs is to discuss Korean experts' work seriously and make clear decision on the Activity I.

45. Dr. Sung-Dae KIM, Korean focal point emphasized the meta-database framework is not only for DINRAC but for the whole NOWPAP.

46. In respond to questions raised by Russian FPs, Prof. Yoshihisa SHIRAYAMA set forth his understanding on meta-database and portal website. He noted they are different in providing what kind of data and information and the key point is that we should make clear which one is what we really need.

Agenda item 4.6 Progress report on the Compilation of the National Report and Regional Report on Marine and Coastal Biodiversity Data and Information in the NOWPAP Region

47. Ms. Liyuan LIU, former DINRAC staff, presented a progress report on the Compilation of the National Report and Regional Report on Marine and Coastal Biodiversity Data and Information in the NOWPAP Region (Activity K) (UNEP/NOWPAP/DINRAC/FPM 6/10). She briefly introduced background information, current progress, next actions and budget expenditure of Activity K in the presentation. She also suggested soliciting comments from DINRAC FPs for final improvement of the regional report on biodiversity data and information in NOWPAP region (UNEP/NOWPAP/DINRAC/FPM6/Ref.3) within the next two months.

48. Mr. Jianguo WANG reiterated that the comments from DINRAC FPs on the regional report should be submitted by the end of July in order to present DINRAC activity outcome to the 12th NOWPAP IGM.

Agenda item 4.7 Progress report on Establishment of the Database of Marine and Coastal Nature Reserves in the NOWPAP Region

48. Dr. Xiangbin PEI, Chinese Focal Point, presented a progress report on the Establishment of the Database of Coastal and Marine Nature Reserves in the NOWPAP Region and the Compilation of the related National Reports and Regional Report (Activity M) (UNEP/NOWPAP/DINRAC/FPM 6/12). He

briefly summarized background, outcomes and actions of Activity M and mainly stressed the usefulness of digital map on nature reserves in the NOWPAP region.

49. Mr. Jianguo WANG requested Japan and Korea FPs to submit questionnaires again with each blank filled as early as possible.

Agenda item 4.8 Progress report on Compilation of the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of NOWPAP Region

50. Prof. Yudong ZHU, DINRAC staff, made a short report on the progress achieved on Compilation of the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of NOWPAP Region (Activity O) (UNEP/NOWPAP/ DINRAC/FPM 6/13). He briefly summarized the implementation of Activity O and noted that the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment in NOWPAP Region would be published by DINRAC as early as it has been finalized.

Agenda item 4.9 Progress report on Establishment of the Reference Database on AD & RDI

51. Dr. Svetlana KOZHENKOVA, Scientific Researcher from POMRAC presented a progress report on Establishment of the Reference Database on AD & RDI (Activity P, Joint activity with POMRAC) (UNEP/NOWPAP/DINRAC/ FPM 6/14). She mainly made a brief summary on the background and implementation of this activity. 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) have are now available at <http://dinrac.nowpap.org/NowpapReferenceAD.php3> and <http://dinrac.nowpap.org/NowpapReferenceRDI.php3>. She also expressed her appreciation to DINRAC for their great support to this activity on behalf of NOWPAP POMRAC. She hoped that future cooperation between POMRAC and DINRAC would also be such close and fruitful.

Agenda item 4.10 Progress report on NOWPAP Marine Litter (MALITA) Programme Activity 5 and 6

52. Prof. Yudong ZHU, DINRAC staff, made a brief report on the progress of NOWPAP Marine Litter (MALITA) Activity (UNEP/NOWPAP/DINRAC/FPM 6/15). 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 2006. He also briefed meeting information on the 1st and 2nd NOWPAP Workshop and the 1st and 2nd NOWPAP MALITA Working Meeting.

53. Dr. Nikolay A. RYKOV, Russian Focal Point asked about the budget of this activity. Mr. Jianguo WANG explained it is supported by RCU budget and the unspent budget for NOWPAP/2 would be used for MALITA activity.

Agenda item 5: Discussion on new suggested future activities in 2007**Agenda item 5.1: Proposal for Development of DINRAC Switchboard Accessing National Website of NOWPAP Members (Activity L, continue)**

54. After a lengthy discussion, Mr. Jianguo WANG concluded that DINRAC FPs from China, Japan and Korea should spend the next two months to review the demo site of Russia and then DINRAC would sign MOUs with FPs from four NOWPAP members respectively.

Agenda item 5.2 Proposal for Establishment of the Meta-database on Contaminants and Nutrients in the Marine and Coastal Environment (Activity N)

55. Mr. Satoshi SATO, Japanese Focal Point, made a proposal for Establishment of the Meta-database on Contaminants and Nutrients in the Marine and Coastal Environment (Activity N) (UNEP/NOWPAP/DINRAC/FPM 6/16), in which the background information, objectives, expected outcomes, actions required and timetable and budget are clearly stated. In addition, the template of questionnaire designed for Meta-database on contaminants and nutrients in the marine and coastal environment in the NOWPAP region is put forward and an example for how to respond the questionnaire is also showed at the meeting. He also suggested integrating contaminants and nutrients metadata into the meta-database framework of Activity I.

56. Dr. Igor ROSTOV, Russian Focal Point, put forward that activity N would be overlapped with Activity L. In order to solve duplication, Mr. Jianguo WANG provided three options for meeting's consideration: 1) to integrate Activity N into Activity L; 2) to keep individual activity; 3) to make conclusion at the next DINRAC Focal Points Meeting.

57. Prof. Yoshihisa SHIRAYAMA, Japanese Focal Point, suggested keeping these two activities individually since they involve different data and information. The meeting agreed with that suggestion.

Agenda item 5.3 Proposal for the Workplan and Budget in 2007

58. The Director of DINRAC made a brief presentation on the proposed Workplan and Budget Allocation in 2007 (UNEP/NOWPAP/DINRAC/FPM 6/17).

59. Dr. Alexander TKALIN repeated that the unspent budget should be used more efficiently.

60. Regarding the Activity C, Mr. Satoshi SATO, Japanese Focal Point, expressed they would still fulfill their task free of charge since they don't want to go through a very complicated procedure just for a small amount of money.

61. Mr. Jianguo WANG suggested sending combined budget of activity C and activity N to DINRAC FPs in order to avoid above-mentioned situation.

Agenda item 6. Discussion on new suggested future activities in biennium 2008/2009

Agenda item 6.1 Proposal for the WebGIS-based Electronic Oil Pollution Incidents Report in NOWPAP Region

62. Ms. Tong AN, senior engineer of DINRAC, made a proposal for the WebGIS-based electronic oil pollution incidents report in NOWPAP region (Activity Q, joint with MERRAC) (UNEP/NOWPAP/DINRAC/FPM 6/18), in which the background information related to WebGIS and Data and Information with Spatial location in NOWPAP members, objectives, main tasks, expected outcomes, timetable and budget were presented.

63. Prof. Yoshihisa SHIRAYAMA, Japanese Focal Point, expressed his concern on providing information related to sea boundary in the GIS. He suggested avoiding this kind of information in the proposal.

64. Ms. Hyon-Jeong NOH, representative of MERRAC, expressed that MERRAC would like to conduct cooperation with DINRAC. Regarding specific implementation and procedure, she noted that it is needed to be discussed between DINRAC and MERRAC after the meeting.

65. In respond to questions raised by Korean and Russian FPs, Mr. Jianguo WANG referred to the background information of this proposal. He noted GIS technology is widely used in internet and present data with map would be useful for DINRAC website.

66. Mr. Xiaodong ZHONG also suggested not putting sea boundary on the WebGIS platform if the proposal is approved. He recommended the meeting to discuss the details of the proposal after the meeting.

67. Prof. Yoshihisa SHIRAYAMA, Japanese Focal Point, suggested discussion and decision-making on this proposal should be done on tomorrow morning since Focal Points should have more time to prepare. The meeting agreed with his suggestion.

Agenda item 6.2 Proposal for Investigation on Alien Species and Its Potential Damage Evaluation in NOWPAP Region (Activity R)

68. Dr. Junsheng LI, an expert from China make a draft proposal for investigation on alien species and its potential damage evaluation in NOWPAP Region (Activity R)(UNEP/NOWPAP/ DINRAC/FPM 6/19). He briefly introduced the background information on alien species including definition, main invasive ways, examples of invasive species and potential damage, and also main tasks, expected outputs and estimated budget of Activity R.

69. Prof. Yoshihisa SHIRAYAMA suggested browsing the website of International Maritime Organization in order to avoid duplication.

70. Dr. Alexander TKALIN suggested taking step-by-step approach and encouraged more email communication between DINRAC and DINRAC FPs on proposals in addition to meetings.

71. Mr. Jianguo WANG expressed that DINRAC proposals for the next biennium would be submitted to 12th NOWPAP IGM in principle not in details. The proposals for the biennium 2008/2009 are flexible and greatly depend on the decision of IGM.

72. Prof. Yoshihisa SHIRAYAMA, Japanese Focal Point, suggested discussion and decision-making on this proposal should also be done on tomorrow morning because Focal Points should have more time to consider. The meeting agreed with his suggestion.

Agenda item 6.3 New Suggested Future Activities and Budget Allocation in Biennium 2008/2009

73. The Director of DINRAC presented the proposed Activities and Budget Allocation for the DINRAC in Biennium 2008/2009 (UNEP/NOWPAP/DINRAC/FPM 6/20). The participants are required to consider the proposed activities and draft budget allocation.

74. After a lengthy discussion, Mr. Xiaodong ZHONG suggested the DINRAC FPs to go over the proposed activities and budget after the reception and then make decision at the next morning session. The meeting agreed with his suggestion.

75. Dr. Alexander TKALIN noted that the DINRAC's workplan and budget for the biennium of 2008/2009 would be submitted to the 12th NOWPAP IGM which is to be held in October in 2007 for approval. He also mentioned that the budget for DINRAC might be less than 150,000 USD due to decreasing NOWPAP Trust Fund. He suggested the meeting to approve the DINRAC's workplan and budget for the next biennium in principle and DINRAC FPs could modify or finalize the proposal at the 7th NOWPAP/DINRAC Focal Points Meeting.

76. The meeting agreed with his suggestion and agreed to submit the workplan and budget for the 2008/2009 biennium (**Annex VI**) to the 12th IGM on NOWPAP.

Agenda item 7: Arrangement of intersessional work

77. Upon the invitation of Chairperson, the Director of DINRAC introduced the arrangement of intersessional work before the 7th NOWPAP/DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 6/21) as **Annex VII**. The leading country responsible for each activity is requested to report on the progress at the next DINRAC FPM.

78. Regarding the Activity I, Mr. Xiaodong ZHONG noted that it has been delayed for more than one year and suggested the responsible experts to finalize Activity I before the next IGM so that the DINRAC would report substantial outcome for the 12th IGM. He also hoped the framework of Activity I would be put into use in the future. Dr. Hee-Dong JEONG, Korean Focal Point, agreed with the comments mentioned above.

79. Regarding the Activity L, Dr. Igor ROSTOV, Russian Focal Point, made a short presentation on the pilot software of Russia with details of new information resources and system functions. He mainly demonstrated how to operate the software for other DINRAC FPs. Prof. Yoshihisa SHIRAYAMA noted the work of adding links or data into the framework had not been included in the MOU signed between DINRAC and Japanese Focal Point in 2006. Dr. Alexander TKALIN suggested that the task of FPs related to Activity L should be decided by DINRAC and FPs who will sign the MOUs in 2007.

80. Dr. Nikolay A. RYKOV, Russian Focal Point, suggested the leading countries of Activity Q and R should be selected and the new activities or proposals for next biennium should be discussed before the 7th DINRAC Focal Points Meeting.

81. Regarding the communication on Activity K and L among Focal Points, Dr. Alexander TKALIN suggested DINRAC using internet wisely and efficiently.

Agenda item 8: Preparations for the Seventh NOWPAP DINRAC Focal Points Meeting

82. The Meeting agreed that the Seventh NOWPAP DINRAC Focal Points Meeting will be held in a southern city of China in April, 2008.

Agenda item 9: Other matters

83. Regarding email communication, Mr. Jiangguo WANG requested the DINRAC FPs could respond emails of DINRAC timely. Dr. Alexander TKALIN suggested DINRAC to send copies to DINRAC FPs and RCU members for smooth communication. Prof. Yoshihisa SHIRAYAMA suggested DINRAC using a mailing list system for FPs.

84. No other issues were raised.

Agenda item 10: Adoption of the report of the meeting

85. The draft report of the Sixth 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

86. After the customary exchange of courtesies the Chairperson declared the Meeting closed at 12:30 on Friday, 25 May 2007.

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Annex I

List of Participants to the Sixth NOWPAP DINRAC Focal Points Meeting

Annex I

**LIST OF PARTICIPANTS TO
THE SIXTH NOWPAP DINRAC FOCAL POINTS MEETING
(Beijing, the People's Republic of China, 24-25 May 2007)**

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Annex II

List of Documents for the Sixth NOWPAP DINRAC Focal Points Meeting

Annex II

List of Documents for the Sixth NOWPAP DINRAC Focal Points Meeting

Working Documents

UNEP/NOWPAP/DINRAC/FPM 6/1	Provisional Agenda
UNEP/NOWPAP/DINRAC/FPM 6/2	Annotated Provisional Agenda
UNEP/NOWPAP/DINRAC/FPM 6/3	List of Documents
UNEP/NOWPAP/DINRAC/FPM 6/4	List of Participants
UNEP/NOWPAP/DINRAC/FPM 6/5	List of the Focal Points for NOWPAP DINRAC
UNEP/NOWPAP/DINRAC/FPM 6/6	Report on the Implementation of DINRAC Activities in 2006
UNEP/NOWPAP/DINRAC/FPM 6/7	Report on the Annual Expenditure of DINRAC Budget in 2006
UNEP/NOWPAP/DINRAC/FPM 6/8	Progress Report on Update, Maintenance and Enrichment of DINRAC Website
UNEP/NOWPAP/DINRAC/FPM 6/9	Progress Report on the Framework and Continues Work for the Creation of NOWPAP DINRAC Meta-database
UNEP/NOWPAP/DINRAC/FPM 6/10	Progress Report on the Compilation of the National Report and Regional Report on Marine and Coastal Biodiversity Data and Information in the NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 6/11	Progress Report on the Development of DINRAC Switchboard Accessing National Website of NOWPAP Members
UNEP/NOWPAP/DINRAC/FPM 6/12	Progress Report on Establishment of the database of Marine and Coastal Nature Reserves in the NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 6/13	Progress Report on Compilation of the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 6/14/1	Progress Report on Establishment of the Reference Database on AD & RDI by POMRAC
UNEP/NOWPAP/DINRAC/FPM 6/14/2	Progress Report on Establishment of the Reference Database on AD & RDI by DINRAC
UNEP/NOWPAP/DINRAC/FPM 6/15	Progress Report on NOWPAP Marine Litter (MALITA) Programme Activity 5 and 6

UNEP/NOWPAP/DINRAC/FPM 6/16	Proposal for Establishment of the Meta-database on Contaminants and Nutrients in the Marine and Coastal Environment
UNEP/NOWPAP/DINRAC/FPM 6/17	Proposal for the Workplan and Budget in 2007
UNEP/NOWPAP/DINRAC/FPM 6/18	Proposal for the WebGIS-based Electronic Oil Pollution Incidents Report in NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 6/19	Proposal for the Investigation on Alien Species and its Potential Damage Evaluation in NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 6/20	Proposal for the Workplan and Budget for the DINRAC Activities in the 2008/2009 Biennium
UNEP/NOWPAP/DINRAC/FPM 6/21	Arrangement of Intersessional Work

Reference Documents & Logistic Information

UNEP/NOWPAP/DINRAC/FPM6/Ref.1	Logistic Information for the 6th NOWPAP DINRAC Focal Points Meeting
UNEP/NOWPAP/DINRAC/ FPM6/Ref.2	Tentative Timetable for the 6th NOWPAP DINRAC Focal Points Meeting
UNEP/NOWPAP/DINRAC/FPM6/Ref.3	Regional Report on Marine and Coastal Biodiversity Data and Information in the Northwest Pacific Region
UNEP/NOWPAP/DINRAC/FPM6/Ref.4	Regional Report on Marine and Coastal Nature Reserves in the NOWPAP Region
UNEP/NOWPAP IG.11/10/FPM6/Ref.5	Auditor's Report on Revenue and Expenditure of the Project of NOWPAP DINRAC in 2006

Annex III

Agenda of the Sixth NOWPAP DINRAC Focal Points Meeting

Annex III

Agenda of the Sixth NOWPAP DINRAC Focal Points Meeting

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 11th IGM
4. Overview of the progress made in the intersessional period after the 5th NOWPAP DINRAC Focal Points Meeting
 - 4.1 Report on the implementation of DINRAC Activities in 2006
 - 4.2 Report on the annual expenditure of DINRAC budget for the 2005/2006 biennium
 - 4.3 Progress report on the Update, Maintenance and Enrichment of DINRAC Website (continue) (Activity B)
 - 4.4 Progress report on the Framework and Further Development for the Creation of NOWPAP DINRAC Meta-database (Activity I)
 - 4.5 Progress report on the Compilation of the National Report and Regional Report on Marine and Coastal Biodiversity Data and Information in the NOWPAP Region (Activity K)
 - 4.6 Progress report on the Development of DINRAC Switchboard Accessing National Website of NOWPAP Members (Activity L)
 - 4.7 Progress report on Establishment of the database of Marine and Coastal Nature Reserves in the NOWPAP Region (Activity M)
 - 4.8 Progress report on Compilation of the Regional Overview of Legal Aspects of the Protection and Management of the Marine and Coastal Environment of NOWPAP Region (Activity O)
 - 4.9 Progress report on Establishment of the Reference Database on AD & RDI (Activity P)
 - 4.10 Progress report on NOWPAP Marine Litter (MALITA) Programme Activity 5 and 6

5. Discussion on new suggested future activities in 2007
 - 5.1 Proposal for Development of DINRAC Switchboard Accessing National Website of NOWPAP Members (Activity L, to be continued)
 - 5.2 Proposal for Establishment of the Meta-database on Contaminants and Nutrients in the Marine and Coastal Environment (Activity N)
 - 5.3 Proposal for the Workplan and Budget in 2007
6. Discussion on new suggested future activities in biennium 2008/2009
 - 6.1 Proposal for the WebGIS-based Electronic Oil Pollution Incidents Report in NOWPAP Region (Activity Q)
 - 6.2 Proposal for Investigation on Alien Species and Its Potential Damage Evaluation in NOWPAP Region (Activity R)
 - 6.3 New Suggested Future Activities and Budget Allocation in Biennium 2008/2009
7. Arrangement of intersessional work
8. Venue and date of the Seventh 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 2006

Annex IV

Report on the Implementation of DINRAC Activities in 2006

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 supervision with the NOWPAP RCU and consultation with the other NOWPAP RACs for efficient information exchanges as well as in close collaboration with e.g. the IOC of UNESCO and UNEP on specific topics.

2. Organization, Staff and Budget

DINRAC had been a division within the premises of Environmental Information Center of SEPA since it was set up and has been moved to Policy Research Center for Environment and Economy of SEPA in 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 \$50,000 annually. DINRAC is also funded by NOWPAP Trust Fund approved by the Tenth NOWPAP Intergovernmental Meeting on a total USD \$165,500 for the biennium 2006/2007 for the DINRAC activities such as Focal Points Meeting, specific projects and others.

3. Major Activities of DINRAC in 2006

1) The Fifth NOWPAP DINRAC Focal Points Meeting:

- The Fifth NOWPAP DINRAC Focal Points Meeting took place in Shenzhen, the People's Republic of China, from 10 to 11 May 2006, with kind support from RCU.
- The meeting reviewed the progress made in the intersessional period after the Fourth 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, and strengthening cooperation with the other RACs and international organizations/programmes dealing with the data and information management had been discussed seriously at the meeting.
- NOWPAP Meta-database System Training Course had been conducted by a Korean expert. The objectives, core metadata elements, functions and system production, management, search and display were briefly introduced.
- The proposal for establishment of Reference Databases on Atmospheric Deposition of Contaminants into the marine and coastal environment and on River and Direct Inputs in NOWPAP Region through collaboration of DINRAC and POMRAC was agreed by the meeting.
- The meeting discussed DINRAC's newly expected 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 agreed to submit "General NOWPAP Policy on Data and Information Sharing" to the 11th IGM on NOWPAP.

2) Update, Maintenance and Enrichment of DINRAC Website

As one of main DINRAC activities of 2006, DINRAC website was updated and enriched greatly, 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 two and half years for the software development. Dr. Hae Seok Kang is still responsible for the system design. A web-based with map interface for selecting spatial coverage search condition and metadata import/export function for data exchange/sharing among member countries, international programs or organizations is being further developed to simulate the DINRAC's environment and configuration on computer software.

4) The specific activities being carried out in 2006

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

Russian Federation is the leading country to implement this activity. The MoUs between DINRAC and Russian and Japanese Focal Points have been signed in August and September respectively. The Framework and Pilot version of the system have been developed and installed on the website of Pacific Oceanological Institute as http://pacificinfo.ru/nowpap_demo/. The system is under final testing on the POI Website now. At the next stage, the new Russian information resources to be loaded/linked into the system will be prepared. The Focal Points of China and Korea will sign the MoU with DINRAC after the 6th DINRAC Focal Points Meeting. The DINRAC portal, national website and further action of the activity in 2008/2009 biennium would be discussed in the meeting.

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

The National Reports of China, Japan, Korea and Russian Federation have been submitted to DINRAC in 2006. The Regional Report on Marine and Coastal Biodiversity Data and Information in the NOWPAP Region has been drafted and revised by Russian consultant, Mr. Dr. Dmitriy Antonenko at the end of February, 2007. According to the national reports and regional report, the current situation of BD data and information in the region should be better understood and recommendations for future study priorities should be identified by the FPs. It is suggested that regional report should be elaborated in the meeting and made it a really good-quality and useful source of information not only for DINRAC, but for NOWPAP as a whole.

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

P. R. China is the leading country to implement this activity. The returned questionnaires and National Reports from four member countries have been received by DINRAC at the end of 2006 and in the early of 2007 respectively. The database related to the questionnaires has also been developed by DINRAC and now could be accessed at DINRAC website <http://dinrac.nowpap.org/NowpapNatureReserve.php3>. 21 records from Russia are available presently on the website. The regional Report on Marine and Coastal Nature Reserves in the NOWPAP region has been drafted by Chinese consultant, Dr. Li Junshen.

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

Japan is the leading country to implement this activity. Consultation with Japanese FP on formulation of its proposal for the activity N was started after the 5th DINRAC FPM. The proposal for the Activity N will be prepared by Japanese Focal Point, Mr. Satoshi SATO.

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

Regarding MALITA 6, each member country has submitted its National Summary to DINRAC respectively. The regional consultant has been hired through the selection of the candidates among four member countries. The comments for each national summary on MALITA 6 issued by regional consultant Dr. Xue Guifang, the professor of Ocean University of China, have been presented to MALITA Focal Points respectively. The further revision for the National summary is required from each Focal Point and Expert. The regional overview was prepared by the regional consultant mainly based on the outcomes of the national summaries. The MALITA WebPages, as a new column of DINRAC Website is presented for review at http://dinrac.nowpap.org/MALITA_Whatis.htm.

Regarding MALITA 5, the Data & Information for the MALITA activity, 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)

DINRAC has requested each NOWPAP member country to facilitate updating of Regional Overview of legal aspects which should reflect the current status of marine and coastal environment protection of each NOWPAP member. The updating of the regional overview was prepared by regional consultant Dr. Xue Guifang, mainly based on the updating of the national updating on 1 March, 2007. The comments for the further revision on the regional overview were issued consequently. The final version was finished by the regional consultant in May, 2007.

- Activity P: Establishment of the Reference Database on Atmospheric Deposition & River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region (Joint Activity with POMRAC)

According to the MoU between POMRAC and DINRAC on the activity of establishment of the databases of Reference AD and RDI signed on 8th June 2006, DINRAC has drafted the form for filling for each database as the references for POMRAC experts. The databases have been designed and could be accessed at DINRAC Website.

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

- Mr. Zhu Yudong, the DINRAC Senior Consultant participated in the Ninth NOWPAP MERRAC Focal Points Meeting held on 5-7 June 2006 in Daejeon, Republic of Korea, the First NOWPAP Workshop on Marine Litter held on 8-9 June 2006 and the NOWPAP MALITA Working Meeting held on 10 June, 2006 in Incheon, Republic of Korea.
- Ms. An Tong, the DINRAC Senior Consultant participated in the Fourth NOWPAP POMRAC Focal Points Meeting held on 25-26 April 2006 in Qingdao, the People's Republic of China.
- Ms. Liu Liyuan, the former DINRAC secretary participated in the Fourth NOWPAP CEARAC Focal Points Meeting held on 8-9 March 2006 in Toyama, Japan.
- Mr. Wang Jianguo, the director of DINRAC participated in the Third Meeting of the Regional Working Group for the Pollution Component, UNDP/GEF Project entitled "Reducing Environmental Stress in the Yellow Sea Large Marine Ecosystem" held in Dandong, the People's Republic of China on 4-7 September, 2006.
- Ms. Shang Yi, the former DINRAC Consultant participated in the International Coastal Cleanup & Workshop in Yamagata 2006 held on 29-30 September 2006 in Yamagata, Japan.

6) Publication of NOWPAP DINRAC

- The 3rd issue of DINRAC Newsletter is published and distributed in November 2006.
- The report of the Fifth NOWPAP DINRAC Focal Points Meeting has been published and distributed to the related people and organizations in the end of June. All related documents and presentations for the meeting were burned on a CD-ROM which is attached to the report.
- The new version of English-Chinese bilingual brochure on NOWPAP has been published in September 2006.
- A Chinese leaflet of NOWPAP MALITA has been published in September 2006. It is distributed at the International Forum on the Protection of Marine Environment from Land-based Activities held in Beijing, China on 18 October, 2006.
- Assistance to RCU for printing NOWPAP calendar 2007.

4. Summary

The Eleventh Intergovernmental Meeting made the item 7 of RESOLUTION 1 which Requests NOWPAP RCU after consultation with member states to hire a consultant to carry out the evaluation of the performance of NOWPAP RACs. The objectives of the evaluation are 1) to evaluate the performance of the NOWPAP RACs during the period of 2002-2005 and 2) to make suggestions for improvement of NOWPAP RACs performance.

The improvement of DINRAC activities performance is urgently strengthened. The mechanism for implementation of DINRAC activities should be improved greatly. We still have some difficulties and obstacles to overcome in the near future. In addition, closer cooperation among DINRAC and responsible DINRAC FPs are quite necessary.

Annex V

Report on the Annual Expenditure of DINRAC Budget In 2006

Annex V

Report On the Annual Expenditure of DINRAC Budget in 2006

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) was forwarded to the Tenth Intergovernmental Meeting (Toyama, Japan, 24-26 November 2005) for its approval. The Tenth IGM decided to allocate USD \$165,000 for DINRAC Activities for the biennium 2006/07.
2. The 5th NOWPAP DINRAC Focal Points Meeting (Shenzhen, China, 10-11 May 2006) revised workplan and budget for the 2006/07 biennium for DINRAC activities (UNEP/NOWPAP/DINRA/FPM 5/13), as shown in Table 1.

**Table 1 Workplan, budget and timetable for the DINRAC activities in 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)	More information and columns added in the website		2,500	2,500
Activity C: Update, Maintenance and Enrichment of the Databases of Institutions and Experts on Marine and Coastal 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
Activity I: Further Development of the NOWPAP DINRAC Meta-database Framework (continue)		December, 2005 – May, 2006	6,000	

<p><u>Activity K:</u> The compilation of a regional report on Marine and Coastal Biodiversity Data and Information</p>	<p>a) National report on Marine and Coastal and Biodiversity data and information b) Compilation and publication of a regional report</p>	<p>May – December 2006</p>	<p>18,000</p>	
<p><u>Activity L:</u> Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries</p>		<p>– December, 2007</p>	<p>15,000</p>	<p>12,000</p>
<p><u>Activity M:</u> Establishment of a Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region</p>		<p>December, 2006</p>	<p>16,000</p>	
<p><u>Activity N:</u> Establishment of a Meta-database on Contaminants and Nutrients in the coastal and Marine Environment</p>				<p>8,000</p>
<p><u>Activity O:</u> Compilation and publication of the overview on national legislation, objectives, strategies, policies and laws associated with marine environment of NOWPAP Members (NOWPAP/2)</p>		<p>– August, 2006</p>	<p>10,000</p>	
<p><u>Activity P:</u> Establishment of the Reference Databases on Atmospheric Deposition & River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region (RDI and RD Reference Databases)</p>		<p>– December, 2007</p>	<p>1,000</p>	<p>1,000</p>
<p><u>MALITA:</u> Establishment of Database on Marine Litter Coordinated by RCU and with other RACs</p>		<p>– December, 2007</p>	<p>5,500</p>	
<p><u>Total</u></p>			<p>107,000</p>	<p>58,500</p>

Table 2 DINRAC expenditures incurred in 2006

(Up to 31 December, 2006)

Unit: USD\$

Activities	Actions	Tentative Time	Budget In 2006	Exp.
Activity B: Update, Maintenance and Enrichment of DINRAC Website (continue)	DB of Marine Experts and Institutions; Meeting Reports; Regional Seas etc.	– December, 2007	2,500	2,500
Activity G: Organization of FPM	Organization of the 5th Focal Points Meeting	April – May 2006	25,000	24,516
Activity H: Cooperation, Communication of DINRAC Activities	Coordination, travel, meetings, communication, publications of DINRAC activities	– December, 2006	8,000	8,484
Activity I: Further Development of the NOWPAP DINRAC Meta-database Framework (continue)	1. Develop a dissemination, search, exchange platform 2. Develop a map interface module for adding or selecting spatial coverage date using map	December, 2005 – May, 2006	6,000	0
Activity K: The Compilation of National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information	1. National report on Coastal and Marine Biodiversity data and information 2. Compilation and publication of a regional report	May – December 2006	18,000	15,500
Activity L: Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries	1. Selection/collection of coastal, marine, ecological and marine environment quality related information on NOWPAP area. 2. Translation into English 3. Development and enrichment of national/institutional websites/webpages.. 4. Definition of future development needs	– December, 2007	15,000	9,000
Activity M: Establishment of a Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region	1. Data Collection, essential compilation and harmonization to the data 2. Formulation of the National Reports 3. Development of the Regional Report	– December, 2006	16,000	14,000

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)	1. Analyze updates made by four member states 2. Communication with the National Experts 3. Finalize draft Regional Overview	– August, 2006	10,000	3,000
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)	1. Formulation of the data filling format 2. Establishment of the databases 3. Publishing of databases at the DINRAC Website 4. Development and Printing of the pamphlet and CD	– December, 2007	1,000	1,000
MALITA: Establishment of Database on Marine Litter and Other Related Tasks Coordinated by RCU and with other RACs	1. Compile a national summary 2. Prepare a Regional Overview 3. Establishment of Database on DINRAC Website	– December, 2007	5,500	5,000
Total			107,000	83,000

- Table 1 shows the summary of the DINRAC budget and expenditure incurred from 1 January 2006 up to 31 December, 2006. Details of project expenditures have been reported to UNEP, in line with the relevant regulation of Project Document of UNEP, as on March 8, 2007.
- Mr. Jorge Flores, the PMO of Budget and Financial Management Service of UNEP transferred NOWPAP Trust Fund \$50,000 in June and \$40,000 in September 2006 to DINRAC account respectively.
- The total cumulative expenditures incurred from 1 January 2006 to 31 December 2006 is USD \$83,000.
- The unspent balance for the implementation of activities up to the end of December, 2006 is US\$24,000 as shown in Table 3. It has been moved to the proposal budget in 2007. It was requested by DINRAC to UNEP for initiation a necessary action for the budget revision of DINRAC.

Table 3 Unspent Balance for the Implementation of Activities in 2006

(Up to 31 December, 2006)

Unit: USD\$

Activities	Original budget in 2006	Unspent Balance in 2006
<u>Activity I:</u> Further Development of the NOWPAP DINRAC Meta-database Framework (continue)	16,000	6,000
<u>Activity K:</u> The Compilation of National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information	18,000	2,500
<u>Activity L:</u> Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries	9,000	6,000 (China 3,000 Korea 3,000)
<u>Activity M:</u> Establishment of a Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region	16,000	2,000 (Publication 1,000 Database 1,000)
<u>Activity O:</u> Compilation and publication of the overview on national legislation, objectives, strategies, policies and laws associated with marine environment of NOWPAP Members (NOWPAP/2)	10,000	7,000 (Consultant 1,000 Publication 1,000 Others 5,000)
<u>MALITA:</u> Establishment of Database on Marine Litter and Other Related Tasks Coordinated by RCU and with other RACs	5,000	500
<u>Total</u>		24,000

- The opening cash balance of DINRAC account as at January 1, 2006 is USD \$13,635.
- Zhongcai Certified Public Accountants Co., Ltd will undertake the financial audit of the revenue and expenditure in 2006 for DINRAC activities.

Annex VI

**Revised Workplan and Budget for the DINRAC Activities
in the Biennium 2008/2009**

Annex VI

Proposal for the Workplan and Budget for the DINRAC Activities for the 2008-2009 Biennium

1. As the workplan and budget for the 2006/2007 biennium will be completed, the 6th DINRAC Focal Points Meeting is kindly requested to prepare a proposal for the workplan and budget for the DINRAC activities for the next biennium, prior to the Twelfth Intergovernmental Meeting to be held in October, 2007 in China.
2. Based upon the resolutions made by the previous IGM, amount of US\$150,000 is allocated for the DINRAC activities for 2008/2009 biennium.
3. US\$150,000 is equally allocated to each RAC for the equality between RACs.
4. To carry out the workplan and budget in an efficient and cost-effective manner should be taken into account.

Proposed Activities for the Biennium 2008/2009

5. 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, Meta-database management and WebGIS 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.
6. Activity G: Organization of Focal Points Meetings
The Seventh and Eighth DINRAC Focal Points Meetings (two days) will be annually held in April or May of 2008 and 2009 respectively, to carry out their designated goals and purposes, which are described in the Terms of Reference (ToR) for the DINRAC Focal Points Meeting. To provide periodical review and approval on the progress in implementation of the workplan, budget as approved by the IGM, and to give advice and recommendation to the IGM on the workplan and budget and other matters on which the Focal Points are interested are the major tasks DINRAC Focal Points Meeting carries out. The venue of the Seventh and Eighth DINRAC Focal Points Meetings will be held in China, unless other members request to host the meeting.
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 will be funded by meeting budget)

7. *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 Meeting to summarize and report DINRAC activities to the meeting annually.

DINRAC will also maintain contacts with other programmes, so that coordination and cooperation will be ensured.

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

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

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

It was proposed by Russian Focal Point on the 5th DINRAC FPM (UNEP/NOWPAP/DINRAC FPM 5/14) that a specific project on Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries should be carried out for the year of 2006 in order to establish formal linkages among relevant agencies/institutions in the NOWPAP Members. A mechanism of 'Clearing-House' to provide links to resources will be available in NOWPAP Member Countries. The progress of the activity has been made by Russian Experts in 2006 (UNEP/NOWPAP/DINRAC/FPM 6/11). The continual steps following the first stage are necessary to be taken in the year of 2007 and in the next biennium by four member countries.

Expected outcomes from this activity are as:

- a. National/institutional thematic English-language websites/WebPages will be identified;
- b. Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries will be in operation mode providing access to national/regional websites/WebPages;
- c. The system will be useful for participating institutes, other RACs and public as tool for a decision support and crisis-management system.

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

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

9. *Activity N: Establishment of a Meta-database on Contaminants and Nutrients in the Marine and Coastal 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. 2,000 USD for the development the formats of the Questionnaires and the National Reports,
- c. 1,000 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.

10. Activity Q: WebGIS-based electronic oil pollution incidents report in NOWPAP region

This activity aims to display the oil pollution incidents data which had happened in four member countries from 1990 to 2005 (UNEP/NOWPAP/MERRAC/FPM 9/8) using web-based GIS software. It makes the oil spill accidents data more viewable and more convenient with space position on DINRAC WebPages. It is an exact step towards achieving function of DINRAC to provide service for other three RACs on data and information.

The data exactly exists and is opened already. However, the up-to-date database for the oil pollution incidents would be updated year by year as usual.

It will be taken as a pilot activity to show the marine and coastal environmental data and information through web-based GIS. The HAB, nature reserves and marine litter will be considered as the following activities if the oil pollution will be worth our while and be proved valuable.

A good example for the activity is the cooperation between POMRAC and DINRAC on the creation of reference databases of AD and RDI implemented in the biennium 2006/2007.

MERRAC has responded with great support to the proposal for Activity Q. After developing the WebGIS, it is assumed to link the results with MERRAC website.

If it is agreed by the meeting, DINRAC is going to act as the leading organization in the implementation of Activity Q. A new proposal for this activity has been presented at the 6th DINRAC FPM (UNEP/NOWPAP/DINRAC/FPM 6/18).

Budget: Contract with one company for the implementation of the Activity Q.

USD \$20,000 would be allocated in the year 2008.

11. Activity R: 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 and is one of important course to biodiversity loss.

There are many factors coursing invasive alien species problem. It is also an increasing environmental point in the region. Therefore collect alien species information and develop related

databases, 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\$ 20,000 and estimated time for implementation is 2 years.

12. The proposed workplan, budget and timetable for the activities of DINRAC for the biennium 2008/2009 is shown in **Table 1**:

Table 1. 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)	WebGIS based WebPages National website node Mate-database 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		25,000
Activity H: Cooperation, Communication of DINRAC activities	Coordination, travel, meetings, communication, publications of DINRAC activities		8,000	8,000
Activity L: Establishment 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	12,000	12,000
Activity N: Establishment of a Meta-database on Contaminants and Nutrients in the coastal and Marine Environment		~ December, 2008	15,000	

<u>Activity Q:</u> WebGIS-based electronic oil pollution incidents report in NOWPAP region		~ December, 2008		20,000
<u>Activity R:</u> Investigation on alien species and its potential damage evaluation in NOWPAP Region		May 2008 ~ December, 2009		20,000
<u>Total</u>			62,500	87,500

13. The meeting is kindly invited to consider the draft, and to comment and amend as it deems appropriately.

14. Then, the meeting is requested to finalize the draft workplan, budget and timetable for the activities of DINRAC for the biennium 2008/2009 to the Twelfth IGM for final approval.

Annex VII

Arrangement of Intersessional Work

Annex VII

Arrangement of Intersessional Work

1. The existing inter-sessional work between the Fifth and Sixth 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**.
2. The meeting is kindly requested to review the progress of existing intersessional work of DINRAC.
3. The Fifth NOWPAP DINRAC Focal Points Meeting (Shenzhen, 10-11 May 2006) and the Eleventh NOWPAP IGM (Moscow, 20-22 December 2006) agreed the tentative workplan and timetable of DINRAC for the biennium 2006/2007. The meeting is kindly invited to identify the new and/or additional tasks to be implemented during the 2007/2008 biennium, taking into account the comments and/or results made during the meeting. The new tasks will be listed in **Table 2**.

Table 1. Existing 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. <u>Activity B:</u> 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 Sixth DINRAC Focal Points Meeting 	<ul style="list-style-type: none"> - Documents preparation of the Sixth 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 eleventh NOWPAP Intergovernmental Meetings - Participation in the Fifth POMRAC and CEARAC FPMs and the ninth MERRAC FPM - Meeting and communication with RCU, CPBSEA, YSLME and other regional programmes
4. Publication	DINRAC	<ul style="list-style-type: none"> - Related documents publication 	<ul style="list-style-type: none"> - The Fifth NOWPAP DINRAC Focal Points Meeting Report - The third issue of DINRAC Newsletter - Compile the updated NOWPAP brochure in Chinese-English version - Printing the NOWPAP Calendar 2007 - Chinese leaflet of MALITA
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			
<p>1. <u>Activity I:</u> Extention Function of Framework for the Creation of NOWPAP DINRAC Meta-database</p>	<p>KOREA</p>	<ul style="list-style-type: none"> - Development of a document containing core elements of NOWPAP DINRAC Meta-Database System including data archiving and distribution - Development of a new meta-database production for the region including management system and application system (data archive management system) - Development of a dissemination, search, exchange platform used by NOWPAP DINRAC Website - Submission and transfer of all systems and operation manual to DINRAC for the test running 	<ul style="list-style-type: none"> - Framework for creation of NOWPAP DINRAC meta-database system - Extention function of framework for NOWPAP DINRAC meta-database system
<p>2. <u>Activity K:</u> Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region</p>	<p>DINRAC</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 	<ul style="list-style-type: none"> -The National Reports on marine and coastal biodiversity data and information in the NOWPAP region - The Regional Report on marine and coastal biodiversity data and information in the NOWPAP region
<p>3. <u>Activity L:</u> Establishment of Regional Internet Communication Systems between DINRAC and National Website of NOWPAP Members</p>	<p>RUSSIA</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 	<ul style="list-style-type: none"> - National/institutional thematic English-language websites/webpages - Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries

<p>4. <u>Activity M:</u> Establishment of the Database of Coastal and Marine Nature Reserves in the NOWPAP Region</p>	<p>CHINA</p>	<ul style="list-style-type: none"> - Development of formats for Questionnaires and National Reports - Data collection and harmonization - Establishment of meta-database & 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 	<ul style="list-style-type: none"> - A meta-database on marine and coastal nature reserves in the NOWPAP region - The National Reports on the Current Status of marine and coastal nature reserves in the NOWPAP region and The Regional Report on the Current Status of marine and coastal nature reserves in the NOWPAP region - CD-ROM
<p>5. <u>Activity N:</u> Establishment of a Meta-database on Contaminants and Nutrients in the coastal and Marine Environment</p>	<p>JAPAN</p>	<ul style="list-style-type: none"> - Development of the proposal for establishment of a meta-database on contaminants nutrients in the coastal and marine environment 	<ul style="list-style-type: none"> - The proposal will be submitted to the Sixth NOWPAP DINRAC Focal Points Meeting for the final agreement
<p>6. <u>Activity O:</u> (NOWPAP/2) Compilation and Publication of the Overview on national legislation, objectives, strategies, policies and laws associated with marine environment of NOWPAP Members</p>	<p>DINRAC</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 environmental legislation - Requests NOWPAP Member to facilitate updating of such overview - Finalize, edit and publish the overview on national environment legislation, strategies and policies using the resources 	<ul style="list-style-type: none"> - National reports on the current status of marine environment legislation, objectives, strategies and policies of four NOWPAP Members - Compilation and publication of the regional overview associated with the national reports of NOWPAP Members

<p>7. <u>Activity P:</u> (AD and RDI Reference Databases) Establishment of the Reference Databases on Atmospheric Deposition & River and Direct Inputs of Contaminants into the Marine and Coastal Environment in NOWPAP Region</p>	<p>DINRAC and POMRAC experts</p>	<ul style="list-style-type: none"> - Formulation of the data filling format - Establishment of the databases - Publishing of the databases at the DINRAC Website - Development and Printing of the pamphlet and CD - Integration of databases into NOWPAP DINRAC Meta-database 	<ul style="list-style-type: none"> - Establishment of AD reference Database - Establishment of RDI Reference Database
<p>8. <u>MALITA:</u> Establishment of Database on Marine Litter and other related tasks, coordinated by RCU and with other RACs</p>	<p>DINRAC</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 proposal 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 	<ul style="list-style-type: none"> - Establishment of database on marine litter - Preparation of brochures in Chinese for the purpose of promoting public awareness on the reduction of ML - Etc.

Table 2. Identification of Additional Tasks, and its Leading Country/Institution, Required Actions and Expected Outputs for 2007/2008 Biennium (to be filled out at the meeting)

Tasks	Leading Country / Institution	Actions	Expected Outputs
1. Routine task carried out by DINRAC			
1. <u>Activity B:</u> Update and Maintenance of DINRAC website	DINRAC	- Continuous collection and dissemination of information	- Updated DINRAC website
2. Focal Points Meetings	DINRAC	- Coordinate and organize the Seventh Focal Points Meeting	- Focal Points Meetings / Reports submitted to Intergovernmental Meetings
3. Communications	DINRAC	- Maintain routine communication links between relevant authorities in the NOWPAP region	- Facilitation of data and information exchange relevant to coastal and marine environment among the NOWPAP programmes
4. Publications	DINRAC	- Compile the fourth issue of the NOWPAP DINRAC Newsletter - Publication related to activities etc.	
5. Other Routine Tasks as described by the TOR of DINRAC or decided upon by the FP Meetings	DINRAC		

2. Specific project coordinated by DINRAC			
1. <u>Activity C:</u> Update, Maintenance and Enrichment of the Databases of Institutions and Experts on Coastal and Marine Environment	DINRAC and DINRAC FPs in NOWPAP Members	- Update and maintain NowpapExpert and NowpapInstitution Databases	- The Updated NowpapExpert and NowpapInstitution Databases uploaded to DINRAC Website
2. <u>Activity K:</u> Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region	DINRAC	- 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	- The draft regional report on marine and coastal biodiversity data and information in the NOWPAP region reviewed - publication
3. <u>Activity L:</u> Establishment of Regional Internet Communication Systems between DINRAC and National Website of NOWPAP Members	RUSSIA	- 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.	- Recognize the sample developed by Russian experts - Identify the future development - Regional Internet Communication Systems between DINRAC and NOWPAP Member Countries

<p>4. <u>Activity M:</u> Establishment of the database of Coastal and Marine Nature Reserves in the NOWPAP Region</p>	<p>CHINA</p>	<ul style="list-style-type: none"> - Development of formats for Questionnaires and National Reports - Data collection and harmonization - Establishment of meta-database & 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 	<ul style="list-style-type: none"> - Identify the current gaps from the activity MoUs - Review the regional report - Questionnaire filled out by the Members - Publish the national reports and the regional report - CD-ROM
<p>5. <u>Activity N:</u> Establishment of a Meta-database on Contaminants and Nutrients in the coastal and Marine Environment</p>	<p>JAPAN</p>	<ul style="list-style-type: none"> - Approval the proposal by the Sixth DINRAC Focal Points meeting - Data Collection, essential compilation and harmonization of the data - Establishment of the meta-database - Development of the related Web service programs 	<ul style="list-style-type: none"> - Meta-databases uploaded to DINRAC Website - Publication
<p>6. <u>Activity Q:</u> WebGIS-based electronic oil pollution incidents report in NOWPAP region</p>	<p>DINRAC</p>	<ul style="list-style-type: none"> - Collect basic geological data with a scale of 1:1,000,000 - Setup the data dictionary - Input the thematic attribute data into the database after the harmonization and standardization of the data - Layer storage management standards 	<ul style="list-style-type: none"> - Establish the basic geological database for NOWPAP region - WebGIS platform at DINRAC Website - Basic geographical database - Thematic attribute database (oil spill accidents before 2009) - Technical documents
<p>7. <u>Activity R:</u> Investigation on Alien Species and its Potential Damage Evaluation in NOWPAP Region</p>	<p>DINRAC</p>	<ul style="list-style-type: none"> - Investigation invasive alien species information and their potential damage in NOWPAP member countries and compiling national summary on the issue - Development related database based on collected data and information, publish information on the DINRAC website - Compile a regional overview on the invasive alien species in NOWPAP region 	<ul style="list-style-type: none"> - Compile the regional overview on the invasive alien species in NOWPAP region - Develop and publish related databases

8. <u>MALITA:</u> Establishment of Database on Marine Litter Coordinated by RCU and with other RACs	DINRAC		
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