

Annex V-4

Guideline for National Report

Prepared and Submitted by CEARAC Secretariat

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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. Newly obtained literature on HAB should be added to the meta-database as soon as possible.

2. Proposed Content

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

3. Proposed Format

3.1 Situation of HAB Occurrence

Simply fill up the table below.

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

Source: (a copy of the original should also be submitted to CEARAC)

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

*2: Approximate damage in US\$.

*3: Number of death and patients

3.2 Monitoring

3.2.1 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

3.2.2 Results of HAB trace monitoring

The following information will be provided;

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

3.3 Progress of Researches and Studies to Cope with HAB

3.3.1 Analysis of causative species

3.3.2 Toxicity analysis

3.3.3 Mechanism of HAB occurrence

3.3.4 Development of preventive/countermeasures

3.3.5 Others

3.4 Literature including newly obtained information

3.5 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

3.6 National Priority for Future Activities to Cope with HAB

3.7 Suggested Activity for the NOWPAP Region

Annex Annual change of fishery production in coastal waters

- for ten (10) years
- by fishery type (coastal fisheries, fish culture, shellfish culture, seaweed culture)
- preferably by area

4. Overall Guidance for Report Preparation

- Put appropriate explanations on the “source” for utilized data and information in the National Report
- Submit a hard copy of literature cited in the National Report.
- Submit a hard copy of National Report together with its electronic files.