

Annex IX

Proposal for development of educational materials for utilization of remote sensing data for marine environment conservation

1. Background

The National Reports on Ocean Remote Sensing in the NOWPAP Region and the Integrated Report on Ocean Remote Sensing for the NOWPAP Region were published in 2005 and they provided comprehensive understanding on the status of remote sensing of the Northwest Pacific Region.

Based on suggested activities and recommendation made in these reports, remote sensing information network such as Ocean Remote Sensing Portal Site, Web Site on Oil spill Monitoring were further developed to provide useful information on remote sensing for the NOWPAP Region. In 2007, Eutrophication Monitoring Guidelines by Remote Sensing for the NOWPAP Region were made targeting coastal managers in local governments and professional researchers and aiming to translate satellite remote sensing techniques into information and tools that are useful for monitoring of eutrophication. Furthermore, an intensive training course on remote sensing data analysis in the Northwest Pacific Region was conducted at Nagasaki University as a joint activity with IOC/WESTPAC.

Recognizing these milestones and considering mid- and long-term strategies of CEARAC and goals of WG3/WG4, development of educational materials for utilization of remote sensing data for marine environment conservation is included in a workplan of NOWPAP WG4 for the 2008-2009 biennium.

2. Objective

Objective of this activity is to develop educational materials for utilization of remote sensing data for marine environment conservation, targeting at students, young researchers and coastal managers in the NOWPAP Region

3. Main tasks

The educational materials consist of guidance on acquisition, analysis and validation of remote sensing data for the monitoring and assessment of marine environment depending on the purpose of data use. Contents of the materials will be developed based on the training texts and materials of the first NEARGOOS-NOWPAP Training Course on Remote Sensing Data Analysis and other existing educational materials.

CEARAC will prepare a workplan for development of the educational materials by the 6th

CEARAC FPM. Upon approval of the workplan by the CEARAC FPM, CEARAC will conclude MoU with national experts recommended by WG4 experts or WG4 experts themselves to develop the educational materials.

Developed educational materials will be disclosed on the Internet and widely disseminated by CEARAC and national experts.

4. Expected outcomes

Developed educational materials will contribute to wide use of remote sensing data among students, young researchers and coastal managers in the NOWPAP Member States. In addition, the materials will be adequately polished through feedbacks of users or experts, given from the second NOWPAP training course on remote sensing data analysis and other possible opportunities.

5. Schedule

Proposed schedule will be as follows.

Time		Actions	Main body
2008	Q1	• Preparation of workplan for development of educational materials	CEARAC / consultant
	Q1	• Review of prepared workplan by WG4 experts	WG4 experts
	Mar (6 th CEARAC FPM)	• Approval of workplan and budget for development of educational materials	CEARAC / CEARAC FPs
	Q2	• Conclusion of MoU with national experts	CEARAC / National experts
	Q2 to Q3	• Development of the educational materials	National experts
	Q3 (4 th WG3/WG4 Meetings)	• Review of interim progress on the development of educational materials	WG3/WG4 experts
	Q4	• Development of the educational materials (continue)	National experts
2009	Q1	• Development of website contents	CEARAC consultant