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**Northwest Pacific Action Plan
Special Monitoring and Coastal Environmental Assessment
Regional Activity Centre**

**The Eighth NOWPAP CEARAC Focal Points Meeting
Toyama, Japan, 13-15 September 2010**

**Report of updating the Integrated Report
on Ocean Remote Sensing for the NOWPAP Region**

1. Background

The 14th NOWPAP IGM (Toyama, Japan, 8-10 December 2009) approved CEARAC workplan for the 2010-2011 biennium with the budget cutdown to 107,000US\$. Following the decision on the budget cutdown, allocation of CEARAC budget to each specific project was revised by CEARAC and it was approved by CEARAC Focal Points through e-mail correspondence.

This document is a revised work plan and budget for updating the Integrated Report on Ocean Remote Sensing for the NOWPAP Region.

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 together with consultant will prepare a draft revision of Integrated Report on Ocean Remote Sensing for the NOWPAP Region, referring to information to be gathered through maintaining CEARAC websites such references, events, links and educational materials related to ocean remote sensing will also be incorporated in the Integrated Report. Useful information for the NOWPAP region in relevant activities and frameworks such as IOCCG Working Group, IOC/WESTPAC Remote Sensing for Integrated Coastal Area Manangement, YSLME Ocean Color Project, GEO Water Quality Working Group, ChloroGIN, etc will also be incorporated in the Integrated Report. 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. Schedule

Proposed schedule will be as follows.

Time		Actions	Main body
2010	August	<ul style="list-style-type: none"> Preparation of implementation plan for updating Integrated Report on Ocean Remote Sensing for the NOWPAP Region 	CEARAC
	September (8 th CEARAC FPM)	<ul style="list-style-type: none"> Approval of revised workplan and budget for updating Integrated Report on Ocean Remote Sensing for the NOWPAP Region 	CEARAC FPs
	Q3	<ul style="list-style-type: none"> Conclusion of MoU with consultant 	CEARAC / Consultant
2011	Jan to Feb	<ul style="list-style-type: none"> Review of the 1st draft by experts 	WG4 experts
	Mar to Aug	<ul style="list-style-type: none"> Preparation of the 2nd draft 	CEARAC/Consultant
	Fall (9 th CEARAC FPM)	<ul style="list-style-type: none"> Review of the 2nd draft by CEARAC FPs 	CEARAC FPs
	Late fall	<ul style="list-style-type: none"> Revision of the 2nd draft reflecting the results of review by CEARAC FPs 	CEARAC
	Q4	<ul style="list-style-type: none"> Publication of updated Integrated Report on Ocean Remote Sensing for the NOWPAP region in an electric format 	CEARAC
	Q4	<ul style="list-style-type: none"> Distribution of the report at the 16th NOWPAP IGM 	CEARAC

6. Budget

4,000 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: towards Assessment of Marine and Coastal Environment**

- 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