

## **Annex X**

### **Proposal for the second NOWPAP training course on remote sensing data analysis**

#### **1. Background**

The Integrated Report on Ocean Remote Sensing for the NOWPAP Region was published in 2005, based on the contents of the National Reports on Ocean Remote Sensing in the NOWPAP Region. This report suggested activities of enhancement of the technical training program. Following this suggestion, CEARAC organized the first NEAR-GOOS - NOWPAP Joint Training Course on Remote Sensing Data Analysis at Nagasaki University, Nagasaki, Japan from 3-7 September 2007 jointly with IOC/WESTPAC..

Recognizing these milestones and considering mid- and long-term strategies of CEARAC and goals of WG3/WG4, CEARAC will conduct the second training course on the remote sensing data analysis as a follow-on project of the first training course taken place at Nagasaki

#### **2. Objective**

Objective of this activity is to conduct an intensive 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.

#### **3. Main tasks**

Based on the experiences of the First NEAR-GOOS - NOWPAP Training Course on Remote Sensing Data Analysis, CEARAC will conduct the second NOWPAP training course on remote sensing data analysis (Annex).

A workplan for implementation of the training will be prepared by CEARAC. Then, experts of NOWPAP WG4 are expected to coordinate organization of the second training course in the followings:

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

#### **4. Potential partnership with other organization**

In order to efficiently implement the training course, CEARAC will form a cooperative relationship with other organizations to share resources in the followings.

- Lecturers
- Trainees
- Training texts
- Organization costs

As well as the first training on remote sensing data analysis, CEARAC will look for partners such as IOC/WESTPAC, YSLME and so on, to jointly organize the second training course.

#### **5. Expected outcome**

Implementation of the second 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.

## 6. Schedule

Proposed schedule will be as follows.

| Time |  | Actions  | Main body  |
|------|--|--|--|
| 2008 | Q1                                       | <ul style="list-style-type: none"> <li>Preparation of workplan for development of educational materials</li> </ul>                                     | CEARAC / consultant                                |
|      | Q1                                       | <ul style="list-style-type: none"> <li>Review of prepared workplan by WG4 experts</li> </ul>   | WG4 experts  |
|      | Mar<br>(6 <sup>th</sup> CEARAC FPM)      | <ul style="list-style-type: none"> <li>Review of workplan and budget for the second NOWPAP training course on remote sensing data analysis.</li> </ul> | CEARAC / CEARAC FPs                                |
|      | Q2                                       | <ul style="list-style-type: none"> <li>Preparation of the draft training program</li> </ul>  | CEARAC / consultant                                |
|      | Q3<br>(4 <sup>th</sup> WG3/WG4 Meetings) | <ul style="list-style-type: none"> <li>Review and approval of the draft training Program</li> </ul>  | WG4 experts  |
|      | Q4                                       | <ul style="list-style-type: none"> <li>Finalization of implementation plan</li> </ul>  | CEARAC and Local host                              |
| 2009 | Q1                                       |  |  |
|      | Q3                                       | <ul style="list-style-type: none"> <li>Second NOWPAP training course on remote sensing data analysis.</li> </ul>                                       | CEARAC/ WG4 experts/ national experts / local host |

## **Annex**

### **Outline of the second 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 one of the NOWPAP member states.

3) Class capacity

The maximum number of the trainees will be around twelve.

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 the suitability of their backgrounds and the reason(s) for interests in 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 review training materials to be used at the training course and make constructive comments for future improvement.