

# NOWPAP DINRAC

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UNEP

## Report of 4th NOWPAP DINRAC Focal Points Meeting

DINRAC, Dalian, the People's Republic of China

27 – 28 September 2005

## THE FOURTH NOWPAP DINRAC FOCAL POINTS MEETING

(DINRAC, Dalian, People's Republic of China, 27-28 September 2005)

### REPORT OF THE MEETING

#### TABLE OF CONTENTS

<b>Background .....</b>	<b>3</b>
<b>Agenda item 1: Opening of the meeting .....</b>	<b>5</b>
<b>Agenda item 2: Organization of the meeting .....</b>	<b>6</b>
Agenda item 2.1: Election of the officers (Chairman, Rapporteur) .....	6
Agenda item 2.2: Organization of work .....	6
Agenda item 2.3: Adoption of the agenda .....	6
<b>Agenda item 3: RCU's presentation on NOWPAP implementation since the 9th IGM</b> <b>.....</b>	<b>6</b>
<b>Agenda item 4: Overview of the progress made in the intersessional period after the</b> <b>Third NOWPAP DINRAC Focal Points Meeting .....</b>	<b>7</b>
Agenda item 4.1: NOWPAP DINRAC Report of Activities in the 2004/2005 biennium	7
Agenda item 4.2: Report on the annual expenditure of DINRAC budget for 2004/2005 biennium .....	7
Agenda item 4.3: Progress report on the Activity on Existing GIS type Products from within and outside of NOWPAP (Activity J) .....	7
Agenda item 4.4: Progress report on the Framework for the Creation of NOWPAP DINRAC Meta-database (Activity I).....	8
Agenda item 4.5: Reports on the status and activities of data and information management systems in 2004/2005 by NOWPAP Members .....	8
Agenda item 4.5.1: Report on the status and activities of data and information management systems in 2004/2005 by China .....	8
Agenda item 4.5.2: Report on the status and activities of data and information management systems in 2004/2005 by Japan.....	8
Agenda item 4.5.3: Report on the status and activities of data and information management systems in 2004/2005 by Korea.....	9
Agenda item 4.5.4: Report on the status and activities of data and information management systems in 2004/2005 by Russia .....	9
<b>Agenda item 5: New Suggested future activities in 2005, 2006 and 2007 .....</b>	<b>9</b>
Agenda item 5.1: Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region	

(Activity K).....	9
Agenda item 5.2: Establishment of the Regional Internet Communication Systems between DINRAC and National Websites of NOWPAP Members (Activity L) .....	10
Agenda item 5.3: Establishment of the Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region (Activity M) .....	10
Agenda item 5.4: Establishment of Coastal Wetland Databases and Information Service System Using RS and GIS in the NOWPAP Region (Activity N) .....	10
Agenda item 5.5: Compilation and Publication of the Overview on National Legislation, Objectives, Strategies, Policies and Laws Associated with Marine Environment of NOWPAP Members (NOWPAP/2) (Activity O) .....	11
<b>Agenda item 6: Identification of continuous work and budget in 2005.....</b>	<b>11</b>
<b>Agenda item 7: Discussion on the proposed DINRAC workplan and budget for the 2006/2007 biennium .....</b>	<b>11</b>
<b>Agenda item 8: Arrangement of intersessional work.....</b>	<b>12</b>
<b>Agenda item 9: Preparations for the Fifth NOWPAP DINRAC Focal Points Meeting</b>	<b>12</b>
<b>Agenda item 10: Other matters .....</b>	<b>12</b>
<b>Agenda item 11: Adoption of the report of the meeting.....</b>	<b>12</b>
<b>Agenda item 12: Closure of the meeting.....</b>	<b>13</b>

## **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. Based upon the agreement of the Third NOWPAP DINRAC Focal Points Meeting, the Fourth NOWPAP DINRAC Focal Points Meeting was held on 27-28 September, 2005 in Dalian, China. Representatives of the NOWPAP Members: China, Japan, Korea and Russia participated in the meeting. The representative of Regional Coordinating Unit (RCU) and the Data and Information Network Regional Activity Centre (DINRAC) acted as secretariat for the meeting. Representatives of three other NOWPAP RACs, the Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC), the Pollution and Special Monitoring & Coastal Environmental Assessment Regional Activity Centre (CEARAC) and the Pollution Monitoring Regional Activity Centre (POMRAC), participated in the meeting as observers. A full list of participants is attached in **Annex I** to the present report.

#### **Agenda item 1: Opening of the meeting**

15. The Meeting was opened at 9:10 a.m. on September 27, 2005 in Dalian, People's Republic of China by Mr. Jianguo WANG, Director of DINRAC. Mr. WANG expressed his welcome to all the participants and also his sincere gratitude to NOWPAP RCU and NOWPAP Members for their kind support and contributions to the DINRAC activities. In his opening remarks, he also emphasized the heavy and important tasks of this Meeting which are to review the progress of the DINRAC activities in 2004/2005 and to discuss and reach agreement on the DINRAC workplan and budget for the biennium of 2006/2007.

16. Dr. Alexander TKALIN, NOWPAP Coordinator, expressed his greetings to the participants of the Meeting and also his sincere appreciation to the State Environmental Protection Administration of China (SEPA) and NOWPAP Members for their kind support to the DINRAC activities. He stressed DINRAC is a very important part of NOWPAP and should provide information on all the NOWPAP activities including oil spills and HABs, etc.. He hoped users could get the information on the environmental quality in the NOWPAP region through DINRAC website in the future. He also mentioned that the new suggested projects by DINRAC would be discussed in the Meeting and put forward to the 10th IGM for approval. He hoped the Meeting would be interesting and productive.

17. 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.

## **Agenda item 2: Organization of the meeting**

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

18. According to the Terms of Reference for the NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 3/17), the Meeting unanimously elected Mr. Weixue CHENG, Senior Consultant of Department of International Cooperation, State Environmental Protection Administration of China, as the Chairman, and Mr. Tomotaka ITO, Senior Liaison Officer of Hydrographic and Oceanographic Department, Japan Coast Guard, as the Rapporteur respectively.

### Agenda item 2.2: Organization of work

19. 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).

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

### Agenda item 2.3: Adoption of the agenda

21. Upon the invitation of the Chairman, the Director of DINRAC made a brief introduction to the Provisional Agenda (UNEP/NOWPAP/DINRAC/FPM 4/1) with the Annotated Provisional Agenda (UNEP/NOWPAP/DINRAC/FPM 4/2).

22. Dr. Alexander TKALIN suggested less time should be spent on the review of the progress reports of DINRAC and more time should be left for the discussion on the new proposals which would be included in the DINRAC workplan and budget for the biennium 2006/2007 due to the tight agenda. The Meeting agreed to the suggestion and adopted the agenda with minor changes (**Annex III**).

## **Agenda item 3: RCU's presentation on NOWPAP implementation since the 9th IGM**

23. Dr. Alexander TAKLIN, NOWPAP Coordinator presented to the Meeting a report on the implementation of NOWPAP since the 9th IGM which mainly included decisions of 9th IGM, brief introduction to CEARAC, MERARC and POMRAC and RCU. In his presentation, contacts with other programs and projects, public awareness, GEF PDF-B Proposal and other related issues were also mentioned.

24. Subsequently, Mr. Jianguo WANG, the Director of DINRAC indicated that progress had been made on NOWPAP after the establishment of RCU and hoped NOWPAP would achieve more fruits in the future.

25. Regarding to the coordination of data and information exchange between DINRAC and other RACs put forward by the Russian Focal Point, Dr. Alexander TKALIN emphasized the role of DINRAC and expressed RCU would provide guidance, suggestions and support for the activities of DINRAC continuously and would make more arrangements for the coordination of data and information exchange among RACs.

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

Agenda item 4.1: NOWPAP DINRAC Report of Activities in the 2004/2005 biennium

26. The Director of DINRAC presented the report on the DINRAC activities implemented in the biennium 2004/2005 (UNEP/NOWPAP/DINRAC/FPM 4/6) which is attached as **Annex VI**. He stressed that the Activity on Existing GIS-type Products within and outside of NOWPAP (Activity J) and the Framework for the Creation of NOWPAP DINRAC Meta-database (Activity I) were two important projects implemented after the Third NOWPAP DINRAC Focal Points Meeting.

Agenda item 4.2: Report on the annual expenditure of DINRAC budget for 2004/2005 biennium

27. The Director of DINRAC subsequently presented the report on the annual expenditure of DINRAC budget for 2004/2005 biennium (UNEP/NOWPAP/DINRAC/FPM 4/7) (**Annex V**). He also pointed out the unspent budget in this biennium should be rearranged by the meeting.

28. After a lengthy discussion, the general comment on the agenda item 4.1 and 4.2 was made by Dr. Alexander TKALIN. He expressed that relations of DINRAC and other organizations or projects such as IOC and NEAR-GOOS should be established gradually and DINRAC should actively participate in the meetings of NEAR-GOOS to share information. He recommended the data sharing mechanism of NEAR-GOOS should be used for reference by NOWPAP; regarding to the leading country mechanism for DINRAC, he suggested it should be implemented when necessary; regarding to the unspent budget, Dr. Alexander TKALIN reminded that it would be returned to NOWPAP trust fund and the budget for Activity K should be considered to be included into the workplan and budget for the biennium of 2006/2007.

Agenda item 4.3: Progress report on the Activity on Existing GIS type Products from within and outside of NOWPAP (Activity J)

29. Ms. Tong AN, senior engineer of DINRAC made a brief introduction to the progress report on the Activity on Existing GIS-type Products from within and outside of NOWPAP (UNEP/NOWPAP/DINRAC/FPM 4/9). She mainly stated the actions completed, on-going and follow-up work of Activity J. The statistic of data on NOWPAP GIS and RS datasets, systems and reports had also been clearly calculated and summary on the implementation of Activity J



had been made. She also expressed that these information would be accessible for public once completion. Dr. Alexander TKALIN congratulated DINRAC staff for implementation of Activity J and the Meeting agreed that this activity is an important achievement of DINRAC.

Agenda item 4.4: Progress report on the Framework for the Creation of NOWPAP DINRAC Meta-database (Activity I)

30. Dr. Hae-Seok KANG, the expert from the Republic of Korea implementing Activity I made a detailed presentation on the progress of framework for the creation of NOWPAP DINRAC meta-database(UNEP/NOWPAP/DINRAC/FPM 4/8/1) and NOWPAP DINRAC Meta-database System Software User Manual (UNEP/NOWPAP/DINRAC/FPM 4/8/2). In his presentation, background, objective and features of Activity I, metadata, metadata standards, typical meta-database systems, NOWPAP DINRAC core metadata elements, metadata production and management system and metadata search and display system were clearly stated. He also mentioned that future works in 2006 should be the separate meta-data input to the framework.

31. Mr. Chairman and Dr. Alexander TKALIN made congratulations to the Korean expert for implementing Activity I. They confirmed the framework for the creation of meta-database is the great achievement for DINRAC and it could be utilized now and the budget to continue this activity should be allocated by DINRAC in the next biennium. They also hoped it could be accessible and operational in the future after input of metadata into the framework.

Agenda item 4.5: Reports on the status and activities of data and information management systems in 2004/2005 by NOWPAP Members

Agenda item 4.5.1: Report on the status and activities of data and information management systems in 2004/2005 by China

32. Dr. Xiangbin PEI, Chinese Focal Point made a brief presentation on the status and activities of data and information management systems in 2004/2005 biennium in China. He briefly introduced coastal and marine environment monitoring and assessment in 2005, marine geographical information system and the project of coastal and marine comprehensive survey and assessment.

Agenda item 4.5.2: Report on the status and activities of data and information management systems in 2004/2005 by Japan

33. Mr. Tomotaka ITO, Japanese Focal Point presented a national report of Japan on the status and activities of data and information management systems in 2004/2005, in which he made a progress report of Japan on the Activity J and a switchboard proposal on marine environment information in Japan with specific illustrated examples.

34. Dr. Alexander TKALIN expressed his appreciation for the nice presentation and great work by Mr. Tomotaka ITO. He suggested DINRAC website should set up such links as showed in the presentation of Mr. ITO but with English text explaining what kind of data is stored and how it can be used for NOWPAP.

Agenda item 4.5.3: Report on the status and activities of data and information management systems in 2004/2005 by Korea

35. Dr. Sung-Dae KIM, Korean Focal Point presented a report on the status of data and information management system in Korea in 2004/2005 biennium which is mainly about the internet data provision of Korean institutes (UNEP/NOWPAP/DINRAC/FPM 4/10/3).

36. Dr. Alexander TKALIN expressed that the presentation of Dr. Sung-Dae KIM is another good example how to realize switchboard concept together with clearing-house mechanism for DINRAC. He commented the text in the presentation might be used in the DINRAC clearing-house mechanism and DINRAC switchboard which just clearly explains to users what can be found through the switchboard of DINRAC website.

Agenda item 4.5.4: Report on the status and activities of data and information management systems in 2004/2005 by Russia

37. Dr. Igor ROSTOV, Russian Focal Point, presented a report on the status and activities of data and information management in the Russian Federation in 2004/2005 biennium (UNEP/NOWPAP/DINRAC/FPM 4/10/4) in which he mainly introduced the progress report of Activity J in Russian Federation and implementation of related national programs, international cooperation, related issues and reports in field of data and information management, and new data and information products in 2004/2005 biennium.

**Agenda item 5: New Suggested future activities in 2005, 2006 and 2007**

38. Before the presentation of new suggested proposals, Dr. Alexander TKALIN made a brief presentation on the role of DINRAC which is mainly on provision of data and information on marine environment quality to guide the decisions on the subsequent proposals. In his presentation, DINRAC's functions are clearly defined to serve as a "switchboard" to direct users to available data and information on marine environment quality in the NOWPAP Members and to provide information generated by other NOWPAP activities mostly by RACs and Working Groups; the future development direction of DINRAC is also emphasized.

Agenda item 5.1: Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region (Activity K)

39. Ms. Liyuan LIU of DINRAC introduced the proposal for the compilation of national reports and regional report on coastal and marine biodiversity data and information in the NOWPAP region (UNEP/NOWPAP/DINRAC/FPM 4/11). She emphasized the importance and necessity

to compile national reports and regional report on marine biodiversity data and information and gave a draft implementation plan of the Activity K.

40. Mr. Jianguo WANG also explained that DINRAC had postponed this activity just for the decision-making of IGM on direction changes of RACs. Regarding to the specific implementation of Activity K, it was suggested to be considered further and later by the Focal Points of DINRAC after the decision of 10th IGM. In addition, it was clarified that the planned budget allocation of Activity K would be USD \$18,000, as suggested for 2004/2005 biennium.

Agenda item 5.2: Establishment of the Regional Internet Communication Systems between DINRAC and National Websites of NOWPAP Members (Activity L)

41. Dr. Nikolay RYKOV, the Russian Focal Point presented a proposal for the establishment of regional internet communication systems between DINRAC and National Websites of NOWPAP Members (UNEP/NOWPAP/DINRAC/FPM 4/12) with specific statements on objectives, tasks, project duration and budget allocation of Activity L.

42. Subsequently, Dr. Igor ROSTOV suggested to the Meeting the priorities should be given to all the proposed activities.

Agenda item 5.3: Establishment of the Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region (Activity M)

43. Dr. Haigen XU, the DINRAC expert made a presentation on the proposal of establishment of the meta-database of coastal and marine nature reserves in the NOWPAP region (UNEP/NOWPAP/DINRAC/FPM 4/13).

44. Dr. Hee-Dong JEONG suggested the metadata on the coastal and marine nature reserves in the NOWPAP region should be included into the meta-database.

Agenda item 5.4: Establishment of Coastal Wetland Databases and Information Service System Using RS and GIS in the NOWPAP Region (Activity N)

45. Dr. Xiangbin PEI, the Chinese Focal Point presented the proposal on the establishment of coastal wetland databases and information service system using RS and GIS in the NOWPAP Region (UNEP/NOWPAP/DINRAC/FPM 4/14).

46. Dr. Igor ROSTOV expressed the implementation of Activity N would be impossible in Russia because of insufficient information on coastal wetlands in NOWPAP region of Russia.

47. Mr. Jianguo WANG, the Director of DINRAC also made the explanations on the change of title of Activity N from original "Establishment of the Meta-database of National and Regional Coastal and Marine Chemical (contaminants and nutrients) Data and Information" into "Establishment of Coastal Wetland Databases and Information Service System Using RS and

GIS in the NOWPAP Region”.

48. After a lengthy discussion, the Meeting decided that the Activity N should be titled as the “Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment” and should be implemented in the next biennium.

Agenda item 5.5: Compilation and Publication of the Overview on National Legislation, Objectives, Strategies, Policies and Laws Associated with Marine Environment of NOWPAP Members (NOWPAP/2) (Activity O)

49. Regarding to the Activity O, the representative of RCU explained that it is the activity led by RCU with budget from RCU. The compilation and publication work was recommended to be finished by DINRAC by the First Intersessional Workshop on NOWPAP.

50. After a lengthy discussion, Mr. Chairman and the Meeting agreed that additional notes of pending on the decisions of the IGM should be made with the proposed activities in the DINRAC workplan and budget for the biennium of 2006/2007.

51. Mr. Jianguo WANG also suggested that the priorities should be given on the proposed activities and then the budget would be allocated depending on budget limitation.

**Agenda item 6: Identification of continuous work and budget in 2005**

52. The Director of DINRAC presented the proposed workplan and budget of the DINRAC activities in 2005 (UNEP/NOWPAP/DINRAC/FPM 4/15/1).

53. Dr. Alexander TKALIN reminded DINRAC the budget in 2004/2005 biennium should be settled in December 2005 according to the financial rules and procedures of UNEP.

54. The Meeting agreed to allocate a part of the DINRAC budget unspent in 2005 to the additional work of Activity I in 2005 which is USD \$16, 000 if the project progressed and its financial procedure of UNEP completed as schedule.

**Agenda item 7: Discussion on the proposed DINRAC workplan and budget for the 2006/2007 biennium**

55. The Director of DINRAC presented the draft workplan and budget for the DINRAC activities for the 2006/2007 biennium (UNEP/NOWPAP/DINRAC/FPM 4/15/2), which was made taking into account the decisions by the Ninth NOWPAP Intergovernmental Meeting and the recommendation by the First Intersessional Workshop of the NOWPAP. He requested the meeting to review the new suggested activities and budget for DINRAC for 2006/2007.

56. The Meeting had decided the priorities of proposed activities as following: 1) Activity L -- Establishment of the Regional Internet Communication Systems between DINRAC and

National Websites of NOWPAP Members; 2) Activity K -- Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region; 3) Activity I – Further Development of the NOWPAP DINRAC Meta-database; 4) Activity M -- Establishment of the Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region; 5) Activity N -- Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment. The proposals for the Activity I and Activity N should be well prepared before the next Focal Points Meeting.

57. Following the decisions of the meeting and discussions on the priorities and activities of DINRAC, the modified workplan and budget was presented by the Director of DINRAC. The Meeting agreed to make decisions on the budget allocation to the proposed projects after the 10th IGM. Activity L, K, I, M, N would be listed in the order of priority agreed by the Meeting in the DINRAC workplan and budget with notes of pending the availability of funds and decisions of 10th IGM.

58. Upon the suggestions of the Chairman, the Meeting agreed that the Expert Meeting to be held in 2007 should be cancelled and the budget for the Expert Meeting of \$22,000USD would be reallocated for the proposed activities in the 2006/2007 biennium. The modified DINRAC workplans and budget for the biennium of 2006/2007 presented in **Annex VI** would be submitted to the 10th IGM for final approval.

**Agenda item 8: Arrangement of intersessional work**

59. Following the suggestions of the Director of DINRAC, the Meeting agreed that the arrangement of intersessional work for the Activities L, K, I, M and N should be discussed in the Fifth NOWPAP DINRAC Focal Points Meeting after the decisions made by the 10th IGM.

**Agenda item 9: Preparations for the Fifth NOWPAP DINRAC Focal Points Meeting**

60. The Meeting agreed that exact venue and date of the Fifth NOWPAP DINRAC Focal Points Meeting will be determined by the communication among RCU, DINRAC and DINRAC Focal Points after the 10th IGM.

**Agenda item 10: Other matters**

61. No other issues were raised under this agenda item

**Agenda item 11: Adoption of the report of the meeting**

62. The draft report of the Fourth 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 12: Closure of the meeting**

63. After the customary exchange of courtesies the Chairman declared the Meeting closed at 17: 00 on Wednesday, 28 September 2005.

## **ANNEX CONTENTS**

<b>Annex I</b>	List of Participants to the Fourth NOWPAP DINRAC Focal Points Meeting
<b>Annex II</b>	List of Documents for the Fourth NOWPAP DINRAC Focal Points Meeting
<b>Annex III</b>	Agenda of the Fourth NOWPAP DINRAC Focal Points Meeting
<b>Annex IV</b>	NOWPAP DINRAC Activities Report for 2004/2005 Biennium
<b>Annex V</b>	Report on the Annual Expenditure of DINRAC Budget for the 2004/2005 Biennium
<b>Annex VI</b>	Workplan and Budget for the DINRAC Activities in the Biennium 2006/2007

## **Annex I**

### **List of Participants to the Fourth NOWPAP DINRAC Focal Points Meeting**



## **Annex I**

### **List of Participants to the Fourth NOWPAP DINRAC Focal Points Meeting**

(Dalian, the People's Republic of China, 27-28 September 2005)

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## **Annex II**

### **List of Documents for the Fourth NOWPAP DINRAC Focal Points Meeting**

## Annex II

### List of Documents for the Fourth NOWPAP DINRAC Focal Points Meeting

#### Working Documents

UNEP/NOWPAP/DINRAC/FPM 4/1	Provisional Agenda
UNEP/NOWPAP/DINRAC/FPM 4/2	Annotated Provisional Agenda
UNEP/NOWPAP/DINRAC/FPM 4/3	List of Documents
UNEP/NOWPAP/DINRAC/FPM 4/4	List of Participants
UNEP/NOWPAP/DINRAC/FPM 4/5	List of the Focal Points for NOWPAP DINRAC
UNEP/NOWPAP/DINRAC/FPM 4/6	Report on the Activities of DINRAC in the Biennium 2004/2005
UNEP/NOWPAP/DINRAC/FPM 4/7	Report on the Annual Expenditure of DINRAC Budget for the 2004/2005 Biennium
UNEP/NOWPAP/DINRAC/FPM 4/8/1	Report on the Framework for the Creation of NOWPAP DINRAC Meta-database
UNEP/NOWPAP/DINRAC/FPM 4/8/2	NOWPAP DINRAC Metadatabase System Software User Manual
UNEP/NOWPAP/DINRAC/FPM 4/9	Progress Report on the Activity on Existing GIS-type Products from within and outside of NOWPAP
UNEP/NOWPAP/DINRAC/FPM 4/10/1	Report of China on the Status and Activities of Data and Information Management System in 2004/2005 Biennium
UNEP/NOWPAP/DINRAC/FPM 4/10/2	Report of Japan on the Status and Activities of Data and Information Management System in 2004/2005 Biennium

UNEP/NOWPAP/DINRAC/FPM 4/10/3	Report of Korea on the Status and Activities of Data and Information Management System in 2004/2005 Biennium
UNEP/NOWPAP/DINRAC/FPM 4/10/4	Report of Russia on the Status and Activities of Data and Information Management System in 2004/2005 Biennium
UNEP/NOWPAP/DINRAC/FPM 4/11	Proposal for the Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 4/12	Proposal for the Establishment of Regional Internet Communication Systems between DINRAC and NOWPAP Members
UNEP/NOWPAP/DINRAC/FPM 4/13	Proposal for the Establishment of the Meta-database on Coastal and Marine Nature Reserves in the NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 4/14	Proposal for the Establishment of Coastal Wetland Databases and Information Service System Using RS and GIS in the NOWPAP Region
UNEP/NOWPAP/DINRAC/FPM 4/15/1	Workplan and Budget for the DINRAC activities in 2005
UNEP/NOWPAP/DINRAC/FPM 4/15/2	Workplan and Budget for the DINRAC activities for the 2006-2007 biennium
UNEP/NOWPAP/DINRAC/FPM 4/16	Arrangements for Intersessional Work

**Reference Documents**

UNEP/NOWPAP IS. 1/6	Report of the Intersessional Workshop 2005
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### **Annex III**

#### **Agenda of the Fourth NOWPAP DINRAC Focal Points Meeting**

## **Annex III**

### **Agenda of the Fourth NOWPAP DINRAC Focal Points Meeting**

1. Opening of the meeting
2. Organization of the meeting
  - 2.1. Election of the officers (Chairperson, Rapporteur)
  - 2.2. Adoption of the agenda
3. RCU presentation on NOWPAP implementation since the 9th IGM
4. Overview of the progress made in the intersessional period after the 3rd NOWPAP DINRAC Focal Points Meeting
  - 4.1. NOWPAP DINRAC Report of Activities in 2004/2005
  - 4.2. Report on the annual expenditure of DINRAC budget for the 2004/2005 biennium
  - 4.3. Progress report on the Framework for the Creation of NOWPAP DINRAC Meta-database (Activity I)
  - 4.4. Progress report on the Activity on Existing GIS type Products from within and outside of NOWPAP (Activity J)
  - 4.5. Reports on the status and activities of data and information management systems in 2004/2005 by NOWPAP Members
    - 4.5.1. The report on the status and activities of data and information management systems in 2004/05 - China
    - 4.5.2. The report on the status and activities of data and information management systems in 2004/05 - Japan
    - 4.5.3. The report on the status and activities of data and information management systems in 2004/05 - Korea
    - 4.5.4. The report on the status and activities of data and information management systems in 2004/05 - Russia
5. New suggested future activities in 2005, 2006 and 2007
  - 5.1. Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region (Activity K)
  - 5.2. Establishment of the Regional Internet Communication Systems between DINRAC and National websites of NOWPAP Members (Activity L)

- 5.3 Establishment of the Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region(Activity M)
- 5.4 Establishment of Coastal Wetland Databases and Information Service System Using RS and GIS in the NOWPAP Region (Activity N)
- 5.5 Compilation and Publication of the Overview on National Legislation, Objectives, Strategies, Policies and Laws Associated with Marine Environment of NOWPAP Members (NOWPAP/2) (Activity O)
6. Identification of continuous work and budget in 2005
7. The proposed DINRAC workplan and budget for 2006/2007
8. Arrangement of intersessional work
9. Venue and date of the Fifth NOWPAP DINRAC Focal Points Meeting
10. Other matters
11. Adoption of the meeting report
12. Closure of the meeting

**Annex IV**

**NOWPAP DINRAC Activities Report for the 2004/2005 Biennium**

## **Annex IV**

### **NOWPAP DINRAC Activities Report for 2004/2005 Biennium**

#### **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 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 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 is a division within the premises of Environmental Information Center of SEPA. Five 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 Eighth NOWPAP Intergovernmental Meeting on a total USD \$150,000 for the biennium 2004/5 for the DINRAC activities such as Focal Points Meeting, Experts Meeting, Specific Projects and others.

### **3. Major Activities of DINRAC in the Biennium 2004-2005**

#### **1) The Third NOWPAP DINRAC Focal Points Meeting:**

- The Third NOWPAP DINRAC Focal Points Meeting with the DINRAC Experts meeting took place in Busan, the Republic of Korea, from 26 to 28 October 2004, with kind support from UNEP.
- After a lengthy discussion, the meeting agreed in principle with the DINRAC important documents drafted by Japanese expert, Dr. Toru Suzuki on the "Establishment of the NOWPAP Policy on Data and Information Sharing" and on the "Establishment of Principles and Guidelines for NOWPAP Meta-database Management System" among the experts from 4 NOWPAP Members. Before its submission to the next Intergovernmental Meeting, the revision and adjustment should be finished.
- The draft Terms of Reference of DINRAC Experts Group Meetings integrated with the mechanism for implementation of the DINRAC activities by the leading countries was discussed and adopted by the Meeting. The leading country and its experts will be responsible for the implementation of DINRAC special activities.
- The new suggested DINRAC future activity of Framework for the creation of NOWPAP DINRAC Meta-database (Activity I) was agreed by the meeting and the Republic of Korea is the leading country to implement the Activity I.
- DINRAC is the leading institution to implement Activity on Existing GIS-type Products from within and outside of NOWPAP (Activity J).
- The meeting agreed to hold an Experts Group Meeting in China in the intersessional period after the Third NOWPAP DINRAC Focal Points Meeting. The meeting would focus on the project proposals made for DINRAC in the near future. But this meeting was cancelled since it was conflicted with the First Intersessional Workshop of NOWPAP on 25-26 July, 2005, Seoul, Republic of Korea.
- The report on the Activities of DINRAC in the Biennium 2003/2004, the workplan and budget for DINRAC in the biennium 2004/2005 were also discussed, revised and approved by the meeting. Then they were put forward for approval to the 9th NOWPAP IGM held in Busan, Republic of Korea, from 2 to 4 November 2004.

#### **2) Activity on Existing GIS-type Products from Within and Outside of NOWPAP (Activity J)**

In line with the agreement of the 3rd DINRAC Focal Points Meeting, DINRAC has developed an Outline of the National Report on Coastal and Marine Environmental GIS and RS Applications in the NOWPAP Region and the Questionnaire for Coastal and Marine Environmental GIS and RS Data Products in the NOWPAP Region for datasets, databases and meta-databases, maps, atlases and

multimedia products and other kinds of data products. The new formats for National Report and Questionnaires have also been distributed to DINRAC Focal Points of four members for their review. As a result, four National Reports on Coastal and Marine Environmental GIS and RS Applications in the NOWPAP Region had been drafted out respectively followed by the consistent new National Report Format. A database has also been established by DINRAC to collect the questionnaires from the Member countries and complete the data conversion. The collection, harmonization and compilation of the final National Reports will be finished before the 5th DINRAC FP Meeting.

### **3) Framework for the Creation of NOWPAP DINRAC Meta-database (Activity I)**

In line with the agreement of the 3rd DINRAC Focal Points Meeting, specific project on the Framework for the Creation of NOWPAP DINRAC Meta-database has been carried out in 2005 in order to have a practical step to provide the data products in the region. The Republic of Korea is the leading country to implement the Activity I. The following is the progress has achieved by now:

- the tasks on a Korean consultant have been cleared;
- information materials from several websites, such as GCMD(Global Change Master Directory)/NASA; MEDI(Marine Environmental Data and Information Catalogue)/IODE, NPEM(North Pacific Ecosystem Metadatabase)/NOAA, etc, have been collected;
- the functions, database schemes, related documents and comparison tables to be used in the system design works have been surveyed in detail;
- system design is in the completing step;
- a draft of the system design is finished;
- developing a prototype (pilot) system of the NOWPAP DINRAC meta-database with a software company has been discussed and agreed and
- A web-based NOWPAP DINRAC meta-database system is being developed to simulate with the DINRAC's operation environment and configuration on computer software.

### **4) Participation in the NOWPAP Intergovernmental Meetings, Intersessional Workshop and RACs FP Meetings:**

Mr. Jianguo Wang, the director of DINRAC attended the Ninth Intergovernmental Meeting held in Busan, Republic of Korea from 2 to 4 November 2004, the First Intersessional Workshop of NOWPAP held in Seoul, Republic of Korea from 25 to 26 July 2005 and the Eighth NOWPAP MERRAC Focal Points Meeting held in Daejeon, Republic of Korea from 24 to 27 May 2005. Ms. Tong An, the DINRAC Senior Consultant participated in the Third NOWPAP CEARAC Focal Points Meeting, held on 15-16 September 2005 in CEARAC (Toyama, Japan). Ms. Liyuan Liu attended the Third NOWPAP POMRAC Focal Points Meeting held on 13-14 October 2005 in POMRAC (Vladivostok, Russia).

#### **5) Publication of NOWPAP brochure:**

Under the supervision of RCU, the English-Chinese bilingual version of the NOWPAP brochure has been published in July 2005 and distributed to all persons who are directly concerned with NOWPAP Regional Seas Programme and marine environmental protection in the NOWPAP region.

#### **6) The meeting with NOWPAP Regional Coordinating Unit (RCU)**

A meeting was held in DINRAC with the participation of Dr. Alexander Tkalin, NOWPAP RCU Coordinator, Mr. Zhong Xiaodong, the Deputy Coordinator, and the DINRAC team members in the morning session on 23 June 2005. The ongoing and future activities of DINRAC were introduced and discussed in detail. RCU will keep close contact with DINRAC in order to better coordinate its activities and provide assistance whenever needed. RCU is facilitating the capacity building of DINRAC through training at the UNEP Regional Resource Centre for Asia and Pacific in Bangkok, Thailand.

#### **7) The First Intersessional Workshop of NOWPAP**

The First Intersessional Workshop of NOWPAP was held in Seoul, Republic of Korea, 25-26 July, 2005. The topics of New Direction of NOWPAP RCU and RACs, Marine Litter Initiative in the NOWPAP Region, Sustainable Contributions to the NOWPAP Trust Fund and Review of the NOWPAP/2 Project have been discussed. The recommendations for the topics mentioned above have been made by the meeting.

The new direction for DINRAC is described by the meeting document as:

The Data and Information Network Regional Activity Centre (DINRAC) in Beijing, China, 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 in addition to data resulting from other NOWPAP RACs activities (oil spills, HABs, atmospheric and river inputs of contaminants, etc.), biodiversity data could be also included into DINRAC database with further focus on biodiversity management. Contributions towards implementation of global biodiversity conventions (CBD, CITES, CMS, Ramsar, etc.) and joint work with MERRAC on marine invasive species are also suggested for future DINRAC activities.

The more detailed description of the four RACs' future activities, in consultation with Member States and each RAC will be provided for further discussion at the Tenth Intergovernmental Meeting to be held in Toyama, Japan on 24-25 November 2005.



**Annex V**

**Report on the Annual Expenditure of DINRAC Budget  
for the 2004/2005 Biennium**

## Annex V

### Report on the Annual Expenditure of DINRAC Budget for the 2004/2005 Biennium

1. The proposed workplan and budget for entire DINRAC activities for the 2004/05 biennium agreed by the 2nd NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRA/FPM 2/15) were forwarded to the Eighth Intergovernmental Meeting (Sanya, China, 5-7 November 2003) for its approval. The Eight IGM decided to allocate USD \$150,000 for DINRAC Activities and each NOWPAP RAC for the biennium 2004/2005, due to limited resources available to the whole NOWPAP Programm (UNEP(DEC)/NOWPAP/IG 8/11 Resolution 1).
2. The 3rd NOWPAP DINRAC Focal Points Meeting (Busan, Republic of Korea, 26-28 October 2004) revised workplan and budget for the 2004/2005 biennium for DINRAC activities (UNEP/NOWPAP/DINRA/FPM 3/18), as shown in Table 1.

**Table 1.** Workplan, budget and timetable for the DINRAC activities in biennium 2004/2005, adopted by the 3rd NOWPAP DINRAC Focal Points Meeting (Busan, Republic of Korea, 26-28 October 2004)

Unit: USD\$

Activities	Actions	Tentative Time	Budget (in USD)	
			In 2004	In 2005
<u>Activity B:</u> Update, Maintenance and Enrichment of DINRAC website (continue)	1. DB of Marine Experts and Institutions; 2. Meeting Reports; 3. Regional Seas 4. etc.		5,000	4,000
<u>Activity F:</u> Organization of DINRAC Experts Meeting/workshop	Expert meeting/workshop on evaluation of DINRAC current activities and proposal for the future activities	Mid 2005		28,000
<u>Activity G:</u> Organization of FPM	Organization of the 3rd Focal Points Meeting	October, 2004	28,000	
	Organization of the 4th Focal Points Meeting	Autumn 2005		22,000
<u>Activity H:</u> Cooperation, Communication of DINRAC activities	Coordination, travel, meetings, communication, publications of DINRAC activities		8,000	8,000
<u>Activity I:</u> Framework for the Creation of NOWPAP DINRAC Meta-database	Framework establishment, System development	September, 2005		17,000

<u>Activity J:</u> Activity on existing GIS-type products from within and outside of NOWPAP	1. Activity on existing GIS-type products to be applied for NOWPAP programmes 2. A proposal for creation of GIS-type products in the network system under DINRAC	November 2005	8,000	4,000
<u>Activity K*:</u> The compilation of a 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	September, 2005		18,000
<b>Sub-total</b>			<b>49,000</b>	<b>101,000</b>
<b>Total</b>			<b>150,000</b>	

3. The FPM agreed in principle on these activities however with the understanding that the revised workplan and budget for DINRAC would be presented to the 9th IGM (Busan, Republic of Korea, November 2-4 2004) and final approval would be made based upon the decision of the 9th IGM. The 9th IGM, in Resolution 1, decided to postpone a decision on DINRAC Activity K until the Intersessional Workshop of NOWPAP held on July 25-26, 2005 in Seoul, the Republic of Korea.
4. In order to implement the funded activities, UNEP and DINRAC developed a Project Document in March 2004, under which encompass all the funded activities of DINRAC (as shown in Table 2).

**Table 2** DINRAC Budget in the biennium of 2004/2005 from Trust fund of NOWPAP

Unit: USD\$

	2004 (in US \$)	2005 (in US \$)	Total (in US \$)
<b>10 PROJECT PERSONNEL COMPONENT</b>			
<u>1100 Professional staff</u>			
1101 DINRAC Director (funded by SEPA)	--	--	--
<u>1200 Consultants</u>			
1201 Draft of the General NOWPAP Guideline on Data and Information Sharing	9,000	0	9,000
1299 Sub total	9,000	0	9,000
<u>1600 Travel</u>			
1601 Travel on official business	3,000	3,000	6,000
1699 Sub total:	3,000	3,000	6,000
<b>1999 Component total:</b>	<b>12,000</b>	<b>3,000</b>	<b>15,000</b>
<b>20 SUB-CONTRACTS COMPONENT</b>			
<u>2100 DINRAC Website</u>			
2101 Update, Maintenance and Enrichment of DINRAC Website	5,000	4,000	9,000
2199 Sub total	5,000	4,000	9,000
<u>2200 Products Studies</u>			

2201 Activity on Existing GIS-type Products from Within and Outside of NOWPAP	10,000	0	10,000
2299 Sub total	10,000	0	10,000
<u>2300 Information and Publication Exchanging</u>			
2301 Exchange of Detailed Information and Publication of a Regional Overview	0	18,000	18,000
2399 Sub total	0	18,000	18,000
<u>2400 Meta-database Framework</u>			
2401 Framework for the Creation of NOWPAP DINRAC Meta-database		10,000	
2499 Sub total	0	10,000	10,000
<b>2999 Component total:</b>	<b>15,000</b>	<b>32,000</b>	<b>47,000</b>
<b>30 TRAINING COMPONENT</b>			
<u>3200 Experts Meeting</u>			
3201 Experts Meetings on Data Sharing, Meta-database Management and GIS-type product	14,000	14,000	28,000
3299 Sub total:	14,000	14,000	28,000
<u>3300 Meetings/conferences</u>			
3301 National Focal Points Meeting	25,000	25,000	50,000
3399 Sub total:	25,000	25,000	50,000
<b>3999 Component total</b>	<b>39,000</b>	<b>39,000</b>	<b>78,000</b>
<b>40 EQUIPMENT COMPONENT</b>			
4999 Component total	0	0	0
<b>50 MISCELLANOUS COMPONENT</b>			
<u>5200 Reporting cost</u>			
5201 Publications	2,000	2,000	4,000
5299 Sub total:	2,000	2,000	4,000
<u>5300 Sundry</u>			
5301 Communications	2,000	2,000	4,000
5304 Other	1,000	1,000	2,000
5399 Sub total:	3,000	3,000	6,000
<b>5999 Component total</b>	<b>5,000</b>	<b>5,000</b>	<b>10,000</b>
<b>99 GRAND TOTAL</b>	<b>71,000</b>	<b>79,000</b>	<b>150,000</b>

5. Under the Project Document, in line with the agreement of the 3rd NOWPAP DINRAC Focal Points Meeting, the expenditure of the 2004/2005 biennium has been rearranged as shown in Table 3.

**Table 3** DINRAC expenditures incurred in the biennium 2004/05  
(up to 30 June, 2005)

**Unit: USD\$**

	As approved in the original document	2004 Expenditure	2005 Expenditure
<b>10 PROJECT PERSONNEL COMPONENT</b>			
<u>1100 Professional staff</u>			
1101 DINRAC Director and staff (funded by SEPA)	0	0	

	<u>1200 Consultants</u>			
	1201 Draft of the General NOWPAP Guideline on Data and Information Sharing	9,000	0	0
	1299 Sub Total	9,000	0	0
	<u>1600 Travel</u>			
	1601 Travel on official business	6,000	2,844	0
	1699 Sub total:	6,000	2,844	0
	<b>1999 Component total:</b>	<b>15,000</b>	<b>2,844</b>	<b>0</b>
20	<b><u>SUB-CONTRACTS COMPONENT</u></b>			
	<u>2100 DINRAC Website</u>			
	2101 Update, Maintenance and Enrichment of DINRAC Website	9,000	5,000	4,000
	2199 Sub total:	9,000	5,000	4,000
	<u>2200 Products Studies</u>			
	2201 Activity on Existing GIS-type Products from Within and Outside of NOWPAP	10,000	0	12,000
	2299 Sub total	10,000	0	12,000
	<u>2300 Information and Publication Exchanging</u>			
	2301 Exchange of Detailed Information and Publication of a Regional Overview	18,000	0	0
	2399 Sub total	18,000	0	0
	<u>2400 Meta-database Framework</u>			
	2401 Framework for the Creation of NOWPAP DINRAC Meta-database	10,000	0	10,000
	2499 Sub total	10,000		10,000
	<b>2999 Component total:</b>	<b>47,000</b>	<b>5,000</b>	<b>26,000</b>
30	<b><u>TRAINING COMPONENT</u></b>			
	<u>3200 Experts Meeting</u>			
	3201 Experts Meetings on Data Sharing, Meta-database Management and GIS-type Product	28,000	0	0
	3299 Sub Total	28,000	0	0
	<u>3300 Meetings/conferences</u>			
	3301 National Focal Points Meetings	50,000	27,989	0
	3399 Sub Total	50,000	27,989	0

	<b>3999 Component total:</b>	<b>78,000</b>	<b>27,989</b>	<b>0</b>
40	<b><u>EQUIPMENT COMPONENT</u></b>			
	<b>4999 Component total:</b>	<b>0</b>	<b>0</b>	
50	<b><u>MISCELLANEOUS COMPONENT</u></b>			
	<u>5200 Reporting cost</u>			
	5201 Publications	4,000	1,950	0
	5299 Sub total:	4,000	1,950	0
	<u>5300 Sundry</u>		0	
	5301 Communications	4,000	2,206	0
	5304 Other	2,000	1,108	0
	5399 Sub total:	6,000	3,314	0
	<b>5999 Component total:</b>	<b>10,000</b>	<b>5,264</b>	<b>0</b>
99	<b>GRAND TOTAL</b>	<b>150,000</b>	<b>41,097</b>	<b>26,000</b>

6. Table 3 shows the summary of the DINRAC budget and expenditure incurred from 1 April 2004 up to 30 June, 2005. Details of project expenditures have been reported to UNEP, in line with the relevant regulation of above-mentioned Project Document of UNEP, as at 24 August, 2004 and 30 June, 2005.
7. Mr. Jorge Flores, the PMO of Budget and Financial Management Service of UNEP transferred NOWPAP Trust Fund \$50,000 and \$50,000 in September, 2004 and July, 2005 to DINRAC account respectively.
8. The total cumulative expenditures incurred from 1 April 2004 to 30 June 2005 is USD \$67097. The unspent balance for the project (PN/6030-02-09) is US \$82,903.

**Annex VI**

**Workplan and Budget for the DINRAC Activities  
in the Biennium 2006/2007**

## **Annex VI**

### **Workplan and Budget for DINRAC Activities in the Biennium 2006/2007**

- I. Review of the activities and budget for the 2002/2003 biennium
  1. The Seventh IGM (Vladivostok, Russian Federation, 20-22 March 2002) agreed the workplan and budget of entire NOWPAP for the 2002/2003 biennium including the budget of US\$ 125,000 for the DINRAC activities (UNEP(DEC)/NOWPAP/IG.7/10). Based on the decision by the 7th IGM, the First DINRAC Focal Points Meeting (Shanghai, China, 25-28 November 2002) adopted the revised workplan and budget for the 2002/2003 biennium for DINRAC activities (Annex III of UNEP/NOWPAP/DINRAC/FPM 1/13).
  2. The First DINRAC Focal Points Meeting was held in November of 2002 in Shanghai, China. Also, two specific projects coordinated by four NOWPAP Members and DINRAC have been carried out by the Focal Points of the NOWPAP Members and DINRAC in 2003. In order to carry out the designated projects and activities, total US\$87,797 has been spent in 2002 and 2003. Also, all the proposed activities of DINRAC for the 2002/2003 Biennium were completed by the end of September of 2004.
  3. Regarding the detailed expenditures for the 2002/2003 biennium is reported at UNEP/NOWPAP/DINRAC/FPM 3/7.
  4. The agreed activities identified in the workplan and budget of DINRAC during the 2002/2003 biennium (ANNEX III of UNEP/NOWPAP/DINRAC/FPM 1/13) have been completed except the expert meeting planned to be held in April of 2003. The reason is that threatened by the outbreak of SARS virus.
  5. As the 2002/2003 Biennium was completed, the 2nd DINRAC Focal Points Meeting agreed with the activities and budget of DINRAC for the next biennium 2004/2005, prior to the Eighth Intergovernmental Meeting organized in November, 2003.
  6. The workplan and budget of DINRAC for the 2004/2005 biennium has been agreed on the allocation of US \$150,000 by the 2nd DINRAC Focal Points Meeting.
  7. The workplan and budget of DINRAC for the 2004/2005 biennium has been approved on the allocation of US \$150,000 by the Eighth Intergovernmental Meeting (Sanya, China, 5-7 November 2003).



## II. Review of the activities for the 2004/2005 biennium

8. Based upon decision by the Eighth IGM, revised workplan and budget for the biennium 2004/2005 (Annex VII of UNEP/NOWPAP/DINRAC/FPM 3/18) agreed by the Third DINRAC Focal Points Meeting (Busan, Republic of Korea, 26-28 October 2004) were approved by the Ninth IGM (Busan, Republic of Korea, 2-4 November 2004) as shown in Table 1.

**Table 1.** Workplan, budget and timetable for the DINRAC activities in biennium 2004/2005

Activities	Actions	Tentative Time	Budget (in USD)	
			In 2004	In 2005
<u>Activity B:</u> Update, Maintenance and Enrichment of DINRAC website (continue)	1. DB of Marine Experts and Institutions; 2. Meeting Reports; 3. Regional Seas 4. etc.		5,000	4,000
<u>Activity F:</u> Organization of DINRAC Experts Meeting/workshop	Expert meeting/workshop on evaluation of DINRAC current activities and proposal for the future activities	Mid 2005		28,000
<u>Activity G:</u> Organization of FPM	Organization of the 3rd Focal Points Meeting	October, 2004	28,000	
	Organization of the 4th Focal Points Meeting	Autumn 2005		22,000
<u>Activity H:</u> Cooperation, Communication of DINRAC activities	Coordination, travel, meetings, communication, publications of DINRAC activities		8,000	8,000
<u>Activity I:</u> Framework for the Creation of NOWPAP DINRAC Meta-database	Framework establishment, System development	September, 2005		17,000
<u>Activity J:</u> Activity on existing GIS-type products from within and outside of NOWPAP	1. Activity on existing GIS-type products to be applied for NOWPAP programmes 2. A proposal for creation of GIS-type products in the network system under DINRAC	November 2005	8,000	4,000
<u>Activity K*:</u> The compilation of a 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	September, 2005		18,000
<b>Sub-total</b>			<b>49,000</b>	<b>101,000</b>
<b>Total</b>			<b>150,000</b>	

The Ninth IGM, in Resolution 1, decided to postpone a decision on DINRAC Activity K until the Intersessional Workshop on NOWPAP in 2005, to be held before the 10th IGM.

9. According to the proposed workplan, the Third DINRAC FPM was held in Busan, Republic of Korea, 26 – 28 October 2004 and the Fourth DINRAC FPM would be held in Dalian, China, 27-28 September 2005.
10. DINRAC and NOWPAP Member Countries have carried out 2 Specific Activities in 2005, **Framework for the Creation of NOWPAP DINRAC Meta-database (Activity I) and Activity on existing GIS-type products from within and outside of NOWPAP (Activity J)**.
11. In order to carry out the designated activities, total US\$ 41,097 has been spent in 2004.
12. Regarding to the detailed expenditures for the biennium 2004/2005, it was reported at agenda item 4 of the Fourth NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 4/7).
13. It is also anticipated that all the proposed activities of DINRAC for the biennium 2004/2005 will be completed by the end of March of 2006, and that most of the budget of DINRAC activities for the biennium 2004/2005 will also be spent by the end of March of 2006. Identification of continuous work and budget in 2005 was reported at agenda item 6 of the Fourth NOWPAP DINRAC Focal Points Meeting (UNEP/NOWPAP/DINRAC/FPM 4/15-1).
14. As the biennium 2004/2005 is completed, the Fourth DINRAC Focal Points Meeting is kindly requested to prepare a proposal of the workplan, budget and timetable for the activities of DINRAC for the biennium 2006/2007, prior to the Tenth Intergovernmental Meeting to be held in Toyama, Japan 24-25 November 2005.

### III. Proposed activities for the biennium 2006/2007

15. Activity B: Update, Maintenance and Enrichment of DINRAC website (continue)  
The DINRAC Website will be continuously updated, maintained and enriched in the 2006/2007 biennium. The new functions such as Clearing-House, Switchboard and Meta-database management would be created on the website. 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.  
*Budget:*  
*Contract with one company for the maintenance of the website: USD \$5,000 in the biennium 2006/2007.*
16. Activity G: Organization of Focal Points Meetings  
The Fifth and Sixth DINRAC Focal Points Meetings (two days) will be annually held in March or May of 2006 and 2007 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 DINRAC Focal Points interested are the major tasks DINRAC Focal Points Meeting carries out. The venue of the Fifth and Sixth DINRAC Focal Points Meetings will be in China, unless other members request to host the meeting.

*Budget:*

*Convening of the Fifth Focal Points Meeting: USD\$25,000 and Sixth Focal Points*

*Meeting: US \$25,000 (two Focal Points and one expert from each of NOWPAP Member)*

17. *Activity H: Cooperation, Communication of DINRAC activities*

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

In order to gather the data resulting from other NOWPAP RACs activities (oil spills, HABs, atmospheric and river inputs of contaminants, etc.) and meet specific requirements on data and information management arising from the other NOWPAP activities such as CEARAC and POMRAC on monitoring programme, and MERRAC on marine pollution preparedness and response, DINRAC will maintain contacts with other RACs to facilitate data and information exchange among the NOWPAP programmes.

DINRAC will also maintain contacts with other programmes such as IODE and NEAR-GOOS, 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.*

18. *Activity I: Further Development of the NOWPAP DINRAC Meta-database*

The overall objective of this activity is to establish and develop framework for creation of NOWPAP DINRAC meta-database system as the basic of a comprehensive environmental database and information management system for the NOWPAP region.

A sum of US\$17,000 for the costs of the implementation of the activity I, based upon the decision by the Third DINRAC Focal Point Meeting, has been allocated. The first USD \$10,000 has been transferred to Korean Focal Point after the signature of the MoU of Activity I on May 10, 2005. The second USD \$7,000 will be transferred after the reports approved by the Intergovernmental Meeting on the NOWPAP.

*The Korean consultant identified that the activity fund is not enough now. The meeting is kindly invited to consider the fund increase appending to the activity.*

19. *Activity L: Establishment of Regional Internet Communication Systems between DINRAC and National Website of NOWPAP Members*

It is strongly proposed by NOWPAP RCU and Russian Focal Point 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 2005 in order to establish formal linkages among relevant agencies/institutions in the NOWPAP Members, DINRAC and other RACs and strengthen cooperation between parties. A 'switchboard' to provide links to resources will be available in NOWPAP Member Countries.

Expected outcomes from this activity are as:

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

*The budget will be determined by the Fifth DINRAC Focal Points Meeting after the approval of the 10th NOWPAP IGM.*

20. Activity M: Establishment of the Meta-database on Coastal and Marine Nature Reserves in the NOWPAP Region

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

The establishment of a meta-database on marine and coastal nature reserves in the NOWPAP region will give a review and understanding on the current situation and development of nature reserves, including the location, name, level, type, area, nature condition, social and economical situation, management, marine protected species, 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 budget will be determined by the Fifth DINRAC Focal Points Meeting after the approval of the 10th NOWPAP IGM.*

21. Activity N: Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment

*The budget will be determined by the Fifth DINRAC Focal Points Meeting after the approval of the 10th NOWPAP IGM.*

22. The proposed workplan, budget and timetable for the activities of DINRAC for the biennium 2006/07 are as follows:

Activities	Actions	Tentative Time	Budget (in USD)	
			In 2006	In 2007

<b>Activity B:</b> Update, Maintenance and Enrichment of DINRAC website (continue)	Clearing-House, Switchboard and Meta-database DB of Marine Experts and Institutions; Meeting Reports; Regional Seas etc.		2,500	2,500
<b>Activity G:</b> Organization of FPM	Organization of the 5th Focal Points Meeting	March or May 2006	25,000	
	Organization of the 6th Focal Points Meeting	2007		25,000
<b>Activity H:</b> Cooperation, Communication of DINRAC activities	Coordination, travel, meetings, communication, publications of DINRAC activities		8,000	8,000
<b>Activity L:</b> Establishment of the Regional Internet Communication Systems between DINRAC and National Websites of NOWPAP Members <b>Activity K:</b> Compilation of the National Reports and Regional Report on Coastal and Marine Biodiversity Data and Information in the NOWPAP Region <b>Activity I:</b> Further Development of the NOWPAP DINRAC Meta-database <b>Activity M:</b> Establishment of the Meta-database of Coastal and Marine Nature Reserves in the NOWPAP Region <b>Activity N:</b> Establishment of the Meta-database on Contaminants and Nutrients in the Coastal and Marine Environment <b>Activity O:</b> Compilation and Publication of the Overview on National Legislation, Objectives, Strategies, Policies and Laws Associated with Marine Environment of NOWPAP Members (NOWPAP/2)		Jan. 2006 ~ Dec. 2007	79,000	
<b>Sub-total</b>			<b>82,500</b>	<b>67,500</b>
<b>Total</b>			<b>150,000</b>	

Note: \* in order of priority, pending availability of funds.