

1. Background

The Integrated Report on Ocean Remote Sensing for the NOWPAP Region, published in 2005, suggested activities of enhancement of technical training programs. Mid- and long-term strategies of CEARAC adopted at the 5th CEARAC FPM in 2007 also stated the needs of training programs to disseminate outcomes of CEARAC activities.

Following these suggestions, CEARAC organized series of training courses on remote sensing data analysis for capacity building of the NOWPAP member states. The first course was jointly organized with IOC/WESTPAC in September 2007 at Nagasaki University, Japan. The second course was organized at Cheju National University, Cheju, Korea under the cooperation with KORDI in November 2008.

This document proposes continuous organization of the training courses and implementation of the 3rd training course on remote sensing data analysis for the 2010-2011 biennium.

2. Objective

Objective of this activity is to provide opportunities for students, young researchers and coastal managers to help obtain useful skills and knowledge to utilize remote sensing data in monitoring and assessment of the marine environment.

3. Main tasks

Based on the experiences of the past training courses, CEARAC will conduct the third NOWPAP training course on remote sensing data analysis in an efficient manner. NOWPAP WG4 members are expected to coordinate organization of the training course in the following matters:

- Review of workplan
- Review of syllabus
- Nomination of lecturers
- Recommendation of potential trainees

4. Expected outcome

Implementation of the third NOWPAP training course on remote sensing data analysis is expected to contribute to capacity building of the NOWPAP member states for utilizing remote sensing data for marine environment conservation. It is also expected to obtain useful information to consider future directions of CEARAC activities related to remote sensing through feedbacks from trainees.

5. Potential partnership with other organization

In order to efficiently implement the training course, CEARAC will form a cooperative relationship with other organizations and conduct the training course effectively. CEARAC will look for potential partners that are capable of providing and/or sharing the following resources and materials.

- Lecturers
- Trainees
- Training texts
- Venue

As well as the past training courses, CEARAC will look for partners such as IOC/WESTPAC, PICES, IOCCG, YSLME and other relevant organizations, to jointly organize the third training course.

6. Schedule

Proposed schedule will be as follows.

Time		Actions	Main body
2010	Q1	• Approval of workplan and budget by e-mail correspondences	CEARAC and FPs
		• Review of workplan and budget for the third NOWPAP training course on remote sensing data analysis. • Determination of venue and local host	CEARAC / CEARAC FPs
	Q2	• Preparation of the draft training program	CEARAC
	Q2	• Review and approval of the draft training program	WG4 experts
	Q2	• Finalization of implementation plan (Conclusion of MoU with local host)	CEARAC and local host
	Q2	• Announcement of the training course	CEARAC
	Q4	• Organization of the third NOWPAP training course on remote sensing data analysis.	CEARAC/ WG4 experts/ national experts / local host

7. Budget

15,000 US\$ is requested from NOWPAP Trust Fund. However this requested money is subject to change depending on availability of other fund sources.

Annex

Preliminary outline of the third NOWPAP training course on remote sensing data analysis

The training course will consist of lectures and hands-on practice of computer analysis. .

- Lectures - Satellite oceanography, introduction to ocean color remote sensing, availability of satellite data, case studies of red tide, monitoring of eutrophication, validation of algorithms, monitoring of oil spill;
- Hands-on practice sessions - Operation of remote sensing software; visualizing and verification of ocean color satellite data, time series analysis of ocean color data
- Submission of case study report – Conducting case study on specific subject

1) Duration of the training

Duration of the training will be 5 days.

2) Venue

The training will be held in China.

3) Class capacity

The maximum number of the trainees will be around 25.

4) Cost tuition

Training will be provided for free of charge; however, the cost for transportation and accommodations will be borne by participants. Limited scholarship will be available depends on funds obtained inside/outside of NOWPAP for some participants from overseas to help defray the cost of traveling and accommodations.

5) Application procedure

Those who are interested in attending the course should complete an application form prepared by CEARAC Secretariat. Applicants are also requested to submit a statement (200-300 words) outlining their educational/professional backgrounds and expectation for the course. Those wishing to apply for a scholarship are requested to complete a scholarship application form prepared by CEARAC Secretariat.

6) Language

Training course will be conducted in English

7) Obligation of participants

All participants are requested to filling out questionnaire to improve the quality of future training courses.