

**REPORT OF THE RES&POA-2030:  
REGIONAL WORKSHOP ON  
DEVELOPMENT OF THE KEY  
INDICATORS AND DETAILED ROADMAP**

**Bangkok, Thailand  
23–24 March 2022**



**The Southeast Asian Fisheries Development  
Center**

**The Secretariat**

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# REPORT OF THE RES&POA-2030: REGIONAL WORKSHOP ON DEVELOPMENT OF THE KEY INDICATORS AND DETAILED ROADMAP

23–24 March 2022  
Online Meeting

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## INTRODUCTION

1. The RES&POA-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap was organized on 23 and 24 March 2022 through the online platform and hosted by the SEAFDEC Secretariat with the support of the Japanese Trust Fund (JTF). The Workshop was attended by the representatives from the ASEAN-SEAFDEC Member Countries, namely: Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Viet Nam; SEAFDEC Secretary-General, SEAFDEC Deputy Secretary-General, senior officials and officers from the SEAFDEC Secretariat, Training Department (TD), Marine Fisheries Research Department (MFRD), Aquaculture Department (AQD), Marine Fishery Resources Development and Management Department (MFRDMD), and Inland Fishery Resources Development and Management Department (IFRDMD). The List of Participants appears as **Annex 1**.

### I. OPENING OF THE WORKSHOP

2. In her Opening Remarks, the Secretary-General of SEAFDEC, *Ms. Malinee Smithrithee*, recalled the proposal and roadmap submitted to the 53<sup>rd</sup> Meeting of the SEAFDEC Council (53CM) in 2021 for the conduct of Monitoring and Evaluation of the Implementation of the Resolution and Plan of Action on Sustainable Fisheries for Food Security in the ASEAN Region Towards 2030 (RES&POA-2030). She also recalled the suggestion made by the Council for SEAFDEC to engage with the ASEAN Member States (AMSs) in the implementation of the RES&POA-2030 as well as to develop and disseminate the key indicators for monitoring and evaluation of its implementation. She, therefore, encouraged the participants to discuss the indicators and the roadmap for monitoring and evaluation of the implementation of the RES&POA-2030, and declared the Workshop open. Her Opening Remarks appears as **Annex 2**.

3. The first and second days of the Workshop were moderated by the Policy and Program Coordinator, *Dr. Worawit Wanchana*, and Senior Policy Officer, *Ms. Pattaratjit Kaewnuratchadasorn*, of the SEAFDEC Secretariat, respectively.

### II. OBJECTIVES AND AGENDA OF THE WORKSHOP

4. The representative from the SEAFDEC Secretariat, *Ms. Sawitree Chamsai*, introduced the background, objectives, and agenda of the Workshop. She reiterated the suggestion made by the 53CM for SEAFDEC to develop and disseminate the key indicators for monitoring and evaluation of the implementation of RES&POA-2030. In response, the draft indicators for the POA-2030 were prepared by the SEAFDEC Secretariat in collaboration with the SEAFDEC Departments for further consideration by the AMSs. Therefore, this Workshop was organized to discuss the draft indicators, template, and timeline of the roadmap to support the monitoring and evaluation of the implementation of the RES&POA-2030. The Agenda of the Workshop appears as **Annex 3**.

5. The representative from Myanmar queried whether the role of the National Focal Points that had been assigned previously to coordinate with SEAFDEC in reviewing the RES&POA-2020 and drafting of the RES&POA-2030 would be continued to also support the monitoring and evaluation of the implementation of the RES&POA-2030. In response, the Workshop was clarified that the task of the National Focal Points for the development of the RES&POA-2030 was assigned for a specific

duration; however, the monitoring and evaluation of the implementation of the RES&POA-2030 would be a long-term task up to the year 2030. The Mechanism of SEAFDEC National Coordinators would therefore be more appropriate so that the task could be carried out throughout such a long period.

### **III. KEY INDICATORS TO MONITOR AND EVALUATE THE IMPLEMENTATION OF THE RES&POA-2030**

6. The representative from the SEAFDEC Secretariat, *Ms. Sawitree Chamsai*, presented the background, objective, and guide for the AMSs for providing inputs including the draft key indicators to monitor and evaluate the implementation of the RES&POA-2030. She pointed out that each of the 88 POAs would have at least one key indicator. To evaluate the implementation of the POAs, the AMSs will be requested to rate the level of achievement of each POA based on the key indicator(s). Toward this, the AMSs were encouraged to develop their respective criteria, targets, and means of verification to serve as a reference and support the evaluation.

7. The representative from Japan, while expressing support through the JTF to the monitoring and evaluation of the implementation of the RES&POA-2030, looked forward to fruitful discussions and results from this Workshop which would assist the AMSs to work toward the achievement of the RES&POA-2030.

8. While expressing her gratitude to SEAFDEC for organizing the Workshop, the representative from Viet Nam raised the concern that some aspects of the implementation of the RES&POA-2030 are beyond the mandate of the agency responsible for fisheries and therefore would require inter-agency coordination to acquire relevant information. In response, the Workshop suggested that the countries should consider conducting national consultation(s) to gather inputs from other relevant agencies, as necessary.

9. The representative from the Philippines suggested that if support for national consultations is not possible, there should be a separate questionnaire for different fisheries sub-sectors *e.g.* small-scale/commercial capture, aquaculture, post-harvest, among others, in order that such questionnaires could be separately sent to the relevant agencies. In addition, the concern was raised that the proposed rating scale from 1 to 5 are subjective and suggested that there should be a clearer definition of each rating level. Moreover, clear criteria should be developed for each indicator. In response, the Workshop was informed that the clear definition for each rating would be difficult as the rating would have to be applicable to all POAs which are different in nature and require different types of actions. Moreover, each AMS may have different targets to be achieved for each of the POA. With regard to the criteria, the SEAFDEC Secretariat proposed that instead of developing different criteria for each indicator, the AMSs should consider common criteria in providing the rating, as applicable for each indicator.

10. Moreover, the representative from the Philippines recommended the following: 1) categorization of the indicators that have similar actions *e.g.* data information, capacity building, 2) indicator number 4 on 'level of country's capacity to establish reference points for fish stocks should be placed under 'Fisheries Management' instead of 'Planning and Information', and 3) mode to define 'effectiveness' or 'sufficiency.' In response, the Workshop was informed that the indicators were developed and categorized based on the components of the POA-2030, and regrouping the indicators would be hard to make a reference to the POAs.

11. The Workshop agreed on the rating scale for each indicator that should be rated as, 1 (not at all), 2 (at limited level), 3 (at fair level), 4 (at good level), and 5 (at excellent level). Nevertheless, the representative from Singapore suggested that some of the indicators should be rated as Y (yes) or N (no); and requested the SEAFDEC Secretariat to specify which of the indicators should be rated "from 1 to 5" or "Y/N."



12. The Workshop also agreed on the examples of common criteria that should be considered when rating each indicator, *e.g.* national policies, legal frameworks, programs, working mechanisms, human resources, financial resources, and others. However, the criteria should be considered as applicable for each indicator and condition of the respective countries; while additional criteria could be explored, as appropriate.

13. The Workshop noted that in addition to the rating for each indicator, the AMSs were also encouraged to provide additional information *e.g.* means of verification. Considering the lengthy process of the monitoring and evaluation of the implementation of the RES&POA-2030 and changes in the responsible staff, this additional information would help the new staff to know the fundamentals and criteria of the previous monitoring and evaluation.

14. After the discussion, the Workshop agreed on the revision of the indicators, rating, and criteria for rating as appears in **Annex 4**. The Workshop suggested that there should be a trial exercise for the AMSs to provide inputs to the draft indicators to allow them to understand the indicators and rating so that the countries can provide further comments.

15. In this regard, the Workshop agreed that the second regional workshop should be organized to finalize the indicators as well as to discuss the analysis of results based on the inputs provided by the respective AMSs through the trial exercise.

#### **IV. ROADMAP TO SUPPORT THE MONITORING AND EVALUATION OF THE IMPLEMENTATION OF THE RES&POA-2030**

16. The Workshop took note of the template to monitor and evaluate the implementation of the RES&POA-2030, including indicators, rating, and additional information (*e.g.* means of verification), as presented by the SEAFDEC Secretariat. It was also noted that the template will be used for the collection of baseline information in 2021, mid-term review in 2025, and final evaluation in 2029. Taking into consideration the recommendations from the Workshop, the template for the monitoring and evaluation of the implementation of the RES&POA-2030 was revised as appears as **Annex 5**.

#### **V. CONCLUSION AND WAYS FORWARD**

17. The Workshop took note of the timeline of the roadmap to monitor and evaluate the implementation of the RES&POA-2030 as presented by the SEAFDEC Secretariat which appears as **Annex 6**.

18. The Workshop was informed that the SEAFDEC Secretariat would circulate the draft Report of the Workshop to all participants by 29 March 2022 and requested the countries to provide comments by 1 April 2022. After accommodating the comments, the Report would be considered adopted.

19. Subsequently, SEAFDEC will circulate by 5 April 2022 the template with the draft indicators for trial exercise to the SEAFDEC National Coordinators to provide inputs and feedback on the draft indicators, rating, and additional information. The AMSs were requested to provide the inputs and feedback to the SEAFDEC Secretariat by 13 May 2022, which would be discussed at the second regional workshop tentatively scheduled in June 2022.

20. The Workshop noted that the results of this Workshop, particularly the draft indicators, template, and Roadmap will be reported to the 54<sup>th</sup> Meeting of the SEAFDEC Council for information and seeking further directives.

## VI. CLOSING OF THE WORKSHOP

21. The Deputy Secretary-General of SEAFDEC, *Mr. Koichi Honda*, expressed his gratitude to all participants for their active participation and valuable input during the Workshop. He urged that the indicators could pave the way for measuring the performance of the AMSs' actions towards sustainable development of fisheries in the region. He also added that once the measurement is conducted, the AMSs could learn which areas are doing well as well as where more capacity building or assistance may be needed. He stated that the results of this Workshop will be reported to the upcoming 54<sup>th</sup> Meeting of SEAFDEC Council in May 2022, and declared the RES&POA-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap close. His Closing Remarks appears as **Annex 7**.

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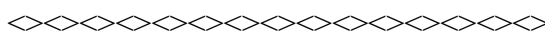


## OPENING REMARKS

*Ms. Malinee Smithirthee*  
SEAFDEC Secretary-General

RES&POA-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap

*23-24 March 2022, online meeting*



Distinguished delegates from the ASEAN-SEAFDEC Member Countries,  
My colleagues from SEAFDEC,  
Ladies and gentlemen, good morning!

First of all, let me welcome all of you to the “Resolution and Plan of Action-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap.”

During the 53<sup>rd</sup> Meeting of the SEAFDEC Council last year, the Council supported the proposal to conduct the Roadmap for Monitoring and Evaluation of the Implementation of RES&POA-2030.

Since the Resolution and Plan of Action will serve as a policy framework for regional fisheries development in the upcoming decade, SEAFDEC was requested to engage with the ASEAN Member States in the implementation of this Resolution and Plan of Action as well as to develop and disseminate the key indicators for monitoring and evaluation of its implementation.

SEAFDEC, therefore, organizes this Workshop to discuss the key indicators and detailed roadmap for monitoring and evaluation including baseline data and information, targets, reporting, and timeframe for the monitoring and evaluation of the implementation of the RES&POA-2030.

With that note, I declare the “Resolution and Plan of Action-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap” open.

I hope for fruitful discussion during this Workshop. Thank you very much and have a good day!



## **AGENDA**

**Agenda 1: Opening of the Workshop**

**Agenda 2: Objectives and Agenda of the Workshop**

**Agenda 3: Key indicators to monitor and evaluate the implementation of RES&POA-2030**

**3.1 Planning and Information**

**3.2 Fisheries Management**

**3.3 Aquaculture**

**3.4 Optimal Utilization of Fish and Fishery Products**

**3.5 Fish Trade**

**3.6 Regional and International Policy Formulation**

**Agenda 4: Roadmap to support the monitoring and evaluation of the implementation of the RES&POA-2030**

**Agenda 5: Conclusion and Ways Forward**

**Agenda 6: Closing of the Workshop**





## Annex 4

### Draft Indicators to Monitor and Evaluate the Implementation of RES&POA-2030

#### **Background**

SEAFDEC proposed the Concept Note for organizing the Regional Workshop on the Roadmap for Monitoring and Evaluation of the Implementation of the Resolution and Plan of Action on Sustainable Fisheries for Food Security in the ASEAN Region Towards 2030 (RES&POA-2030) during the 53<sup>rd</sup> Meeting of the SEAFDEC Council (53CM) in early 2021. The 53CM supported such idea and suggested SEAFDEC develop and disseminate the key indicators for monitoring and evaluation of the implementation of RES&POA-2030 in order that the AMSs could provide valuable inputs during the Workshop.

The SEAFDEC Secretariat in collaboration with the SEAFDEC Departments developed the indicators that will be used as tools to facilitate the monitoring and evaluation of the implementation of the RES&POA-2030. The indicators were categorized according to the six components of the Plan of Action on Sustainable Fisheries for Food Security for the ASEAN Region Towards 2030 (POA-2030), namely: 1) Planning and Information, 2) Fisheries Management, 3) Aquaculture, 4) Optimal Utilization of Fish and Fishery Products, 5) Fish Trade, and 6) Regional and International Policy Formulation. The detailed POA-2030 could be accessed at <http://hdl.handle.net/20.500.12066/6583>. The AMSs will be requested to rate the indicators to determine the level of achievement of POA-2030. The AMSs should consider common criteria (e.g. national policies, legal frameworks, programs, working mechanisms, human resources, financial resources, among others) when rating each indicator. However, the criteria should be considered as applicable to the respective countries; while additional criteria could be explored, as appropriate.

Each indicator should be rated as:

#### **Option 1: rating scale of 1-5**

- 1 = not at all
- 2 = at a limited level
- 3 = at a fair level
- 4 = at a good level
- 5 = at an excellent level

#### **Option 2: Yes/No**

If the indicator is not applicable or the country is unable to provide a response, please indicate N/A.

Moreover, the AMSs should also provide additional information (e.g. means of verification) for each indicator to ensure that the monitoring and evaluation of the POA-2030 in different timeframes would have the same set of fundamentals and criteria.

#### **A. Planning and Information**

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
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1	Level of integration of planning of marine capture fisheries, inland capture fisheries, and aquaculture sub-sectors for sustainable fisheries ( <i>e.g.</i> availability of fisheries management/master plan that integrated all fisheries sub-sectors, multi-stakeholder participation in the planning process)	1-5	
2	Level of the country's capacity to develop a plan towards sustainable fisheries	1-5	
3	Level of sufficiency of the country's systems and mechanisms for collection of statistics and data disaggregated at the species level to support fisheries valuation including monitoring of their performance ( <i>e.g.</i> existing programs on data collection)	1-5	
4	Level of the country's capacity to establish reference points for the management of fish stocks ( <i>e.g.</i> biomass, MSY, ABC, TAE, spawning potential ratio (SPR), minimum length (especially for blue swimming crab))	1-5	
5	a. Level of the country's capacity to collect data and information on aquatic species under international concern ( <i>e.g.</i> sharks, rays, sea turtles, catadromous eels, aquatic mammals)	1-5	Please specify all species 1) _____ 2) _____
	b. Level of the country's application of SOPs to harmonize/standardize data collection methods for species under international concern	1-5	
6	Level of applicability of regional fishery information systems and mechanisms to facilitate sharing, exchange, and compilation of statistics and information that are harmonized with international statistical standards to the country's fishery information systems and mechanisms ( <i>e.g.</i> data and information digitization programs)	1-5	
7	Level of sharing of relevant statistics and fisheries-related data and information between the country's fisheries agency and other authorities ( <i>e.g.</i> in-country coordination)	1-5	
8	Level of the country's application of simple and practical indicators for planning, monitoring, and evaluation of fisheries	1-5	
9	Level of the country's sharing/exchanging of information on research findings, good practices, and experiences among countries and regional institutions	1-5	

## B. Fisheries Management

POA-2030 No.	Indicators	Rating	Additional information ( <i>e.g.</i> means of verification)
10	Level of timeliness of the country's reviewing and updating of national fisheries policies, legal and institutional frameworks in consultation with stakeholders	1-5	
11	Level of the country's acceleration of the development of fisheries management plans for conservation and management	1-5	

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
12	Level of the country's implementation of measures to prevent unauthorized fishing and eliminate illegal fishing practices	1-5	
13	Level of the country's implementation of comprehensive policies for fisheries management	1-5	
14	Level of the country's application of fisheries management approaches (e.g. co-management, EAFM, among others)	1-5	
15	Level of capacity of the country's fisheries communities and capability of fisheries-related organizations to implement necessary actions to address issues on the well-being of fishers	1-5	
16	Level of participation of the country's local communities and fisheries-related organizations in fisheries management	1-5	
17	Level of the country's awareness/perception of the need to develop financial incentives (e.g. micro-credit) for small-scale stakeholders and cooperatives for the responsible development of fisheries enterprises and developmental activities that optimize economic returns	1-5	
18	Level of the country's application of energy-efficient technologies for fishing gears fishing vessels, and fishing operations	1-5	
19	a. Level of sufficiency of the country's capable fishing crew and workers in the fishing industry (e.g. enough number of competent fishing crew and workers, programs for new crew members and workers)	1-5	
	b. Level of the country's application of appropriate technologies to optimize the number of crew onboard fishing vessels	1-5	
20	Level of the country's implementation of good and appropriate employment practices in accordance with domestic laws and regulations or relevant international instruments - relevant provisions of ILO Conventions (e.g. C-188)	1-5	
21	Level of capacity of the country's relevant authorities and communities to collaboratively resolve conflicts on resources utilization (e.g. establishment of an authorized multi-stakeholder committee at local level)	1-5	
22	Level of the country's exploration and sustainable exploitation of potential underutilized fishery resources through comprehensive fishery resources surveys in a precautionary manner (e.g. exploitation of deep-sea resources)	1-5	
23	a. Level of the country's implementation of the SSF Guidelines	1-5	

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
	b. Level of the country's effort to collect sex-disaggregated statistics on fishers and fish workers in the fisheries value chain	1-5	
24	Availability of guidelines/regulations/ procedures to facilitate fair distribution of benefits from the intra-regional and international trade of fish and fishery products among small-scale actors along the value chain	Y/N	
25	a. Level of the country's monitoring and assessment of the impacts of climate change on fisheries and aquaculture	1-5	
	b. Level of country's adjustment of existing programs taking into consideration the effects of climate change and natural disasters	1-5	
26	Level of the country's assessment and management of the impacts of aquatic pollution (e.g. marine debris, ALDFG, microplastics) on fisheries and aquaculture	1-5	
27	Level of the country's cooperation with other countries to assess and manage straddling, transboundary, and highly migratory fishery resources, as appropriate (e.g. country's participation in BOBLME, GOT-Fish, RFMOs, bilateral arrangements)	1-5	
<b>Marine Fisheries</b>			
28	Level of the country's implementation of measures and activities to combat IUU fishing activities (e.g. NPOA-IUU, IUU-related information sharing, fishing vessel record database, VMS, port-in & port-out controls, conservation and management measures of relevant RFMOs of which SEAFDEC Member Countries are a member, MCS infrastructure and equipment)	1-5	
29	Level of the country's involvement and participation at regional, sub-regional, and bilateral levels on fisheries management, combating IUU fishing, and MCS network through inter-agency coordination and information sharing (e.g. country's cooperation/coordination with AN-IUU, RPOA-IUU, among others)	1-5	
30	Level of the country's utilization of existing regional frameworks and tools for combating IUU fishing activities (e.g. RFVR, ACDS, and innovative technologies)	1-5	
31	Level of involvement of the country's legal officers in consultative dialogues at regional/sub-regional level to share and exchange information on updated legal and regulatory frameworks to address issues in fisheries management, as applicable	1-5	
32	a. Level of capacity of the country's relevant authorities to implement the requirements of port State measures	1-5	

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
	b. Level of capacity of the country's relevant authorities to implement the requirements of flag State responsibilities	1-5	
33	a. Level of the country's effort to conduct research on the impacts of various fishing gear types and methods on aquatic ecosystems and animal populations	1-5	
	b. Level of country's development and promotion of environment-friendly fishing practices (e.g. low impact and fuel-efficient (LIFE) fishing gears/methods)	1-5	
34	Level of the country's implementation of regional and international guidelines to mitigate bycatch and discard	1-5	
35	Level of the country's promotion of adoption of resource enhancement approaches with appropriate monitoring and evaluation programs (e.g. artificial reefs, restocking programs, mobile hatcheries, habitat restoration)	1-5	
36	Level of the country's application of the fisheries <i>refugia</i> concept	1-5	
37	Level of the country's implementation of approaches to sustainable management of major critical coastal habitats (e.g. mangroves, coral reefs, seagrasses)	1-5	
38	Level of the country's compliance with international standards on safety at sea, decent working conditions, and onboard fishing vessels sanitation	1-5	
39	Level of the country's effort to assess the possible impacts of subsidies on fisheries, particularly on the special requirements and the needs of small-scale fisheries in the region	1-5	
<b><i>Inland Fisheries</i></b>			
40	Level of the country's implementation of comprehensive policies and provision of support to legal and institutional frameworks for inland fisheries (e.g. co-management, rights-based fisheries, ecosystem approach to inland fisheries management)	1-5	
41	Level of awareness of the country's relevant stakeholders of the importance of inland fisheries and of the need to rehabilitate/restore habitats and aquatic species for local food security	1-5	
42	Level of the country's effort to monitor and mitigate the negative impacts of invasive/alien species on the inland ecosystem and biodiversity	1-5	
43	a. Level of coordination among the country's national agencies on multiple utilization of inland water resources to mitigate conflicts among users	1-5	
	b. Level of the country's involvement in sub-regional mechanisms to address transboundary inland fisheries management issues, where applicable	1-5	

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
44	a. Level of the country's effort to promote R&D to understand the migration patterns, spawning grounds and seasons, and nursery grounds of important inland aquatic animals	1-5	
	b. Level of the country's effort to sustain inland fisheries ecosystem health, habitat inter-connectivity, and dry season management	1-5	
45	a. Level of the country's effort to monitor and assess the impacts of construction/ operations of man-made structures on inland waterways	1-5	
	b. Availability of mitigation measures and appropriate conservation and management measures for such impacts	Y/N	
46	a. Level of the country's effort to undertake coordinated planning and management on the use of inland water bodies (e.g. closed and open season regulations, leasable or auction fisheries, special area for conservation and fish <i>refugia</i> (SPEECTRA))	1-5	
	b. Level of capacity of the country's human resources and institutions to implement the plan and manage the use of inland water bodies	1-5	
47	Availability of guidelines to promote the use of practical and simple indicators for inland/floodplain fisheries within the national inland fisheries management framework (provincial/community notifications for inland fisheries measures based on indicators e.g. succession of species, amount of rainfall and water inflow, level and duration of flood, abundance of macro-invertebrates)	Y/N	

### C. Aquaculture

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
48	Level of the country's implementation of programs and policies on aquaculture to address social, economic, and environmental aspects of sustainable aquaculture to improve food security, livelihoods, and employment, and alleviate poverty (e.g. rural aquaculture program)	1-5	
49	Level of the country's implementation of the ASEAN guidelines for environment-friendly and responsible aquaculture and good aquaculture practices	1-5	
50	Level of coordination among the country's national agencies to integrate aquaculture into rural development activities within the context of multiple-use of land and water resources	1-5	

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
51	Level of the country's utilization of advanced technologies for marine and inland aquaculture such as full-cycle breeding and culture of high-value species	1-5	
52	Level of the country's implementation of measures or strategies for responsible, environment-friendly, and sustainable aquaculture	1-5	
53	Level of the country's support for R&D on aquaculture (e.g. genetic resources, impacts of climate change, feed, aquatic animal health management)	1-5	
54	Availability and accessibility of the country's specific pathogen-free broodstock and seeds	Y/N	
55	Level of the country's implementation of aquatic biosecurity measures	1-5	
56	Level of the country's implementation of policies that complement and support fish farmers, hatchery operators, and other stakeholders	1-5	
57	Level of the country's implementation of good and appropriate employment practices in accordance with domestic laws and regulations or relevant international instruments	1-5	
58	Level of the country's awareness/perception of the need to develop financial incentives and micro-credit systems for the responsible development of aquaculture enterprises and developmental activities that optimize economic returns	1-5	
59	Level of the country's implementation of programs/efforts to regulate the introduction and movement of aquatic organisms in accordance with regional and international guidelines (e.g. national measures or SOPs including quarantine measures on the importation of aquatic species)	1-5	
60	Level of the country's implementation of programs/efforts to prevent and control serious disease outbreaks (e.g. R&D, OIE standards, other initiatives following standard procedures)	1-5	
61	Level of the country's capability to diagnose and control aquatic animal diseases (e.g. human resources, assessment and development plan, harmonized diagnostic methods/protocols, laboratories)	1-5	
62	Level of the country's involvement in the implementation of regional warning systems on aquatic animal health and diseases (e.g. compliance with the Regional Technical Guidelines on Early Warning System for Aquatic Animal Health Emergencies)	1-5	
63	Level of the country's prudent usage of legal antibiotics in aquaculture and monitoring of the	1-5	

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
	impacts of antimicrobial resistance on aquatic animals		
64	Level of the country's efficient usage of aquafeeds including use of alternative protein sources to reduce fish meal and other fish-based products <i>e.g.</i> utilization of the Regional Database of Alternative Feed Ingredients in Aquaculture)	1-5	
65	Level of the country's effort to conduct risk assessments of the culture of exotic aquatic species and prevent the escape of high-risk species	1-5	
66	Level of the country's implementation of programs to improve human resource capabilities for responsible aquaculture	1-5	
67	Level of the country's implementation of policies and strategies that enable the aquaculture sector to adopt measures to mitigate the potential impacts of climate change and environmental stressors	1-5	
68	Level of the country's application of the precautionary approach to safeguarding the environment from the over-intensification and expansion of inland, coastal, and offshore aquaculture ( <i>e.g.</i> utilization of tools such as software program to measure carrying capacity)	1-5	
69	Level of the country's effort to conduct risk assessment and R&D related to the use of GMO products in aquaculture	1-5	

#### **D. Optimal Utilization of Fish and Fishery Products**

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
70	Level of country's applicability of technologies to optimize the utilization of catches/farmed products	1-5	
71	Level of the country's effort to promote the production of and preserve the diversity of traditional fish products	1-5	
72	a. Level of the country's effort to implement quality and safety management systems that support the competitive position of ASEAN fish and fishery products in the global markets	1-5	
	b. Level of the country's effort to promote the implementation of the quality and safety management systems among small and medium enterprises	1-5	
73	Level of the country's legislation, and coordinated mechanisms/activities with relevant control agencies throughout the fish value chain ( <i>e.g.</i> product traceability/certification, chain of custody)	1-5	



74	Level of country's implementation/effort to promote and conduct training programs and develop training materials to upgrade the technical skills and competencies of relevant personnel in the public and private sectors on fisheries post-harvest technologies, and food quality and safety management systems	1-5	
75	Level of the country's awareness/perception of the need to develop financial incentives and micro-credit systems for the responsible development of fisheries and aquaculture enterprises and developmental activities that optimize economic returns, specifically for the post-harvest fisheries sub-sector	1-5	
76	Level of the country's implementation of good and appropriate employment practices in accordance with domestic laws and regulations or relevant international instruments	1-5	
77	Level of the country's capability to adopt standards and guidelines for handling fish and fishery products, and implement hygienic fish handling onboard fishing vessels and market places	1-5	

#### E. Fish Trade

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
78	Level of the country's cooperation with other AMSs to implement international standards on the trading of fish and fishery products within the region (e.g. development of regional guidelines relevant to international standards on trading of fish and fishery products, harmonization and standardization of fish trade system including farm/hatchery certification through bilateral agreements or mutual recognition agreement)	1-5	
79	Level of the country's effort to implement the regional/ASEAN standards (e.g. ASEAN GAqP, ASEAN Shrimp GAP, others) on the international trading of fishery and aquaculture products	1-5	
80	Level of the country's implementation of fish trade-related standards (e.g. SPS/TBT measures)	1-5	
81	Level of country's development and implementation of national laws, rules, and regulations on trading of species in accordance with international laws	1-5	
82	Level of the country's cooperation with other AMSs towards common positions that could be reflected in international fish trade-related fora	1-5	
83	Level of the country's engagement of private sector to address trade-related issues and promote/sustain regional and international trade	1-5	
84	Level of the country's implementation of support programs to assist and build the capacity of small-scale producers to comply with standards on safety	1-5	

	and quality of fish and fishery products		
85	Level of the country's effort to assist small-scale producers from both capture fisheries and aquaculture in securing and maintaining access to markets at national, regional, and international levels	1-5	
86	Level of the country's application of traceability systems to certify or validate the information for the whole supply chain	1-5	
87	Level of country's effort to develop/improve branding or eco-labeling of fish and fishery products that demonstrate the eco-friendly and socially acceptable nature of ASEAN products	1-5	

#### **F. Regional and International Policy Formulation**

<b>POA-2030 No.</b>	<b>Indicators</b>	<b>Rating</b>	<b>Additional information (e.g. means of verification)</b>
88	Level of the country's participation and involvement in fisheries-related international fora and technical committees to promote the ASEAN interests at the global level	1-5	

## Template for the Monitoring and Evaluation of the Implementation of RES&POA-2030

### **Background**

SEAFDEC proposed the Concept Note for organizing the Regional Workshop on the Roadmap for Monitoring and Evaluation of the Implementation of the Resolution and Plan of Action on Sustainable Fisheries for Food Security in the ASEAN Region Towards 2030 (RES&POA-2030) during the 53<sup>rd</sup> Meeting of the SEAFDEC Council (53CM) in early 2021. The 53CM supported such idea and suggested SEAFDEC develop and disseminate the key indicators for monitoring and evaluation of the implementation of RES&POA-2030 in order that the AMSs could provide valuable inputs during the Workshop.

The SEAFDEC Secretariat in collaboration with the SEAFDEC Departments developed the indicators that will be used as tools to facilitate the monitoring and evaluation of the implementation of the RES&POA-2030. The indicators were categorized according to the six components of the Plan of Action on Sustainable Fisheries for Food Security for the ASEAN Region Towards 2030 (POA-2030), namely: 1) Planning and Information, 2) Fisheries Management, 3) Aquaculture, 4) Optimal Utilization of Fish and Fishery Products, 5) Fish Trade, and 6) Regional and International Policy Formulation. The detailed POA-2030 could be accessed at <http://hdl.handle.net/20.500.12066/6583>.

This Template will be used to facilitate the monitoring and evaluation of the progress made by the AMSs in the implementation of the POA-2030 by providing inputs and feedback including the rating of indicators and additional information as agreed during the Regional Workshop on Development of the Key Indicators and Detailed Roadmap on 23–24 March 2022.

### **Instruction**

1. The SEAFDEC National Coordinators shall serve as focal persons for the monitoring and evaluation of the implementation of the POA-2030. They shall coordinate with the relevant agencies/institutions within their respective countries to gather relevant information and submit the accomplished Template to the SEAFDEC Secretariat.
2. The monitoring and evaluation are a self-assessment by the AMSs of their implementation of the POA-2030. The AMSs are requested to rate the indicators to determine the level of achievement of POA-2030. In rating the indicators, the AMSs should consider common criteria (*e.g.* national policies, legal frameworks, programs, working mechanisms, human resources, financial resources, among others). However, the criteria for each indicator should be considered as applicable to the respective countries; while additional criteria could be explored, as appropriate. Each indicator should be rated as:

#### **Option 1: rating scale of 1-5**

- 1 = not at all
- 2 = at a limited level
- 3 = at a fair level
- 4 = at a good level
- 5 = at an excellent level

#### **Option 2: Yes/No**

If the indicator is not applicable or the country is unable to provide a response, please indicate N/A.

3. The AMSs should provide additional information (e.g. means of verification) for each indicator to ensure that the same set of fundamentals and criteria is maintained during the different timeframes (i.e. in 2021 for the baseline, in 2025 for the mid-term review, and in 2029 for the final evaluation) of the monitoring and evaluation of the POA-2030 .

Country: \_\_\_\_\_

Timeframe:  Baseline 2021       Mid-term Review 2025       Final Evaluation 2029

POA-2030 No.	Indicators	Rating	Additional information (e.g. means of verification)

**Timeline for the Monitoring and Evaluation of the Implementation of  
the RES&POA-2030**

<b>Date</b>	<b>Activities</b>	<b>Responsibilities</b>
23–24 Mar 2022	Regional Workshop on Development of the Key Indicators and Detailed Roadmap for Monitoring and Evaluation of the Implementation	SEAFDEC and ASEAN-SEAFDEC Member Countries
April 2022	Conduct the trial exercise to provide inputs and comments on the draft indicators, rating, and additional information	AMSs
Mid-May	Provide the feedback on the trial exercise to the SEAFDEC Secretariat	AMSs
May 2022	Report the results of the Regional Workshop to the 54 <sup>th</sup> Meeting of SEAFDEC Council	SEAFDEC SEC
June 2022	Regional Workshop on the Finalization of Indicators to Monitor and Evaluate the Implementation of the RES&POA-2030	SEAFDEC and ASEAN-SEAFDEC Member Countries
Jul-Sep 2022	Compile inputs and accomplish the Template for the Monitoring and Evaluation of the Implementation of RES&POA-2030 (Baseline 2021)	AMSs
Sep 2022	Submit the accomplished Template for the Monitoring and Evaluation of the Implementation of RES&POA-2030 (Baseline 2021) to SEAFDEC Secretariat	AMSs
Nov 2022	Report the results of the Regional Workshop to the 45 <sup>th</sup> Meeting of the Program Committee	SEAFDEC SEC
2023	Report the results of the Regional Workshop to the 55 <sup>th</sup> Meeting of the SEAFDEC Council	SEAFDEC SEC
2025	Accomplish the Template for the Monitoring and Evaluation of the Implementation of RES&POA-2030 (Mid-term Review 2025)	AMSs
2025	Regional Workshop on the Mid-term Review of the Implementation of the RES&POA-2030	SEAFDEC and ASEAN-SEAFDEC Member Countries
2025	Report the results of the Regional Workshop to the 48 <sup>th</sup> Meeting of the Program Committee	SEAFDEC SEC
2026	Report the results of the Regional Workshop to the 58 <sup>th</sup> Meeting of the SEAFDEC Council	SEAFDEC SEC
2029	Accomplish the Template for the Monitoring and Evaluation of the Implementation of RES&POA-2030 (Final Evaluation 2029)	AMSs
2029	Regional Workshop on the Final Evaluation of the Implementation of the RES&POA-2030	SEAFDEC and ASEAN-SEAFDEC Member Countries
2029	Report the results of the Regional Workshop to the 52 <sup>nd</sup> Meeting of the Program Committee	SEAFDEC SEC
2030	Report the results of the Regional Workshop to the 62 <sup>nd</sup> Meeting of the SEAFDEC Council	SEAFDEC SEC

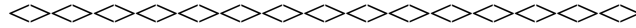


**CLOSING REMARKS**

*Dr. Koichi Honda*

SEAFDEC Deputy Secretary-General

**RES&POA-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap**  
*23-24 March 2022*



Distinguished delegates from the ASEAN-SEAFDEC Member Countries,  
My colleagues from SEAFDEC,  
Ladies and gentlemen, good afternoon!

After about two days of deliberations, the RES&POA -2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap has just been successfully concluded. At the outset, please allow me to thank the delegates from the ASEAN-SEAFDEC Member Countries for involving actively and providing suggestions during the Workshop. With those recommendations on the key indicators and detailed roadmap, we can confidently say that the ASEAN Member States are measuring the performance of their actions towards sustainable development of fisheries in the region. Taking into account the context of what is being measured, these key indicators can assist you to focus on areas that are doing very well, as well as where more capacity building or assistance may be needed. This is an integral process for monitoring and evaluation of the implementation of the Resolution and Plan of Action 2030. SEAFDEC will report the results of this two-day Workshop to the upcoming 54<sup>th</sup> Meeting of SEAFDEC Council in May this year.

Ladies and gentlemen, I am also very grateful to the SEAFDEC staff for the arrangement of this Workshop. With that, I now declare the “RES&POA-2030: Regional Workshop on Development of the Key Indicators and Detailed Roadmap” closed.

Thank you again and good day!