

## Annex V-4 Guidelines for National Report

(Prepared and Submitted by CEARAC Secretariat)

## 1 Concept

The standardization of National Reports is critically important as these reports are developed for the purpose of 1) accumulating reliable data and information, and 2) assessing the status of NOWPAP Members, in relation to the use of RS technology for marine environment monitoring.

## 2 Proposed Contents

- Status of RS utilization in marine environmental monitoring  
names of satellites and sensors used, variables, observing cycle, etc.
- Case examples of RS application in marine environmental monitoring  
examples of Eutrophication & Oil spill monitoring, etc.
- Status of R&D on remote sensing technology for marine environment  
development of new sensor (satellite), development of algorithm, verification of accuracy, etc.
- Introduction of latest findings
- Challenges and prospects
- Strategies / Plans for RS related activities
- Suggested activities for the NOWPAP region

## 3 Proposed Format

### 3.1 Status of RS utilization in marine environment monitoring

Simply fill in the table below.

Sensor	Satellite	Variables	Observing cycle	Intended use of data

### 3.2 Case examples of RS application in marine environmental monitoring

Describe case examples of RS monitoring of eutrophication & oil spills, stating specifically how the system for RS data acquisition, analysis and output is operated.

### 3.3 Status of R&D on remote sensing technology for marine environment

#### 3.3.1 Sensor (Satellite)

Describe the latest development on sensor (satellite) available for RS of marine environment

### 3.3.2 Algorithm for pre-processing

Describe the latest algorithm development for pre-processing RS data currently used.

### 3.3.3 Algorithm for parameters

Describe the latest algorithm development for parameters.

### 3.3.4 Validation of parameters

Describe the latest *in situ* database and validation results comparing RS data with *in situ* data.

## 3.4 Introduction of latest findings

Describe the notable achievements, either domestic or international, in the field of marine environment remote sensing.

## 3.5 Strategies / Plans for RS related activities

State the mid- and long-term strategies/plans for RS activities.

## 3.6 Challenges and Prospects

State the challenges and prospects in each member country regarding remote sensing of marine environment.

## 3.7 Suggested activities for the NOWPAP Region

The following topics are under consideration as subjects for suggested activities.

- Utilization of remote sensing technology in NOWPAP region.
  - Shared use of RS database.
  - Collaborative approach for the verification of accuracy among NOWPAP Members.
- etc.