



منظمة الأغذية
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联合国
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Продовольственная и
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Organización
de las
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para la
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Alimentación

REGIONAL COMMISSION FOR FISHERIES (RECOFI)

Sixth Session

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FISHERIES MANAGEMENT IN THE RECOFI AREA

INTRODUCTION

1. Since the Fifth Session of the Regional Commission for Fisheries (RECOFI) (Dubai, United Arab Emirates, 12-14 May 2009) there have been two meetings of the Working Group on Fisheries Management (WGFM). The Third meeting of the WGFM was held in Doha, Qatar (20-22 October 2009) and the Fourth meeting in Muscat, Sultanate of Oman (3-5 October 2010).¹ A special meeting of the WGFM will be held in Manama, Bahrain (9 May 2011).² The outcome of this meeting will be reported to RECOFI in an addendum document (see document RECOFI/VI/2011/6 Add.1).

2. Both the Third and Fourth WGFM meetings were characterized by an encouraging level of participation by representatives and a genuine commitment to promote regional fisheries cooperation. It was evident that representatives desired a robust and vibrant Commission that would play an important role in encouraging long-term sustainable development in fisheries. However, it was also clear that Members would need to promote harmonized approaches to the management of fish stocks of common concern in order to achieve tangible results.

Third meeting of the WGFM

3. The Third meeting of the WGFM was attended by 14 representatives from eight FAO Members. At this meeting the WGFM addressed, and made recommendations on, a range of issues including:

- the outcomes of the Commission's Fifth Session relating to the future work of the WGFM;
- consideration and fine-tuning of the programme of work and budget for the 2009-2010 biennium in relation to WGFM activities;
- review of the outcomes of the FAO/RECOFI Regional Workshop to Combat Illegal, Unreported and Unregulated (IUU) Fishing and implications for future work of the WGFM;

¹ FAO. 2009. FAO Fisheries and Aquaculture Report. No. 922. Report of the Third Meeting of the RECOFI Working Group on Fisheries Management. FAO. Cairo. 63p. Available at: <http://www.fao.org/docrep/012/i1346e/i1346e00.pdf>

² FAO. 2010. FAO Fisheries and Aquaculture Report. No. 953. Report of the Fourth Meeting of the RECOFI Working Group on Fisheries Management. FAO. Cairo. 57p. Available at: <http://www.fao.org/docrep/013/i1916e/i1916e00.pdf>

- a proposal by the Sultanate of Oman to develop a RECOFI record of IUU fishing violations;
- a report on the outcomes of the tripartite meeting among three RECOFI Members;
- review of the findings of the FAO Fisheries and Aquaculture Circular relating to fisheries laws of certain RECOFI Members;
- review of the outcomes of the RECOFI Workshop on Stock Status Reporting, and
- consideration of a draft fisheries management measure possibly to be adopted by RECOFI at its Sixth Session.

Fourth meeting of the WGFM

4. The WGFM's Fourth meeting was attended by 14 representatives from six FAO Members from the Near East Region. The meeting continued to address issues referred to it by the Commission's Fifth Session and to review ongoing activities arising from the WGFM's Third meeting. The Fourth meeting:

- evaluated the programme of work and budget for the 2011–12 biennium including a detailed review of the regional strategy and priorities for regional fisheries management;
- noted and commented upon the outcome of the Special Meeting on RECOFI Consolidation and Development;
- agreed upon a binding draft recommendation on stock status reporting, the Commission's first recommendation, in support of long-term sustainable fisheries management in the RECOFI region;
- agreed on a feasibility study to review the development of a regional database for violations, establish a list of vessels authorized to fish by RECOFI Members and promote the establishment of a regional fisheries monitoring, control and surveillance (MCS) information exchange scheme;
- noted the outcomes of the Tripartite Meeting on Fisheries Management Cooperation in the Northern Area of RECOFI;
- noted the outcome of FAO/INFOSAMAK Seminar on Fish Trade and Illegal, Unreported, Unregulated Fishing in the Near East and North Africa;
- agreed that the WGFM should meet annually rather than on a biennial basis, and
- elected a new Chairperson.

Programme of Work and Budget for the 2011–12 biennium

5. The programme of work and budget was scrutinized and refined at both the WGFM's Third and Fourth meetings. All activities and projects requested of the WGFM by the Commission at its Fifth Session have been completed (Appendix 1).

6. In addition, for the 2011-12 biennium, the WGFM's Fourth meeting identified a suite of prioritized projects for implementation as part of the WGFM's analysis and updating of the RECOFI Regional Strategy and Priorities for Regional Fisheries Management, including a workplan: 2011-2012 (Appendix 2). This analysis took account of projects, some of which were discarded, postponed by the Commission at its Fifth Session.

7. To facilitate the RECOFI's discussions and decisions regarding the WGFM's programme of work and budget for 2011-12, projects have been extracted from the RECOFI Regional Strategy and Priorities for Regional Fisheries Management and incorporated in Appendix 3. It provides indications of ranking, indicative costs and major outputs. The total cost of the 15 prioritized projects is USD 330 000.

Special Meeting on RECOFI Consolidation and Development

8. The WGFM agreed that the Commission's consolidation and strengthening was of extreme importance, particularly in relation to ensuring that it had adequate financial resources to undertake its

agreed programme of work. Importantly, the WGFM recognized that should the current level of Members' contributions remain unchanged, this would have a significant impact on RECOFI's future work.

Stock status reporting

9. The WGFM reviewed a binding-draft recommendation entitled "Draft Recommendation RECOFI/6/2011/1 on Minimum Data Reporting in the RECOFI Area". It is in Appendix 4. In addressing the draft recommendation special attention was paid to considerations that would permit all RECOFI Members to implement the recommended actions contained in the draft recommendation. The WGFM endorsed the draft recommendation for on-forwarding to the Commission.

10. In discussion concerning the draft recommendation, the WGFM noted the urgent need for RECOFI to establish a regional database to maintain information required to support directly fisheries management in the region as a public asset of the Commission. Moreover, the WGFM reconfirmed the need for further preparatory work identified and agreed at the Third meeting of WGFM. This work included:

- a review of national fisheries monitoring programmes in order to identify the areas of improvement in addressing minimum data requirements;
- the establishment of common formats for reporting and sharing information, and
- a workshop to ensure the smooth implementation of minimum data reporting experimenting with actual data exchanges and examinations.

11. This report prepared in relation to these three issues will be considered at the WGFM's Special meeting on 9 May 2011 and in turn reported to RECOFI (see document RECOFI/VI/2011/6 Add.1).

Feasibility study to review the development of a regional database for violations, establish a list of vessels authorized to fish by RECOFI Members and promote the establishment of a regional fisheries monitoring, control and surveillance information exchange scheme

12. This matter is addressed in document RECOFI/VI/2011/7.

Frequency of meetings of the WGFM

13. With respect to the frequency of WGFM meetings, it was recommended that the WGFM should meet on an annual basis, maintaining, if possible, the current October schedule for the meeting. Despite the additional resources required to support an annual meeting, the WGFM noted that an increase in the frequency of meetings would enable the WGFM to review, update and monitor its activities in a more effective manner.

SUGGESTED ACTION BY THE COMMISSION

14. The Commission is invited to:

- note the progress made at the WGFM's Third and Fourth meetings;
- consider the list of prioritized projects agreed by the WGFM (Appendix 3) and determine which projects should be endorsed for implementation in the 2011-12 biennium;
- note the concern expressed by the WGFM in relation to the need to consolidate and strengthen RECOFI and to ensure that it has adequate financial resources to undertake its programme of work;
- adopt draft recommendation RECOFI/6/2011/1 entitled "Draft Recommendation on Minimum Data Reporting in the RECOFI Area", and
- endorse annual meetings of the WGFM.

Appendix 1

**RECOFI WGFM activities approved and postponed by the Commission
for the 2009–2011 biennium³**

Working Group	Activity	Date	Location	Duration	Indicative cost (USD)	Status
Joint fisheries management and aquaculture	Red Tides: Impacts on capture fisheries and aquaculture and counter measures (technical workshop)	2010	Kuwait	3-4 days	20 000	Cancelled ⁴
Joint fisheries management and aquaculture	Geographical Information System and spatial tools applications for capture fishery and aquaculture	24–28 October 2010	Qatar		30 000	Completed
Fisheries Management	Third WGFM meeting	October 2009	Qatar	3 days		Completed
Fisheries Management	Fourth WGFM meeting	3–5 October 2010	Oman			Completed
Fisheries Management	Integration of catch and effort data in the RECOFI area	2011	RECOFI countries	TBD	30 000	On-going
Fisheries Management	Review of national fisheries programmes	2009	RECOFI countries	TBD	40 000	Postponed
Fisheries Management	Workshop on the utilization of fishery dependent data	2010	TBD	3–4 days	30 000	Postponed
Fisheries Management	Workshop on RECOFI fisheries economics	2010	TBD	3–4 days	30 000	Postponed
Fisheries Management	Training workshop on fishery resources appraisal	2010/2011	TBD	4 days	40 000	Postponed
Fisheries Management	Pilot joint assessment of shared stocks	2011	TBD	3–4 days	30 000	Postponed

³ Approved or postponed by the Fifth session of RECOFI, Dubai, United Arab Emirates, 12–14 May 2009.

⁴ See Report of the Third Meeting of the WGFM paragraphs 17 to 19 for discussion and background to the decision to cancel the activity.

Appendix 2

Updated RECOFI Regional Strategy and Priorities for regional Fisheries Management, Including a workplan: 2011-2012

STRATEGY: Promotion of sound and effective regional fisheries governance by:

- ensuring that fisheries are exploited and utilized in a responsible and long-term sustainable manner,
- ensuring that fisheries generate maximum social and economic benefits for RECOFI countries, and
- ensuring that ecosystem considerations are incorporated into conservation and management decisions.

PRIORITIZED OBJECTIVES	REGIONAL ACTIVITIES	REGIONAL PROJECTS	INDICATIVE COST AND FUNDING SOURCE (USD)	PROJECT RANKING	MAJOR PROJECT OUTPUTS
1. To implement effective fisheries management through regional cooperation and harmonization, including shared stocks and fisheries of common interest, based on the ecosystem approach	Development and implementation of information systems to support regional fisheries management plans	Preparatory exercise for implementation of minimum data requirements and establishment and maintenance of a regional database and information network to support management of major fisheries (Follow-up to Iran Workshop)	20 000 (Source: TBI) Cost of establishment and maintenance of regional database to be determined	1	Initial data set to be incorporated into regional database Establishment of a regional database
		Review of national fisheries monitoring programmes	40 000 (Source: TBI)	8	Enhanced national fisheries monitoring programmes to support sustainable fisheries management
		Pilot joint assessment of kingfish and workshop on the utilization of fishery dependent data	30 000 (Source: TBI)	3	Recommendations and options for the assessment of joint stocks
		Pilot joint assessment of ecosystem impact of shrimp fisheries	30 000 (Source: TBI)	7	Recommendations and options for assessing ecosystem impacts of shrimp fisheries

PRIORITIZED OBJECTIVES	REGIONAL ACTIVITIES	REGIONAL PROJECTS	INDICATIVE COST AND FUNDING SOURCE (USD)	PROJECT RANKING	MAJOR PROJECT OUTPUTS
	Development and implementation of agreed management scope, operational objectives and conservation measures (e.g. closed areas, seasons, restrictions on species and sizes)	Workshop to develop regional management plans with agreed operational objectives and conservation measures for fisheries management	15 000 (Source: TBI)	2	Fisheries management plan Harmonization and cooperation to strengthen management
	Implementation of monitoring, control and surveillance (MCS), including vessel monitoring systems	Project to implement regionally VMS: phase 1 to ascertain feasibility	30 000 (Source: TBI)	14	Report with recommendations and options concerning the implementation of regional VMS
		Annual regional meeting of MCS officers to exchange information of common interest and consider the possibility of promoting a harmonized MCS approach	15 000 (Source: TBI)	13	Strengthened approach to addressing regional MCS problems through enhanced cooperation and harmonization of activities
	Implementation of measures against illegal, unreported and unregulated (IUU) fishing including port States measures and flag State performance criteria	Feasibility study to review development of regional databases of violations, establish a list of vessels authorized to fish by Members and the establishment of a MCS information exchange scheme	30 000 (Source: TBI)	10	Options and recommendations to address IUU fishing in a more comprehensive and effective manner
	Promotion of bycatch reduction in support of improved utilization	A study to evaluate and promote options to improve utilization of bycatch	15 000 (Source: TBI)	15	Reduced bycatch in fisheries
	Promotion of gear types to mitigate bycatch and ecosystem impacts	Evaluation and promotion of options of gear types with lower ecosystem impacts	15 000 (Source: TBI)	9	Reduced undesirable impact of fisheries on the ecosystem Greater responsibility and sustainability in fisheries
2. To facilitate human resource development and institutional strengthening to ensure the capacity to implement sustainable fisheries	Workshops, country attachments and other training opportunities to enhance human resource development	Applied training programme for fish data collectors for the identification of priority species	25 000 (Source: TBI)	4	Fish data collectors capable of identifying priority species

PRIORITIZED OBJECTIVES	REGIONAL ACTIVITIES	REGIONAL PROJECTS	INDICATIVE COST AND FUNDING SOURCE (USD)	PROJECT RANKING	MAJOR PROJECT OUTPUTS
3. To promote legal discussion and review and revise fisheries legislation for harmonizing fisheries management, reflecting international instruments	Promotion of the acceptance and implementation of international instruments and harmonization of fisheries laws among Members	Comparative analysis of certain legal issues to promote further harmonization of legislation, building on initial work undertaken by RECOFI and taking into consideration other relevant work	20 000 (Source: TBI)	5	Enhanced understanding of requirements to promote greater harmonization of legislation to support regional approaches to fisheries management
4. To reflect social values and economic consideration in small-scale fisheries	Recognition of the social and economic role including food security and nutrition, played by fisheries and their utilization	Workshop on social and economics aspects of small scale fisheries	10 000 (Source: TBI)	6	Enhanced understanding of the economic dimensions of the fishing industry in the region with a view to the development of economic indicators
5. To coordinate and promote information exchange and fish trade in the RECOFI Area	Promote better cooperation in regional fish trade including consideration of regional standards for fish exports and imports	Evaluation of certification and related schemes to be investigated together with the relationship between IUU fishing and trade and the estimated value of IUU fishing in the region	20 000 (Source: TBI)	12	Enhanced understanding of impacts of certification and related schemes Assessment of the effects of IUU fishing on trade Estimation of the value of IUU fishing in the region
		Workshop to consider regional standards for fish exports and imports as a means of promoting better cooperation and trade	15 000 (Source: TBI)	11	More rigorous standards for fish exports and imports

Appendix 3

**Summary of prioritized Projects Agreed at the Fourth Meeting of the WGF
(Muscat, Sultanate of Oman, 3-5 October 2010)**

WORKING GROUP	PROJECTS	DATE	LOCATION	RANKING	INDICATIVE COST (USD)	MAJOR PROJECT OUTPUTS
Fisheries Management	Preparatory exercise for implementation of minimum data requirements and establishment and maintenance of a regional database and information network to support management of major fisheries (Follow-up to Iran Workshop)	June 2009	Iran	1	20 000 (Source: To be identified (TBI)) Cost of establishment and maintenance of regional database to be determined	Initial data set to be incorporated into regional database, and Establishment of a regional database
	Workshop to develop regional management plans with agreed operational objectives and conservation measures for fisheries management	TBD	To be determined (TBD)	2	15 000 (Source: TBI)	Fisheries management plan Harmonization and cooperation to strengthen management
	Pilot joint assessment of kingfish and workshop on the utilization of fishery dependent data	TBD	TBD	3	30 000 (Source: TBI)	Recommendations and options for the assessment of joint stocks
	Applied training programme for fish data collectors for the identification of priority species	TBD	TBD	4	25 000 (Source: TBI)	Fish data collectors capable of identifying priority species
	Comparative analysis of certain legal issues to promote further harmonization of legislation, building on initial work undertaken by RECOFI and taking into consideration other relevant work	TBD	TBD	5	20 000 (Source: TBI)	Enhanced understanding of requirements to promote greater harmonization of legislation to support regional approaches to fisheries management
	Workshop on social and economics aspects of small-scale fisheries	TBD	TBD	6	10 000 (Source: TBI)	Enhanced understanding of the economic dimensions of the fishing industry in the region with a view to the development of economic indicators
	Pilot joint assessment of ecosystem impact of shrimp fisheries	TBD	TBD	7	30 000 (Source: TBI)	Recommendations and options for assessing ecosystem impacts of shrimp fisheries

WORKING GROUP	PROJECTS	DATE	LOCATION	RANKING	INDICATIVE COST (USD)	MAJOR PROJECT OUTPUTS
	Review of national fisheries monitoring programmes	TBD	TBD	8	40 000 (Source: TBI)	Enhanced national fisheries monitoring programmes to support sustainable fisheries management
	Evaluation and promotion of options of gear types with lower ecosystem impacts	TBD	TBD	9	15 000 (Source: TBI)	Reduced undesirable impact of fisheries on the ecosystem, and Greater responsibility and sustainability in fisheries
	Feasibility study to review development of regional databases of violations, establish a list of vessels authorized to fish by Members and the establishment of a MCS information exchange scheme	TBD	TBD	10	30 000 (Source: TBI)	Options and recommendations to address IUU fishing in a more comprehensive and effective manner
	Workshop to consider regional standards for fish exports and imports as a means of promoting better cooperation and trade	TBD	TBD	11	15 000 (Source: TBI)	More rigorous standards for fish exports and imports
	Evaluation of certification and related schemes to be investigated together with the relationship between IUU fishing and trade and the estimated value of IUU fishing in the region	TBD	TBD	12	20 000 (Source: TBI)	Enhanced understanding of impacts of certification and related schemes; Assessment of the effects of IUU fishing on trade, and Estimation of the value of IUU fishing in the region
	Annual regional meeting of MCS officers to exchange information of common interest and consider the possibility of promoting a harmonized MCS approach	TBD	TBD	13	15 000 (Source: TBI)	Strengthened approach to addressing regional MCS problems through enhanced cooperation and harmonization of activities
	Project to implement regionally VMS: phase 1 to ascertain feasibility	TBD	TBD	14	30 000 (Source: TBI)	Report with recommendations and options concerning the implementation of regional VMS
	A study to evaluate and promote options to improve utilization of bycatch	TBD	TBD	15	15 000 (Source: TBI)	Reduced bycatch in fisheries

Appendix 4

**DRAFT RECOMMENDATION RECOFI/6/2011/1
ON MINIMUM DATA REPORTING IN THE RECOFI AREA**

The Regional Commission for Fisheries (RECOFI),

RECALLING that the purpose of RECOFI is, *inter alia*, to promote the development, conservation, rational management and best utilization of living marine resources, as well as the sustainable development of aquaculture;

RECALLING that the third meeting of RECOFI's Working Group on Fisheries Management (WGFM) (Doha, Qatar, 20-22 October 2009) agreed that a recommendation on minimum data reporting in the RECOFI Area should be drafted for review by the fourth meeting of the WGFM (Muscat, Oman, 3-5 October 2010) for submission to the Sixth Session of RECOFI (Manama, Bahrain, 10-12 May 2011);

REAFFIRMING the strong desire of RECOFI Members to promote closer international cooperation and harmonization in fisheries of mutual interest;

AWARE that minimum data reporting requirements for the RECOFI Area are fundamental to promoting long-term sustainable fisheries, especially for species of common interest in the region (see Appendix 1);

ADOPTS in conformity with the provision of paragraph 1 (b) and (h) of Article III and Article V of RECOFI Agreement that:

1. (a) Each Member shall take such measures as may be necessary to ensure the collection and submission of information required under the paragraph 2, 3 and 4 of this recommendation.

(b) Nothing in this recommendation shall constrain a Member pursuing data collection and sharing them with the Commission for the purpose of improving management of fisheries and fishery resources in the RECOFI area beyond the requirements of this recommendation.
2. (a) Each Member operating with shrimp trawl fishery shall make available to the Commission the following information with respect to that fishery:
 - (i) opening and closing dates of the fishery;
 - (ii) number of vessels engaged in the fishery according to its own vessel type/ size categories (e.g. steel-hulled/speed boats/dhows);
 - (iii) annual average tow duration, annual average number of tows per day, and total number of days at sea, according to vessel type/size categories;
 - (iv) live-weight equivalent of annual catch of shrimp, swimming crab, cuttlefish, narrow-barred Spanish mackerel, emperors, groupers, sharks, rays, and other finfishes, taken by the fishery;
 - (v) annual amount of discards, and
 - (vi) species composition of by-catch and discards, if available.
(b) If any by-catch reduction device (BRD) is used or other mitigation measure taken, each Member should advise the Commission of details of such BRD/mitigation measure used and submit the catch and effort for those vessels with mitigation measures separated from those vessels operating normally.
3. Each Member shall make available to the Commission the following information with respect to gillnets, wire-traps, and hooks-and-line fisheries, respectively:

- (a) annual effort in individual fisheries, in terms of “number of days at sea”, and if this is not possible, alternative effort with its brief description, and
- (b) live-weight equivalents of annual total catch, and of annual catches of narrow-barred Spanish mackerels, emperors, groupers, sharks and rays taken by individual gears with species identification of emperors and groupers to the extent possible, and amount of discards if available.
4. (a) Each Member shall make available to the Commission the following information with respect to narrow-barred Spanish mackerel *Scomberomorus commerson* taken in any fishery in the country:
- (i) catch in live-weight equivalent on a monthly basis to the extent possible, if not on an annual basis;
 - (ii) fork length composition of catch on a monthly basis to the extent possible, if not on an annual basis, either based on fishery monitoring or obtained from other sources, and
 - (iii) for operations targeting narrow-barred Spanish mackerel (e.g. kingfish fixed net, gillnet and hooks and line), monthly catch with fork length composition and effort by gear type, together with clear description of kinds of effort used, to the extent possible.
- (b) Each Member shall make available to the Commission any results obtained through surveys and research works relevant to narrow-barred Spanish mackerel, including fishery-dependent and fishery-independent stock indicators, biological parameters (e.g. growth rate, length frequency data obtained by projects, age-length relationship, reproductive information, natural mortality) and ecological information (e.g. distribution, feeding habitat, habitat preferences).
5. Each Member shall, to the extent practicable, make available to the Commission the following additional information:
- (a) shrimp species composition within the shrimp trawl catch, and
 - (b) species composition of discards.
6. Each Member shall submit to the Commission the information required under paragraphs 2, 3, 4 and 5 of this recommendation, and any modification to information reported previously, before the end of August of the following year. Each Member shall cooperate in exchanging historical information relevant to those described in this recommendation.
7. Each Member shall cooperate in sharing survey plans and protocols prior to their implementation, as well as results of such surveys upon their conclusion, to the relevant Members through the Commission.
8. The Commission shall collate, maintain and promptly disseminate to Members the information provided under paragraphs 2, 3, 4 and 5 of this recommendation. The Commission may, subject to the request from a Member who provided information, impose restrictions on access to the information by the public.
9. The Commission shall monitor and evaluate regularly the status of implementation of this recommendation.

APPENDIX 1

List of key species supporting main reference fisheries in the RECOFI Area

FAO name	ASFIS code	Common name	Scientific name
Penaeid shrimps nei	PEZ	Shrimps	Penaeidae
Blue swimming crabs	SCD	Blue swimming crab	<i>Portunus pelagicus</i>
Pharaoh cuttlefish	IAH	Cuttlefish	<i>Sepia pharaonis</i>
Stolephorus anchovies	STO	Anchovies	<i>Stolephorus</i> spp.
Indian oil sardine	IOS	Indian oil sardine	<i>Sardinella longiceps</i>
Bludger	NGY	Jacks	<i>Carangoide gymnostethus</i>
Golden trevally	GLT	Golden trevally	<i>Gnathanodon speciosus</i>
Indian mackerel	RAG	Indian mackerel	<i>Rastrelliger Kanagurta</i>
Snubnose emperor	LBW	Orange finned emperor	<i>Lethrinus borbonicus</i>
Pink ear emperor	LTS	Redspot emperor	<i>Lethrinus lentjan</i>
Spangled emperor	LHN	Spangled emperor	<i>Lethrinus nebulosus</i>
Coral hind	CFI	Coral grouper/Bluespotted grouper	<i>Cephalopholis miniata</i>
Orange-spotted grouper	ENI	Orange-spotted grouper	<i>Epinephelus coioides</i>
White-spotted spinefoot	SCN	Rabbitfish	<i>Siganus canaliculatus</i>
Narrow-barred Spanish mackerel	COM	King mackerel/Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>
Longtail tuna	LOT	Longtail tuna	<i>Thunnus tonggol</i>
Requiem sharks nei	RSK	Sharks	Carcharhinidae