

Annex VII

Review of the Guidelines for National Report and points of concern

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Review of the Guidelines for National Report and points of concern (Revised in the 2nd WG3 Meeting)

National Report gives basis for creating common understanding through reporting present situation of Harmful Algal Blooms (HAB) in each country. Such common understanding forms a starting point of the discussion about monitoring, assessment, and policy concerning HAB for marine environmental conservation in NOWPAP region, which is the final goal of NOWPAP WG3.

National Report is prepared by each country of NOWPAP. Each country is responsible for the contents. Its major contents shall be applied fields of monitoring of HAB and its results, which help us to understand problems and activities about HAB in NOWPAP region.

Its table of contents shall follow the National Report Guideline. The contents of each chapter shall be prepared by taking account of the following points of concern as well as contributing to NOWPAP activity.

I. INTRODUCTION

- Definition of red tide in its own country shall be described.
- General explanation of present situation of HAB in its own country shall be made.
- General description of characteristic of marine and coastal environment of NOWPAP region in its own country shall be made.

II. DATA AND INFORMATION USED

- Data and information used for the report shall be explained. It is important to understand how to obtain data and information and what data sources are in order to evaluate the quality of the report.

III. RESULT

- The contents of chapters are made by following the guideline, which was proposed in the 1st WG3 Meeting in 2003 and revised in the 2nd WG3 Meeting in 2004.

1. Situation of HAB Occurrence

- This chapter introduces situation of HAB based on the table in guideline.

2. Information of Monitoring

- Monitoring activities in your country are described based on guideline.

3. Progress of Researches and Studies to Cope with HAB

- Present researches and studies about HAB in your country are introduced.
- Topics suggested by the guideline are causative species, toxicity analysis, mechanism of occurrence, and mitigation measures.

4. Literature including newly obtained information
 - New information about HAB is introduced.
 - The CEARAC secretariat recommends structure (sections) of this chapter is made based on the categories of HAB Reference Database, which are “Occurrence and Monitoring”, “Mechanism and Environment” “Physiology”, “Taxonomy”, “Mitigation and Management”, and “Others”.

5. Training Activity to Cope with HAB
 - Based on the guideline, training activities to which your county is related are described.

6. National Priority for Future Activities to Cope with HAB
 - Activities concerning HAB, which your country is implementing, are described.

7. Suggested Activity for NOWPAP Region
 - Activities for HAB in the NOWPAP region are suggested.
 - Future activities for WG3 are suggested.

Guidelines for National Report of Working Group3 (Revised in the 2nd WG3 Meeting)

(1) Concept

National reports should aim at the accumulation of reliable data and information to integrate knowledge on HABs in the NOWPAP Region in near future. It is important to keep the consistency among the reports from all NOWPAP Members.

(2) Proposed Content

The National Report could be constructed of following chapters. The author of the National Report shall try to follow this guideline as well as possible in order to make it easier to compile the Intergraded Report. The author shall indicate reasons if some details in the guideline could not be provided.

I. Introduction

II. Data and information used

III. Result

1. Situation of HAB occurrence (frequency, duration, extensiveness, cell density, and toxicity/damage)
2. Information of Monitoring (methodology, parameters, and results)
3. Progress of research activities on HAB (causative species, toxicity analysis, mechanism of occurrence, mitigation measures, etc.)
4. Introduction of literature including newly obtained information
5. Training activities to cope with HAB
6. National priority for future activities to cope with HAB
7. Suggested activities for the NOWPAP Region

(3) Proposed Format

The detailed format of each chapter is proposed below.

1. Situation of HAB Occurrence

Simply fill up the table below.

Event No.	Location (name of the sea area) *1	Approximate Area suffered (km2)	Type of HAB Red tide or Toxic	Duration (dd/mm/yy -dd/mm/yy) *2	Causative species	Max. cell density cells/L	Mitigation Activity and effectiveness	Damage	
								Fishery resources*3	Human health*4

*1: provide a map(s) or coordinates showing the HAB area

*2: provide dates when HAB are occurring if it is possible

*3: Approximate damage in US\$.

*4: Number of death and patients

2. Information of Monitoring

2.1 Results of regular monitoring on HAB

- 1) Methodology
 - (1) Monitoring method (satellite, aircraft, research vessel, etc.)
 - (2) Area or location of monitoring (with a map(s) or coordinates)
 - (3) Frequency
- 2) Parameters monitored
- 3) Results of the monitoring

2.2 Results of HAB trace monitoring

The following information will be provided;

Date, Duration, Causative species, Toxicity, Damage, and Mitigation taken against HAB

3. Progress of Researches and Studies to Cope with HAB

- 3.1 Analysis of causative species
- 3.2 Toxicity analysis
- 3.3 Mechanism of HAB occurrence
- 3.4 Development of preventive/countermeasures
- 3.5 Others

4. Literature including newly obtained information

Literature information of recent study of HAB is introduced. (Hard copies of literature are not required but reference information would be needed.)

5. Training Activity to Cope with HAB

All training courses and programmes will be reported with description of;

- 1) Name of the training course/programme
- 2) Objectives of the training course/programme
- 3) Type of the training (lectures, workshop, seminar, laboratory practice, field practice, on-the-job training, etc.)
- 4) Organization (sponsor, trainers, trainees)
- 5) Date and venue
- 6) Contents of the training

6. National Priority for Future Activities to Cope with HAB

7. Suggested Activity for the NOWPAP Region

(4) Overall Guidance for Report Preparation

- Put appropriate explanations on the “source” for utilized data and information in the National Report
- Submit electronic files of the report to the CEARAC Secretariat