

## **Annex VI**

### **Draft workplan and budget of CEARAC activities for the 2008-2009 biennium and recommendation to the 12<sup>th</sup> NOWPAP IGM**

#### **1. Introduction**

1.1 The 10<sup>th</sup> Intergovernmental Meeting (IGM) (Toyama, Japan, 24-26 November, 2005) agreed on the workplan and budget of entire NOWPAP for the 2004-2005 biennium including the budget of US\$150,000 for the CEARAC activities (UNEP/NOWPAP/IG.10/8). The meeting also agreed on the budget for a new project, "Marine Litter Activities (MALITA)" as NOWPAP RCU proposed. Total budget of MALITA was US\$70,000, and out of this amount, US\$19,500 was allocated to CEARAC for a CEARAC's new activity: land-based marine litter. In all, the total amount of CEARAC budget for the 2006-2007 biennium resulted in US\$169,500.

1.2 Based on the decision of the 10<sup>th</sup> IGM, workplan and budget of CEARAC for the 2006-2007 biennium was reported and approved at the 4<sup>th</sup> CEARAC FPM (Toyama, Japan, 8-9 March 2006). CEARAC has implemented the specific activities together with the four NOWPAP Member States including CEARAC Focal Points and experts of NOWPAP Working Group 3 (WG3) and Working Group 4 (WG4). In order to carry out the designated projects and activities, a total amount of US\$169,500 has been spent in 2006 and 2007.

1.3 The detailed activities and expenditures for the 2006-2007 biennium are reported in agenda item 5 (UNEP/NOWPAP/CEARAC/FPM 5/5).

1.4 Upon the ending of the 2006-2007 biennium, the 5<sup>th</sup> CEARAC FPM is kindly requested to review and approve a proposal for the activities and budget of CEARAC for the next biennium, 2008 and 2009.

## **2. Proposal for activities for the 2008-2009 Biennium**

### **2.1 Organization of the 6<sup>th</sup> and 7<sup>th</sup> CEARAC Focal Points Meetings**

The Sixth and Seventh CEARAC Focal Points Meetings will be held in Toyama, Japan in March 2008 and September 2009 respectively in order to carry out its designated goals and purposes, which are described in the Terms of Reference (TOR) for the CEARAC Focal Points Meeting.

The Sixth CEARAC Focal Points Meeting will discuss the finalized budget of CEARAC for the 2008-2009 biennium after the 12<sup>th</sup> IGM and review the progress in implementation of CEARAC activities including the intersessional activities of NOWPAP WG3 (HAB) and WG4 (RS).

The Seventh CEARAC Focal Points Meeting will also review and approve the progress in implementation of the workplan and budget for the 2008-2009 biennium. Other matters related to the special monitoring and coastal environmental assessment and so on may be discussed on recommendation from the CEARAC Focal Points. During the meeting, the frame of workplan for CEARAC for the 2010-2011 biennium will be expected to be presented by the CEARAC Secretariat.

### **2.2 Organization of the 4<sup>th</sup> WG3 (HAB) and WG4(RS) Meetings**

The Fourth NOWPAP WG3 (HAB) and WG4 (RS) Meetings will be planned to be held simultaneously in Toyama in summer 2008 to exchange information each other in an effective manner because the activities of WG3 (HAB) and WG4 (RS) are closely related.

The meeting will review the outcomes of the intersessional work of WG3 and WG4 adopted at the 6<sup>th</sup> FPM. Furthermore, the meeting will discuss the detailed workplan for the 2008-2009 biennium.

### **2.3 Specific Projects -CEARAC Projects- (tentative)**

CEARAC will continue to work for implementing activities designated by NOWPAP WG3 (HAB) and WG4 (RS) in cooperation with CEARAC Focal Points, experts of WGs and related regional and international organizations. Especially CEARAC will emphasize implementation of HAB case studies and development of HAB Integrated Website as the intersessional work of WG3 and development of educational materials for utilization of remote sensing data for coastal environment conservation, organization of the second training course on remote sensing data analysis as the intersessional work of WG4. Besides respective work of each working group, procedures for assessment of eutrophication status including

evaluation of land based sources of nutrients for the NOWPAP Region will be developed as a joint activity of WG3 and WG4.

#### 2.3.1 Implementation of HAB Case Studies

CEARAC plans to implement case studies in HAB hot regions to establish the most effective and laborsaving way for sharing information on HAB occurrence and oceanographic and meteorological conditions and to summarize common concerned items in the hot regions in reports.

In 2008, CEARAC will select several HAB hot regions in the NOWPAP Region, where HAB monitoring has already been implemented. Experts will implement case studies there based on the approved implementation plan. By the end of 2008, outcomes of the HAB Case studies are summarized as a report for each hot region. In 2009, these reports will be updated by collecting latest information and hot region database will be established for the purpose of sharing information among the NOWPAP member states and other regional seas and international organizations.

#### 2.3.2 Development of HAB Integrated Website

CEARAC plans to develop a website to provide and share information on HAB occurrences, countermeasures, oceanographic conditions and HAB-related issues in order to enhance activities against HAB in the NOWPAP region.

In 2008, CEARAC will prepare a draft outline of the website. Based on review of the draft outline by WG3 experts and Focal Points, CEARAC will coordinate development of this website with other international organization such as PICES in 2008.

After that, CEARAC will develop HAB Integrated Website with the rules for data updating. After test operation and enhancement of database, the website will start its operation officially by the end of 2009.

#### 2.3.3 Development of educational materials for utilization of remote sensing data for coastal environment conservation

CEARAC plans to develop educational materials for utilization of remote sensing data for marine environment conservation for students, young researchers and coastal managers in the NOWPAP Region.

The materials consist of guidance on acquisition, analysis and assessment of remote sensing data for the marine environment depending on the purpose of data use. The educational materials will be constructed based on materials and lectures in the First

NEAR-GOOS - NOWPAP Joint Training Course for Remote Sensing Data Analysis and other existing educational materials.

Experts will develop the educational materials based on the workplan approved by FP. The materials will be disclosed on the internet for wider dissemination.

#### 2.3.4 Organization of the second NOWPAP training course on remote sensing data analysis

Based on the experiences of the First NEAR-GOOS - NOWPAP Training Course on Remote Sensing Data Analysis, CEARAC plans to conduct the second NOWPAP training course on remote sensing data analysis for students, young researchers and coastal managers to obtain useful skills and knowledge to utilize remote sensing data in monitoring and assessment of marine environment.

#### 2.3.5 Development of procedures for assessment of eutrophication status including evaluation of land based sources of nutrients for the NOWPAP Region

CEARAC plans to develop useful procedures by utilizing remote sensing techniques for assessment of eutrophication status that can be shared among the NOWPAP member states, based on lessons learned from a pilot study conducted in Toyama Bay by NPEC, the hosting body of CEARAC, as a joint activity between NOWPAP WG3 and WG4.

Experts will review and refine the draft procedures prepared by CEARAC based on the workplan approved by FP. The result of the review and refinement work will be harmonized and compiled into the common procedures for assessment of eutrophication status for the NOWPAP region by a consultant hired by CEARAC.

The developed procedures for assessment of eutrophication status will be used to conduct a case study in each NOWPAP member state in the near future.

#### 2.4 Intersessional Work

CEARAC will conduct activities other than above mentioned Specific Projects – CEARAC Projects (2.3) with close consultations with Focal Points and WG members.

#### 2.5 Cooperation, coordination of CEARAC activities throughout the 2008-2009 biennium

CEARAC will keep close contact with NOWPAP RCU, other RACs, UNEP and relevant regional and international organizations such as IOC/WESTPAC in order to promote development of Regional Seas Programme and implementation and development of NOWPAP.

## 2.6 Publication of the CEARAC Newsletter

The Fifth and Sixth issues of CEARAC Newsletter will be published in autumn 2008 and 2009 respectively. 500 copies will be printed each time and will be distributed to people who are concerned with CEARAC activities and special monitoring and coastal environmental assessment.

## 3. Additional Workplan

CEARAC has implemented some activities for marine litter issues designated by the 10th IGM of NOWPAP.

In the next biennium, CEARAC will continue to make efforts to solve marine litter problems under NOWPAP Regional Action Plan on Marine Litter (RAP MALI), which will be approved at 12th IGM of NOWPAP.

#### 4. Proposal for new activities for the 2008-2009 biennium

Estimated budget for the 2008-2009 biennium is US\$150,000. The proposed workplan, budget and timetable are shown in Table 1

**Table 1 Workplan and Budget of CEARAC for the 2008-2009 biennium**

Activity	Planned Budget (US\$)			Tentative Time
	2008	2009	Total	
Organization of CEARAC Focal Points Meeting	23,000	23,000	46,000	6 <sup>th</sup> FPM Mar. 2008 7 <sup>th</sup> FPM Sep. 2009
Organization of WG3 (HAB) and WG4 (RS) Meetings	36,000	-	36,000	Summer 2008
Specific project (tentative) WG3(HAB) -HAB case studies -development of HAB Integrated Website WG4(RS) -development of educational materials for utilization of RS data for coastal environment - second NOWPAP training course on RS data analysis WG3 and WG4(joint) - development of procedures for assessment of eutrophication status including evaluation of land based sources of nutrients. Others *		50,000	50,000	
Intersessional work	3,000	3,000	6,000	
Cooperation, coordination of CEARAC activities	4,000	4,000	8,000	
Publication of CEARAC Newsletter	2,000	2,000	4,000	Autumn 2008 and 2009
<b>TOTAL</b>			<b>150,000</b>	

Note

\*Others (pending approval by the 12th NOWPAP IGM and availability of funds) might include marine litter related issues, land based sources of pollution and so on.