

1. Background

In the 2004-2005 biennium, WG3/CEARAC compiled “the National Reports” and “the Integrated Report” that introduce current situation on harmful algal blooms (HABs) in each country of the NOWPAP Member States. Based on these reports, CEARAC summarized published papers on HABs in the NOWPAP region in “HAB Reference Database”, and CEARAC established *Cochlodinium* website and published a *Cochlodinium* pamphlet for sharing information on *Cochlodinium* that is one of the concerned species in the NOWPAP region.

Also, some international organizations established several HAB-related databases in the NOWPAP region; therefore, the needs to cooperate with other international organizations and to establish a common understanding through the development of a database and information network are pointed in the Integrated Report.

Based on these needs, CEARAC proposed to develop HAB Integrated Website for promoting not only end-of-pipe countermeasures but also front-of-pipe countermeasures by local agencies and research and development by researchers, and cooperative work with other international organizations in the 2008-2009 biennium at the 5th CEARAC FPM and it was approved at the 12th NOWPAP IGM.

2. Objective

Objective of this activity is to develop HAB Integrated Website to provide and share information on HAB occurrences, countermeasures, oceanographic condition and HAB-related issues in order to enhance activities against HABs in the NOWPAP region.

3. Main tasks

Upon approval of the workplan at the 6th CEARAC FPM, CEARAC will prepare a draft outline of the website, which includes contents and methods for collecting information of the website. Image of this website is attached in Annex 1. Based on review of the draft outline of the website by WG3 experts and Focal Points, CEARAC will coordinate developing website with other international organization such as PICES in 2008. After that, CEARAC will develop HAB Integrated Website with the rule for updating data by contribution of experts. FPs and WG3 experts will be requested to review and make comments to the progress of the establishment of integrated website.

Information collected by HAB Case Studies will be added to this website as the database along with this test operation. After test operation and enhancement of the databases, this website will start its operation officially by the end of 2009.

4. Expected outcome

This website can provide useful information to support actions against HABs in the NOWPAP Member States as integrated data center fully coordinated. While this website contributes to exchange information and share information with other regional seas and international organizations.

5. Schedule

Schedule of this activity and main body are as follows:

Time		Actions	Main body
2008	Mar. (The 6 th CEARAC FPM)	Approval of workplan and budget	CEARAC and FPs
	Q1 – Q2	Preparation of draft outline of website	CEARAC and Consultant
	Sep. (The 4 th WG3/WG4 Meeting)	Review of draft outline of website	WG3/WG4 experts
	Oct.	Coordination with other databases by international organizations	CEARAC
2009	Q1	Development of HAB Integrated Website	CEARAC and Consultant
		Preparation of draft rule for updating data	CEARAC and Consultant
		Review of draft rule for updating data	FPs and WG3 experts
	Q2	Test operation of the website	CEARAC and Consultant
	Q2	Updating data	CEARAC and experts and Consultant
	Q4	Starting official operation	CEARAC and Consultant

6. Budget

Contract	Timing	Output	To be completed	Counterpart	Budget
MoU for development of HAB Integrated Website	2008 Q2	<ul style="list-style-type: none"> - HAB Integrated Website - Rule for updating data - Test operation - Adding data of the HAB case studies - Enhancement of the databases 	2009 end of Q4	Consultant	US\$10,000
Total					US\$10,000

Annex: Image of HAB Integrated Website

