



## SEAFDEC ANNUAL REPORT 2020

### 1. Introduction

SEAFDEC Annual Report has been annually published to publicize activities and achievements of the organization during its fiscal year (1 January to 31 December) for reporting by the Secretary-General to the Council during its annual meeting. Upon the approval of the Council, the Annual Report would be published and distributed to the Member Countries, network libraries, collaborating/partner organizations, as well as to all SEAFDEC Departments for further dissemination.

The structure of the Annual Report had been regularly adjusted to follow the nature of activities of SEAFDEC. Starting from the Annual Report 2018, reporting of SEAFDEC programs has been restructured to follow the SEAFDEC Strategies (*Annex I*) under the “Resolution on the Future of SEAFDEC: Vision, Mission, and Strategies Towards 2030.”

The SEAFDEC Annual Report 2020 would also follow the structure of **SEAFDEC Strategies Towards 2030**, comprising:

- 1) Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region;
- 2) Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region;
- 3) Ensuring the food safety and quality of fish and fishery products for the Southeast Asian region;
- 4) Enhancing trade and compliance of the region’s fish and fishery products with market requirements;
- 5) Addressing cross-cutting issues, such as labor, gender and climate change, where related to international fisheries; and
- 6) Empowering SEAFDEC to strengthen its roles in the region and to improve its services to Member Countries.

### 2. Proposed Structure of SEAFDEC Annual Report 2020:

It is proposed that reporting of SEAFDEC activities, including the FCG/ASSP Projects, Departmental Programs and Other Programs in the SEAFDEC Annual Report 2020 would be categorized based on the SEAFDEC Strategies Towards 2030, as follows:

Part	Subject	Contributor (s)
I.	Executive Summary	Sec (IPC)
	Message from the Chairperson of SEAFDEC Council	
	Message from the Secretary-General	
	List of Acronyms	
	Contents	
	About SEAFDEC	
	SEAFDEC Council in the Year 2020	
	SEAFDEC Senior Officials in the Year 2020	
	Overview of SEAFDEC Programs in 2020	
II.	<b>SEAFDEC Programs of Activities in 2020</b>	

Part	Subject	Contributor (s)
	<b>Strategy 1. Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region</b>	
	<b>1.1 Assessment and management of marine fish stock</b>	
	<ul style="list-style-type: none"> <li>Sustainable Utilization of Fisheries Resources and Resources Enhancement in Southeast Asia (FCG6)</li> </ul>	TD
	<ul style="list-style-type: none"> <li>Fisheries Management Strategies for Pelagic Fish Resources in the Southeast Asian Region (FCG7)</li> </ul>	MFRDMD
	<b>1.2 Assessment and management of inland fisheries</b>	
	<ul style="list-style-type: none"> <li>Management Scheme for Inland Fisheries in the Southeast Asian Region (FCG8)</li> </ul>	IFRDMD
	<ul style="list-style-type: none"> <li>Strengthening the Effective Management of Inland Fisheries and Aquaculture in AMS with GIS and RS Technology (FCG11)</li> </ul>	SEC
	<ul style="list-style-type: none"> <li>Modernizing irrigated agriculture to protect and restore aquatic biodiversity and ecosystem services in South-East Asia (DEPT2)</li> </ul>	IFRDMD
	<ul style="list-style-type: none"> <li>Implementing the Lower Mekong Fish Passage Initiative in Cambodia, Thailand, and Viet Nam (OTHER1)</li> </ul>	TD
	<b>1.3 Compilation of scientific data and information to support policy formulation and management for sustainable fisherie</b>	
	<ul style="list-style-type: none"> <li>Harmonization and Enhancing Utilization of Fishery Statistics and Information (FCG2)</li> </ul>	Sec
	<b>1.4 Development and promotion of regional measures and tools for combating IUU fishing</b>	
	<ul style="list-style-type: none"> <li>Strengthening a Regional Cooperation and Enhancing National Capacities to Eliminate IUU Fishing in Southeast Asia (FCG1)</li> </ul>	TD
	<b>1.5 Promotion of innovative management tools and concepts applicable for the region</b>	
	<ul style="list-style-type: none"> <li>Small-scale Fisheries Management for Better Livelihood and Fisheries Resources (FCG9)</li> </ul>	TD
	<b>1.6 Development and promotion of responsible fishing technologies</b>	
	<ul style="list-style-type: none"> <li>Responsible Fishing Technology and Practice (FCG3)</li> </ul>	TD
	<ul style="list-style-type: none"> <li>Improvement of Fisheries Technology and Reduction of the Impact from Fishing Activities (DEPT1)</li> </ul>	TD
	<b>1.7 Integration of habitat and fisheries management and provision of support for the conservation of important fishery resources</b>	
	<i>Integration of habitat and fisheries management</i>	
	<ul style="list-style-type: none"> <li>Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand (FCG10)</li> </ul>	TD
	<i>Conservation and management of sharks and rays</i>	
	<ul style="list-style-type: none"> <li>Research for Enhancement of Sustainable Utilization and Management of Sharks and Rays in the Southeast Asian Region (FCG4)</li> </ul>	MFRDMD
	<i>Conservation and management of Catadromous eels</i>	
	<ul style="list-style-type: none"> <li>Sustainable Utilization of Anguillid Eels in the Southeast Asian Region (FCG5)</li> </ul>	IFRDMD
	<ul style="list-style-type: none"> <li>Development of Stock Assessment Methods and Strengthening of Resources Management Measures for Tropical Anguillid Eel in Southeast Asia (FCG12)</li> </ul>	SEC
	<i>Conservation and management of neritic tunas</i>	
	<ul style="list-style-type: none"> <li>Results of works related to RPOA-Neritic Tunas (<i>link to other projects</i>)</li> </ul>	MFRDMD
	<i>Conservation and management of Indo-Pacific mackerels</i>	

Part	Subject	Contributor (s)
	<ul style="list-style-type: none"> <li>Results of works related to RAP-Indo-Pacific Mackerels (<i>link to other projects</i>)</li> </ul>	Sec (PPC)
	<b>1.8 Capacity building towards sustainable fisheries</b>	
	<ul style="list-style-type: none"> <li>Promotion on Strengthening of SEAFDEC Visibility and Enhancing Human Capacity Building (DETP9) – Tailor-made Training Program</li> </ul>	TD
	<b>Strategy 2. Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region</b>	
	<b><i>AQD to determine appropriate sub-topics</i></b>	
	<ul style="list-style-type: none"> <li>Sustainable Aquaculture through Cost-Effective Culture Systems, and Prompt and Effective Aquatic Animal Health Management (FCG13)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Quality Seed for Sustainable Aquaculture (DEPT3)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Healthy and Wholesome Aquaculture (DEPT4)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Maintaining Environmental Integrity through Responsible Aquaculture (DEPT5)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Meeting Socio-economic Challenges in Aquaculture (DEPT6)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Adapting to Climate Change Impacts (DEPT7)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Collaborative projects with the Philippine Government (DEPT8)</li> </ul>	AQD
	<ul style="list-style-type: none"> <li>Seminar-Workshop on Aquaculture Development in Southeast Asia (ADSEA) (OTHER3)</li> </ul>	AQD
	<b>Strategy 3. Ensuring the food safety and quality of fish and fishery products for the Southeast Asian region</b>	
	<b>3.1 Promotion of seafood quality assurance systems for fish processing establishments in the region</b>	
	<ul style="list-style-type: none"> <li>Enhancing Food Safety and Competitiveness of Seafood Products (FCG14)</li> </ul>	MFRD
	<b>Strategy 4. Enhancing trade and compliance of the region's fish and fishery products with market requirements</b>	
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	<b>Strategy 5. Addressing cross-cutting issues, such as labor, gender and climate change, where related to international fisheries</b>	
	<b>5.1 Monitoring and enhancing awareness on international fisheries-related issues</b>	
	<ul style="list-style-type: none"> <li>Assistance for Capacity Development in the Region to Address International Fisheries-related Issues (FCG15)</li> </ul>	Sec (PPC)
	<b>5.2 Recognition of the importance of gender equality in the fisheries and aquaculture sector</b>	
	<ul style="list-style-type: none"> <li>Gender Dimension in the Value Chain of Small-scale Fisheries &amp; Aquaculture in Southeast Asia (OTHER4)</li> </ul>	TD
	<b>Strategy 6. Empowering SEAFDEC to strengthen its roles in the region and to improve its services to Member Countries</b>	
	<b>6.1 Extending support and capacity for Member Countries on fishery resource survey</b>	
	<ul style="list-style-type: none"> <li>Fisheries Resource Survey &amp; Operational Plan for M.V. SEAFDEC 2 (FCG16)</li> </ul>	TD

Part	Subject	Contributor (s)
	<b>6.2 Supporting Member Countries in the Implementation of Strategic Action Programme for the South China Sea</b>	
	<ul style="list-style-type: none"> <li>Implementing the Strategic Action Programme for the South China Sea (OTHER2)</li> </ul>	TD
	<b>6.3 Enhancing human resources within the SEAFDEC organization</b>	
	<ul style="list-style-type: none"> <li>SEAFDEC Capacity Development through USAID Sustainable Fish Asia Activity (DEPT10)</li> </ul>	TD
<b>III.</b>	<b>SEAFDEC Programs in the Year 2021</b>	
	<ul style="list-style-type: none"> <li>List of SEAFDEC Programs in 2021</li> </ul>	Sec (IPC)
	<ul style="list-style-type: none"> <li>Short description of each program, describing activities to be undertaken in 2021</li> </ul>	Sec (IPC) for confirmation by Departments
<b>IV.</b>	<b>Cooperation with Donors and Other Organizations in 2020</b>	
	<ul style="list-style-type: none"> <li>Collaboration with International/Regional Organizations, Non-member Governments and Donors</li> </ul>	Sec (IPC) & Dept.
	<ul style="list-style-type: none"> <li>Cooperation with National Agencies of SEAFDEC Member Countries</li> </ul>	Sec (IPC) & Dept.
<b>V.</b>	<b>Enhancing SEAFDEC Visibility in 2020</b>	
	<ul style="list-style-type: none"> <li>Progress in the implementation of Information Strategies for Enhancing SEAFDEC Visibility and Communication in the Year 2020</li> </ul>	Sec (IPC)
<b>VI.</b>	<b>Implementation of SEAFDEC Gender Strategy in 2020</b>	
	<ul style="list-style-type: none"> <li>Progress in the implementation of SEAFDEC Gender Strategy in 2020</li> </ul>	Sec (IPC)
<b>VII.</b>	<b>SEAFDEC Revenues and Expenses in the Year 2020</b>	
	<ul style="list-style-type: none"> <li>Un-Audited Abridged Consolidated Financial Statements-2020</li> </ul>	TD (Finance Officer)
	<ul style="list-style-type: none"> <li>Un-audited contribution received by SEAFDEC from Member Countries and other sources of funds for the year 2019</li> </ul>	“
	<ul style="list-style-type: none"> <li>Other Contributions Received by SEAFDEC in 2020</li> </ul>	“

(List of programs projects in 2020 appears in Annex 2)

### 3. Required inputs from Departments:

SECTION II (Programs 2020), the inputs **must** include information on:

- General **scenario** of the region related to each topic, and **rational** why the project should be undertaken by SEAFDEC;
- General **objectives** and **anticipated results** from the project, *i.e.* how could this contribute to improvement of fisheries sector and benefit to target beneficiaries;
- **ALL activities** implemented under the project, *i.e.* all events, R&D, technical development/improvement, policy development, information generation, etc. – Description should be provided on rationale of the activities, **major outputs** from each activity, and **how these contribute to the project objectives**;
- (Especially for projects that would be completed in 2020, **achievements from the project implementation should be highlighted** (as boxes), *e.g.* technologies or good practices developed and applied, good results from selected project sites, etc.; and

- Relevant **pictures with high resolution** (At least 5 pictures for each project), *e.g.* pictures that represent activities under the project, participants during their attendant to events, publication cover, etc. together with the captions

**SECTION III (Program 2021)**, the Secretariat will extract description of 2021 projects (based on PCM documents), and will circulate to respective Departments for confirmation/comment.

**SECTION IV (Cooperation)**, Department should provide inputs for collaborative organizations, which should include **signing of new collaborative arrangements** during the year, and **collaboration that has important activities** carried out during the year. Inputs should include the agreed scope of collaboration, specific activities undertaken during the year, describing rationale, activities, and benefit from these activities to fisheries development of the region.

Remarks:

- Departmental inputs for **SECTION V (Enhancing SEAFDEC Visibility in 2020)** will be based on ISP compilation (to be updated by the end of January 2021)
- Departmental inputs for **SECTION VI (Implementation of SEAFDEC Gender Strategy in 2020)** will be requested from SDCs at the end of January 2021

#### 4. Timeframe:

Activity	2020	2021					
	Dec	Jan	Feb	Mar	Apr	May	Jun
• Preparation of content (by Secretariat and Departments)							
• <b>Submission of inputs to Secretariat</b>							
• Compilation/harmonization of inputs							
• Circulate draft Annual Report to Departments, accommodate comments							
• Preparation of SG presentation to SEAFDEC Council							
• Submission of final draft Annual Report for approval by the Council					CM		
• Finalization of the content/layout							
• Publishing/dissemination							

Departments are requested to provide inputs for the SEAFDEC Annual Report 2020 by the end of January 2021.

#### 5. Number of copies

Total production = 1,000 copies

The number of copies of SEAFDEC Annual Report that use to be provided to the departments:

Hard copy: TD = 200, MFRD = 40, AQD = 150, MFRDMD = 100, IFRDMD = 100

Electronic copy would also be made available through the website.

## SEAFDEC Strategies Toward 2030

### **Strategy-1: Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region**

- Assessment of important marine fish stocks in the region and development of guidelines on management measures for such fish stocks;
- Assessment of the status of inland fisheries, and compilation of baseline information on policies and regulations related to inland fisheries in the Member Countries;
- Compilation of scientific data and information including local knowledge on both inland and marine fisheries to support policy formulation and management for sustainable fisheries;
- Development and promotion of regional measures and tools for combating IUU fishing;
- Development of innovative management tools and concepts that are applicable for fisheries in the region;
- Development and promotion of responsible fishing technologies, including energy optimization, carbon reduction and reduction of post-harvest losses onboard fishing vessels; and
- Integration of habitat and fisheries management, and provision of support for the conservation of important fishery resources.

### **Strategy-2: Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region**

- Development, verification and promotion of responsible and sustainable aquaculture technologies, to improve the quality of broodstocks and technologies on seed production;
- Finding alternatives to fish meal in feed formulation and promoting the economical use of feeds;
- Development of practical fish health management strategies including the establishment of early warning system for aquatic animal diseases;
- Generation of appropriate technologies for rural aquaculture to provide livelihood and alleviate poverty; and
- Compilation of scientific data and information including local knowledge to support policy on sustainable aquaculture.

### **Strategy-3: Ensuring the food safety and quality of fish and fishery products for the Southeast Asian region**

- Development and promotion of technology to produce high quality, healthy and safe fish and fishery products to meet the international standards;
- Improving endogenous processing technologies to standard or acceptable levels;
- Regular monitoring of chemical and biological contaminants to ensure seafood safety; and
- Promotion of seafood quality assurance systems for fish processing establishments in the region.

### **Strategy-4: Enhancing trade and compliance of the region's fish and fishery products with market requirements**

- Strengthening the cooperation among Member Countries to implement international standards in trade of fish and fishery products within the ASEAN region;
- Development of regional standards, policies and guidelines to enhance intra-regional/international trade; and
- Development and promotion of traceability system for fish and fishery products in the region.

**Strategy-5: Addressing cross-cutting issues, such as labor, gender and climate change, where related to international fisheries**

- Provision of platforms for monitoring and evaluating the impacts of emerging international fisheries-related issues on the fisheries and economic sectors in the region;
- Organizing fora to enhance the awareness of Member Countries on international fisheries-related issues and coordinating the development of the ASEAN Common Positions to address the regional concerns on the issues;
- Monitoring of the possible impacts of and raising awareness on climate change to fisheries and aquaculture, and development of adaptation and mitigation measures in response to such impacts;
- Development of regional initiatives to promote the consideration of environmental and biodiversity conservation issues in fisheries and aquaculture management; and
- Recognition of the importance of small-scale fisheries, welfare of labor in fisheries, safety at sea, and gender equality in the fisheries and aquaculture sector.

**Strategy-6: Empowering SEAFDEC to strengthen its roles in the region and to improve its services to Member Countries**

- Strengthening SEAFDEC's capacity to support the ASEAN's efforts to adopt and implement regional policies and guidelines, as well as ASEAN's efforts to monitor the implementation of such regional policies and guidelines;
- Enhancing the human resource capability of the Member Countries to support, adopt and nationalize regional policies and guidelines;
- Expanding the network with prominent organizations in relevant fields and engaging actively in international fisheries fora;
- Enhancing human resources within the SEAFDEC organization and pooling expertise in the region to improve the performance of SEAFDEC; and
- Promoting SEAFDEC to wider international communities to gain more support from organizations, governments and donors.

**Programs/Projects in 2020  
(Aligned with SEAFDEC Strategies Toward 2030)**

*Projects under FCG/ASSP Mechanism*

SEAFDEC Strategies Toward 2030)	Lead Department	Topics in AR
<b>Strategy-1: Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region:</b>		
1. Strengthening a Regional Cooperation and Enhancing National Capacities to Eliminate IUU Fishing in Southeast Asia	TD	1.4
2. Harmonization and Enhancing Utilization of Fishery Statistics and Information	SEC	1.3
3. Responsible Fishing Technology and Practice	TD	1.6
4. Research for Enhancement of Sustainable Utilization and Management of Sharks and Rays in the Southeast Asian Region	MFRDMD	1.7
5. Sustainable Utilization of Anguillid Eels in the Southeast Asian Region	IFRDMD	1.7
6. Sustainable Utilization of Fisheries Resources and Resources Enhancement in Southeast Asia	TD	1.1
7. Fisheries Management Strategies for Pelagic Fish Resources in the Southeast Asian Region	MFRDMD	1.1
8. Management Scheme for Inland Fisheries in the Southeast Asian Region	IFRDMD	1.2
9. Small-scale Fisheries Management for Better Livelihood and Fisheries Resources	TD	1.5
10. Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in the South China Sea and Gulf of Thailand	TD	1.7
11. Strengthening the Effective Management of Inland Fisheries and Aquaculture in AMS with GIS and RS Technology	SEC	1.2
12. Development of Stock Assessment Methods and Strengthening of Resources Management Measures for Tropical Anguillid Eel in Southeast Asia	SEC	1.7
<b>Strategy-2: Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region</b>		
13. Sustainable Aquaculture through Cost-Effective Culture Systems, and Prompt and Effective Aquatic Animal Health Management	AQD	2
<b>Strategy-3: Ensuring the food safety and quality of fish and fishery products for the Southeast Asian region</b>		
14. Enhancing Food Safety and Competitiveness of Seafood Products	MFRD	3.1
<b>Strategy-4: Enhancing trade and compliance of the region's fish and fishery products with market requirements</b>		
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<b>Strategy-5: Addressing cross-cutting issues, such as labor, gender and climate change, where related to international fisheries</b>		
15. Assistance for Capacity Development in the Region to Address International Fisheries-related Issues	SEC	5.1
<b>Strategy-6: Empowering SEAFDEC to strengthen its roles in the region and to improve its services to Member Countries</b>		
16. Fisheries Resource Survey & Operational Plan for M.V. SEAFDEC 2	TD	6.1



### *Departmental Programs*

Strategies RES-2017	Lead Department	Topics in AR
<b>Strategy-1: Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region:</b>		
1. Improvement of Fisheries Technology and Reduction of the Impact from Fishing Activities	TD	1.6
2. Modernizing irrigated agriculture to protect and restore aquatic biodiversity and ecosystem services in South-East Asia	IFRDMD	1.2
<b>Strategy-2: Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region</b>		
3. Quality Seed for Sustainable Aquaculture	AQD	2
4. Healthy and Wholesome Aquaculture	AQD	2
5. Maintaining Environmental Integrity through Responsible Aquaculture	AQD	2
6. Meeting Socio-economic Challenges in Aquaculture	AQD	2
7. Adapting to Climate Change Impacts	AQD	2
8. Collaborative projects with the Philippine Government	AQD	2
<b>Strategy-6: Empowering SEAFDEC to strengthen its roles in the region and to improve its services to Member Countries</b>		
9. Promotion on Strengthening of SEAFDEC Visibility and Enhancing Human Capacity Building	TD	1.8
10. SEAFDEC Capacity Development through USAID Sustainable Fish Asia Activity	TD	6.3

### *Other Programs*

Strategies RES-2017	Lead Department	Topics in AR
<b>Strategy-1: Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region:</b>		
1. Implementing the Lower Mekong Fish Passage Initiative in Cambodia, Thailand, and Viet Nam	TD	1.2
2. Implementing the Strategic Action Programme for the South China Sea	TD	6.2
<b>Strategy-2: Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region</b>		
3. Seminar-Workshop on Aquaculture Development in Southeast Asia (ADSEA)	AQD	2
<b>Strategy-5: Addressing cross-cutting issues, such as labor, gender and climate change, where related to international fisheries</b>		
4. Gender Dimension in the Value Chain of Small-scale Fisheries & Aquaculture in Southeast Asia	TD	5.2