

1. Background

The Integrated Report on Ocean Remote Sensing for the NOWPAP Region, published in 2005, provided a comprehensive overview on the status of ocean remote sensing in the NOWPAP region and clarified the issues to be tackled in NOWPAP. Following the suggestions provided in the Integrated Report, CEARAC has implemented several projects on ocean remote sensing and made steady progress to establish a collaborative regional monitoring program in NOWPAP.

Mid- and long-term strategies of CEARAC adopted at the 5th CEARAC FPM suggested reviewing and updating the Integrated Report in 2011, 5 years after the publication of the first issue of the Report, based on outcomes of the activities implemented by NOWPAP WG4 since 2005.

This document explains a work plan to update the Integrated Report on Ocean Remote Sensing for the NOWPAP Region, as one activity of CEARAC for the 2010-2011 biennium.

2. Objective

Objective of this activity is to summarize the recent progress on ocean remote sensing during the last five years and provide latest information for the NOWPAP region.

3. Main tasks

CEARAC will prepare a draft revision of Integrated Report on Ocean Remote Sensing for the NOWPAP Region, referring to information accumulated in implementing activities of NOWPAP WG4 since the 1st issue of the Integrated Report on Ocean Remote Sensing for the NOWPAP Region in 2005. A provisional table of contents of the updated Integrated Report on Ocean Remote Sensing is shown in Annex.

WG4 experts of each NOWPAP member state are expected to voluntarily review the draft revision prepared by CEARAC and give comments for improvement.

4. Expected outcome

The updated Integrated Report on Ocean Remote Sensing for the NOWPAP Region will provide up-to-date information on the recent progress and the status of ocean remote sensing for the NOWPAP region and draw on issues to be addressed towards establishment of a collaborative regional monitoring program in NOWPAP.

5. Potential partners

In order to efficiently disseminate information in the updated the Integrated Report on Ocean Remote Sensing, CEARAC will form a cooperative relationship with other organizations. Such potential partners could be IOC/WESTPAC, YSLME, IOCCG and other relevant organizations.

6. Schedule

Proposed schedule will be as follows.

Time		Actions	Main body
2010	Q1	<ul style="list-style-type: none"> Approval of workplan and budget by e-mail correspondences 	CEARAC and FPs
	Q1	<ul style="list-style-type: none"> Conclusion of MoU with consultant 	CEARAC/Consultant
	Q1	<ul style="list-style-type: none"> Revision of updated Integrated Report on Ocean Remote Sensing for the NOWPAP Region 	CEARAC/Consultant
	Summer (8th CEARAC FPM back-to-back with Expert Meeting)	<ul style="list-style-type: none"> Review of interim progress of draft revision of updated Integrated Report on Ocean Remote Sensing for the NOWPAP region 	CEARAC/Consultant /FPs and experts
	Q4	<ul style="list-style-type: none"> Revision of updated Integrated Report on Ocean Remote Sensing for the NOWPAP Region (continue) 	CEARAC/Consultant
2011	Q1 to Q2	<ul style="list-style-type: none"> Review of updated Integrated Report on Ocean Remote Sensing for the NOWPAP Regions by CEARAC FPs 	CEARAC/ CEARAC FPs
		<ul style="list-style-type: none"> Revision of updated Integrated Report on Ocean Remote Sensing for the NOWPAP Region (continue) 	Consultant
	Q3 (9th CEARAC FPM back-to-back with Expert Meeting)	<ul style="list-style-type: none"> Final review of updated Integrated Report on Ocean Remote Sensing for the NOWPAP region 	CEARAC FPs
	Q3	<ul style="list-style-type: none"> Publication of updated Integrated Report on Ocean Remote Sensing for the NOWPAP region 	CEARAC

7. Budget

5,000 US\$ is required to hire a consultant by CEARAC.

Annex

Draft table of contents for updated Integrated Report on Ocean Remote Sensing for the NOWPAP Region

- 1 Introduction
- 2 Status of Remote Sensing utilization in marine environment monitoring
- 3 Case examples of RS application in marine environmental monitoring
- 4 Status of Research and Development on remote sensing technology for marine environment
 - 4.1 Sensor and satellite
 - 4.2 Algorithm for geo-physical Parameters
 - 4.3 Validation of geo-physical Parameters
- 5 Introduction of latest findings
- 6 Strategies/Plans for RS related activities
- 7 Challenges and prospects
- 8 Suggested activities for NOWPAP Region
- 9 Summary and recommendations