

**Report of the Regional Workshop on the Study on
Impacts of COVID-19 Pandemic on the Fisheries Sector
of the ASEAN–SEAFDEC Member Countries**

**Bangkok, Thailand
24 February 2021**



Southeast Asian Fisheries of Development Center

The Secretariat

PREPARATION AND DISTRIBUTION OF THIS DOCUMENT

Report of the Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN–SEAFDEC Member Countries, 24 February 2021 was prepared by the Secretariat of Southeast Asian Fisheries Development Center (SEAFDEC). The document is distributed to participants of the meeting, SEAFDEC Member Countries, SEAFDEC Departments and concerned institutions.

BIBLIOGRAPHIC CITATION

SEAFDEC. 2021. Report of the Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN–SEAFDEC Member Countries, 24 February 2021, Southeast Asian Fisheries Development Center. 41pp.

NOTICE OF COPYRIGHT

The publication may not be reproduced, in whole or in part, by any method or process, without written permission from the copyright holder. Application for such permission with a statement of the purpose and extent of the reproduction desired should be made through and address to:

SEAFDEC Secretariat
Suraswadi Building
Kasetsart University Campus
P.O. Box 1046 Kasetsart Post Office
Bangkok 10903, Thailand

All Rights Reserved
©SEAFDEC 2021

CONTENTS

I.	INTRODUCTION	1
I.	OPENING OF THE WORKSHOP.....	1
II.	BACKGROUND, OBJECTIVES, ADOPTION OF AGENDA AND ARRANGEMENT	1
III.	REVIEW OF THE QUESTIONNAIRE OF THE STUDY	1
IV.	DISCUSSION ON THE QUESTIONNAIRE	2
V.	RESULTS OF WORKSHOP DISCUSSION, CONCLUSION, TIMELINE AND WAYS FORWARD.....	2
VI.	CLOSING OF THE WORKSHOP.....	3

Report of the Regional Workshop on the Study in Impacts of COVID-19 on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries

24 February 2021, SEAFDEC Secretariat, Zoom Platform

I. Introduction

1. The Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN–SEAFDEC Member Countries was convened through an online platform on 24 February 2021. The Workshop was attended by National Focal Points (NFPs) from Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Philippines, Thailand and Viet Nam together with their representatives, as well as the SEAFDEC Secretary-General, Deputy Secretary-General, Department Chiefs together with officials from the Secretariat and Training Department (TD), Aquaculture Department (AQD), Marine Fisheries Research Department (MFRD), Marine Fishery Resources Development and Management Department (MFRDMD), and Inland Fishery Resources Development and Management Department (IFRDMD). The List of Participants appears in **Annex 1**.

I. OPENING OF THE WORKSHOP

2. The SEAFDEC Deputy Secretary-General of SEAFDEC, *Mr. Koichi Honda*, welcomed the participants to the Workshop. In his Opening Remarks, he emphasized on the COVID-19 crisis severely disrupted numerous activities widely to all sectors that also to the fisheries sector. He stressed that the crisis have affected at all aspects of the fish supply chain, therefore it is important for SEAFDEC to conduct the comprehensive study on the impacts of COVID-19 pandemic on the fisheries sector of ASEAN–SEAFDEC Member Countries and expected deliverable would be a report that compiled information of fisheries sector have affected from COVID-19 in the region and how fisheries sector adapt to the crisis as well as lesson learned, and technical recommendations in the future support to the fisheries in the region. He encouraged the participants to provide views and suggestions during the discussion. He then declared the Workshop open. His Opening Remarks appears in **Annex 2**.

II. BACKGROUND, OBJECTIVES, ADOPTION OF AGENDA AND ARRANGEMENT

3. The Program Officer of SEAFDEC Secretariat, *Mr. Witsarut Choseng*, introduced the background, objectives and agenda of the Workshop. While informing the Workshop that the study of the impacts of COVID-19 pandemic on the fisheries sector of ASEAN–SEAFDEC Member Countries will be carried out through SEAFDEC proposed draft Questionnaire. He also informed the participants that by the end of the Workshop, the participants would have a clear understand of the questionnaire; come up with the agreed on the questionnaire and timeframe to conduct the study. The Prospectus of the Workshop appears in **Annex 3**. After the introduction of the Provisional Agenda, then the Agenda was adopted without any amendments. The Agenda is shown in **Annex 4**.

III. REVIEW OF THE QUESTIONNAIRE OF THE STUDY

4. The Policy Officer of SEAFDEC Secretariat, *Ms. Sawitree Chamsai*, briefed on the content of the questionnaire of the study of the impacts of COVID-19 pandemic to the

fisheries of the ASEAN–SEAFDEC Member Countries. She briefed that the questionnaire covers various fisheries sectors with the aiming to gather key issues and measures (current, medium and long-term if applicable) taken by private sectors (small and commercial fisheries organizations), financial institutions, and mitigation measures on the impacts of COVID-19 pandemic to the fisheries sectors in the ASEAN–SEAFDEC Member Countries.

5. In this connection, the Workshop noted that SEAFDEC Secretariat will work with the National Focal Points (NFPs) who will serve as a contact person and facilitate the compilation of the inputs within their Countries.

IV. DISCUSSION ON THE QUESTIONNAIRE

6. The Workshop discussed the draft questionnaire of the study, which co-chaired by *Mr. Koichi Honda* and *Dr. Worawit Wanchana* and facilitated by *Ms. Pattaratjit Kaewnuratchadasorn* during the discussion, SEAFDEC explained and provided justification/clarification of each question to NFPs. After deliberation, the Workshop agreed on the revision of the Questionnaire which appears as **Annex 5**.

V. RESULTS OF WORKSHOP DISCUSSION, CONCLUSION, TIMELINE AND WAYS FORWARD

7. The contents of the questionnaire were discussed and revised in according to the comments and clarifications made before by Japan and Thailand as well as those raised at the Workshop.

8. The Workshop noted the concern of the Member Countries on the inputs to Part 1 of the questionnaire (general information) that the availability of official statistical data in some Member Countries which would not be up to date *i.e.* 2020. The Workshop was informed that the latest data either official or unofficial are required by May 2021. In case of the official data would be available after May 2021 could be also submitted as soon as possible. However, communication in details of submission will be bilaterally made between the Secretariat and the Country.

9. It was suggested on necessary actions in order to compile the inputs such as conduct of national consultation (s), or other methods to obtain information/feedback is subject to the situation and resources of respective countries. The National Focal Points of the study were informed that some budget and technical assistances are available upon requested. The procedure for the Member Countries to request such assistances will be a bilateral discussion between SEAFDEC Secretariat and the Country.

10. The Workshop noted on the official nomination of the National Focal Points (NFPs) from nine (9) Member Countries, namely Brunei Darussalam, Cambodia, Indonesia, Japan, Malaysia, Myanmar, Philippines, Thailand and Viet Nam. In this regard, SEAFDEC will communicate with Lao PDR and Singapore for the official nomination of the NFPs. The list of National Focal Points appears in **Annex 6**.

11. The Workshop also noted and agreed the timeline of the study as follows:

3 March 2021	Sending the questionnaire to NFPs
Feb-May 2021	Compilation of inputs by SEAFDEC NFPs
27-28 April 2021	Presentation the progress of the study at the 53 rd Meeting of SEAFDEC Council
30 May 2021	Submission of the completed questionnaire to SEAFDEC
June 2021	Preparation of the draft study report
July 2021	Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN–SEAFDEC Member Countries
August-September 2021	Finalization publishing of the study report

12. The Workshop noted that SEAFDEC Secretariat will send the revised questionnaire to all NFPs by 3 March 2021 and the MCs can start the compilation of the inputs. The accomplished questionnaire would be submitted back to SEAFDEC Secretariat by 30 May 2021.

VI. CLOSING OF THE WORKSHOP

13. *Mr. Koichi Honda*, in his capacity as the Chairperson of the Workshop, extended his gratitude to the participants for their valuable inputs and feedback to the draft questionnaire. He encouraged the Member Countries for the continued cooperation to conduct this important Study. Finally, he declared the Workshop closed. His Closing Remarks appears in **Annex 7**.

LIST OF PARTICIPANTS

BRUNEI DARUSSALAM

Noor Dafinah Haji Jelani (Mrs.)
Senior Fisheries Officer

Department of Fisheries
Muara Fisheries Complex, Simpang 287-53
Jalan Peranginan Pantai Serasa Muara
BT1728, Negara
Brunei Darussalam
Tel: +673 277 2787
Fax: +673 277 1063
E-mail: noordafinah.jelani@fisheries.gov.bn

Cristalina Jalil Marsa (Dr.)
Senior Fisheries Officer

Department of Fisheries
Muara Fisheries Complex, Simpang 287-53
Jalan Peranginan Pantai Serasa Muara
BT1728, Negara
Brunei Darussalam
Tel: +673 277 2787
Fax: +673 277 1063
E-mail: cristalina.jalil@fisheries.gov.bn

Emma Farhana Abdul Pakar (Mrs.)
Fisheries Officer

Department of Fisheries
Muara Fisheries Complex, Simpang 287-53
Jalan Peranginan Pantai Serasa Muara
BT1728, Negara
Brunei Darussalam
Tel: +673 277 2787
Fax: +673 277 1063
E-mail: emmafahana.pakar@fisheries.gov.bn

CAMBODIA

Ngin Kamsan
Vice Chief of Crocodile Conservation and
Industry Development

Department of Planning
Finance and International Cooperation
Fisheries Administration (FiA), MAFF
#186, Preah Norodom Blvd.
Sangkat Tonle Bassac, Khan Chamkar Mon
Phnom Penh, P.O. Box 582 Cambodia
E-mail: nginkamsan@gmail.com

INDONESIA

Sitti Hamdiyah (Ms.)
Coordinator for Regional and Multilateral
Cooperations

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia

Tel: (+6221) 3519070
Fax: (+6221) 3864293

Saifullah
Coordinator for Fisheries Medium Enterprises

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia
Tel: (+6221) 3519070
Fax: (+6221) 3864293

Muhammad Fathoni
Policy Analyst for Fish and Fisheries Product
Marketing

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia
Tel: (+6221) 3519070
Fax: (+6221) 3864293

Trias Alamsasi (Ms.)
Policy Analyst for foreign cooperation

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia
Tel: (+6221) 3519070
Fax: (+6221) 3864293

Hendri Kurniawan
Policy Analyst for Regional Cooperation

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia
Tel: (+6221) 3519070
Fax: (+6221) 3864293

Muhammad Febrianoer
Policy Analyst for Foreign Cooperation

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia
Tel: (+6221) 3519070
Fax: (+6221) 3864293

Alza Rendian
Regional Cooperation Analyst

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia
Tel: (+6221) 3519070
Fax: (+6221) 3864293
E-mail: nc.indonesia@gmail.com>

Ridho Rahmadi
Regional Cooperation Analyst

Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta
10110
Indonesia

Tel: (+6221) 3519070

Fax: (+6221) 3864293

JAPAN

Teruo Kitade
Assistant Director and
SEAFDEC National Coordinator
International Affairs Division

Fisheries Agency of Japan, Government of
Japan
1-2-1 Kasumigaseki Chiyoda-ku
Tokyo, Japan 100-8907
Tel/Fax: +813 3503 8971
E-mail: teruo_kitade850@maff.go.jp

LAO PDR

Akhane Phomsouvanh
Director,
Division of Planning and Cooperation and
SEAFDEC National Coordinator

Department of Livestock and Fisheries
P.O. Box 6644, Vientiane 01000
Lao PDR
Tel/Fax: +856 21 215243
E-mail: akhane@live.com

MALAYSIA

Yazeereenbinti A. Bakar (Ms.)
Head of Fisheries Data Collection Section
Planning and Development Division

Department of Fisheries Malaysia
Level 2 Block 4G2, No 30
Persiaran Perdana, Precinct 4
62628 Putrajaya, Malaysia
E-mail: yazeereen@dof.gov.my

Lim Ai Gaik (Ms.)
Head of Planning Section Planning and
Development Division

Department of Fisheries Malaysia
Level 2 Block 4G2, No 30
Persiaran Perdana, Precinct 4
62628 Putrajaya, Malaysia
E-mail: aigaik@dof.gov.my

Noor Mahyabinti Yusof (Ms.)
Head of Planning Section Planning and
Development Division

Department of Fisheries Malaysia
Level 2 Block 4G2, No 30
Persiaran Perdana, Precinct 4
62628 Putrajaya, Malaysia
E-mail: maya_yusof@dof.gov.my

PHILIPPINES

Imelda R. Calixto (Ms.)
Senior Aquaculturist

Inland Fisheries and Aquaculture Division
Bureau of Fisheries and Aquatic Resources
PCA Building, Elliptical Road
Diliman Quezon City, Philippines
E-mail: islandcumromance@gmail.com
bluemarley2k@yahoo.com

Napoleon S.J. Lamarca
Supervising Aquaculturist

Marine Fisheries Development and Vessel
Operations Center
Bureau of Fisheries and Aquatic Resources
PCA Building, Elliptical Road
Diliman Quezon City, Philippines
E-mail: napolamarca@yahoo.com

Joeren Yleana
Senior Aquaculturist

Capture Fisheries Division
Bureau of Fisheries and Aquatic Resources
PCA Building, Elliptical Road
Diliman Quezon City, Philippines
E-mail: joerenyleana@yahoo.com

Jennifer G. Viron (Ms.)
Senior Fishing Regulation Officer

Bureau of Fisheries and Aquatic Resources
PCA Building, Elliptical Road
Diliman Quezon City, Philippines
E-mail: jennyviron@gmail.com

Marites M. Chiuco (Ms.)
Chief Planning

The National Fisheries Research and
Development Institute (NFRDI), Philippines
E-mail: mariteschiuco@gmail.com

THAILAND

Theerawat Samphawamana
Chief of International Organization and
Multilateral Cooperation Group,
Fisheries Foreign Affairs Division

Department of Fisheries
50 Phaholyothin Road, Latyao
KasetKlang, Chatuchak
Bangkok 10900, Thailand
Tel: +669 5416 4777
Fax: +662 562 0529
E-mail: theerawatdof@gmail.com

Saiklang Srisamran (Ms.)
Fisheries Biologist

Department of Fisheries
50 Phaholyothin Road, Latyao
KasetKlang, Chatuchak
Bangkok 10900, Thailand
Fax: +662 562 0529
E-mail: ss.srisamran@gmail.com

VIET NAM

Nguyen Thi Hong Nhung (Ms.)
Official of Science, Technology and
International Cooperation Department

Technology and International cooperation
Department
Directorate of Fisheries
Ministry of Agriculture and Rural
Development 10 Nguyen Cong Hoan, Ba-Dinh
Hanoi, Viet Nam
E-mail: nhung.doa@gmail.com

SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER (SEAFDEC)

Secretariat

Malinee Smithrithee (Ms.)
Secretary-General and Chief

P.O. Box 1046, Kasetsart Post Office
Bangkok 10903, Thailand
Tel: + 66 29406326
Fax: +66 29406336
Email: sg@seafdec.org

Dr. Koichi Honda
Deputy Secretary-General and Deputy Chief

E-mail: dsg@seafdec.org

Masanami Izumi
Senior Expert and Special Advisor

E-mail: izumi@seafdec.org

Takatsugu Kudoh
Assistance Project Manager for Japanese Trust
Fund

E-mail: atfm@seafdec.org

Dr. Worawit Wanchana
Policy and Program Coordinator

E-mail: worawit@seafdec.org

Nualanong Tongdee (Ms.)
Information Program Coordinator

E-mail: nual@seafdec.org

Virgilia T. Sulit (Ms.)
Fisheries Technical Officer

E-mail: sulit@seafdec.org

Dr. Shiela Villamor Chumchuen (Ms.)
Technical Writer/Editor

E-mail: shiela@seafdec.org

Pattaratjit Kaewnuratchadasorn (Ms.)
Senior Policy Officer

E-mail: pattaratjit@seafdec.org

Saivason Klinsukhon (Ms.)
Senior Information Officer

E-mail: saivason@seafdec.org

Sawitree Chamsai (Ms.)
Policy Officer

E-mail: sawitree@seafdec.org

Witsarut Choseng
Program Officer

E-mail: witsarut@seafdec.org

Satana Duangsawasdi
Information Officer II

E-mail: satana@seafdec.org

Matinee Boonyintu (Ms.)
Senior Administrative Officer

E-mail: matinee@seafdec.org

Training Department (TD)

Isara Chanrachkij

Project Planning and Management Division
Head

P.O. Box 97, Phrasamutchedi Post Office
Samutprakan 10290, Thailand
Tel: + 66 24256100
Fax: +66 24256110
E-mail: isara@seafdec.org

Sukchai Arnupapboon

Acting Research and Development Division
Head

E-mail: sukchai@seafdec.org

Jariya Sornkliang (Ms.)

Fisheries Management Scientist

E-mail: jariya@seafdec.org

Thanya lakSuasi (Ms.)

Fisheries Management Section Head

E-mail: thanyalak@seafdec.org

Marine Fisheries Research Department (MFRD)

Ong Yihang

Chief of SEAFDEC/MFRD

Singapore Food Agency
52 Jurong Gateway Road
10 Perahu Road
Singapore 718837
Tel/Fax: +65 6795 0823
E-mail: Ong_Yihang@sfa.gov.sg

SiokHiang CHIA

E-mail: chia_siok_hiang@sfa.gov.sg

Aquaculture Department (AQD)

Dr. Sayaka Ito

Deputy Chief

Main Office:
Tigbauan Main Station (TMS)
Brgy Buyu-an, Tigbauan
Iloilo 5021, Philippines
Tel: +63 33 330 7003
Fax: +63 33 330 7002
E-mail: akasya@seafdec.org.ph

Joesyl Marie dela Cruz (Ms.)

Special Departmental Coordinator

E-mail: JMdelaCruz@seafdec.org.ph

Marine Fishery Resources Development and Management Department (MFRDMD)

Dr. Ahmad Ali

Chief of SEAFDEC/MFRDMD

Taman Perikanan Chendering
21080 Kuala Terengganu
Terengganu, Malaysia
Tel: +60 9617 5940

Fax: +60 9 617 5136
E-mail: aaseafdec@seafdec.org.my

Dr. Masaya Katoh
Deputy Chief

E-mail: katoh@seafdec.org.my

Mazalina Ali (Ms.)
Special Departmental Coordinator

E-mail: mazalina@seafdec.org.my

Inland Fishery Resources Development and Management Department (IFRDMD)

Dr. Arif Wibowo
Chief of SEAFDEC/IFRDMD

Jl. Gubernur H.A. Bastari No.8
Jakabaring, Palembang,
Sumatera Selatan– 30252, Indonesia
Tel: +62 711 564 9600
E-mail: chief@seafdec.id

Dr. Toshiya Suzuki
Deputy Chief

E-mail: deputy_Chief@seafdec.id
suzukikit@affrc.go.jp

Dr. Siswanta Kaban
Special Departmental Coordinator

E-mail: wanta_kaban@yahoo.co.id

OPENING REMARKS

*By Mr. Koichi Honda
SEAFDEC Deputy Secretary-General*

Good morning ladies and gentlemen,

I am pleased to welcome you to the Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries.

First, I would like to thank everyone here in this room and those who are virtually connected. As we all know that the COVID-19 pandemic has severely disrupted numerous activities around the world, the entire human population has faced health, economic, environmental, and social challenges. The fisheries sector has also been affected and confronted with direct and indirect consequences that require immediate, medium and long-term appropriate actions to cope with the pandemic. Hence, several organizations carried out studies on the impacts of COVID-19 on the fisheries sector such as the FAO global and regional assessment of impacts of COVID-19 on fisheries supply chain. In line with this, SEAFDEC proposes to conduct a comprehensive study on the impacts of COVID-19 pandemic on the fisheries sector of ASEAN-SEAFDEC Member Countries. Considering the suggestions from the ASEAN-SEAFDEC Member Countries, the study should include main information on the impacts of COVID-19, as well as the actions and mitigation measures that have been taken to reduce the impacts on the fisheries sector of the respective countries.

In this connection, this Workshop aims at finalizing the questionnaire that will be used for the study based on the inputs from SEAFDEC Member Countries. In this regard, I would like to encourage everyone to actively take part during the discussion.

With that note, I now declare the Workshop open.

Thank you very much and keep safe.

PROVISIONAL PROSPECTUS

I. Background

The Coronavirus-2019 (COVID-19) was declared a global pandemic by the World Health Organization (WHO) on 11 March 2020 due to alarming levels of spread and severity as well as distressing levels of inaction by some countries. As a result, countries all over the world including those in the Southeast Asian region have taken several measures such as home confinement, travel bans, and business closures in order to control the infection and widespread disease. Such measures, however, resulted in drastic impacts to people's livelihood, and food security, social activities, and economies of the countries at various levels and scales. As for the fisheries sector, measures in response to the COVID-19 have resulted in drastic impacts to relevant activities, ranging from capture fisheries, aquaculture, transportation, post-harvest processing, and to trading of fish and fishery products. Such measures also resulted in impacts on fisheries regulations and management, including monitoring, control and surveillance toward combating illegal, unreported and unregulated (IUU) fishing which has been one of the priorities for several countries in Southeast Asia.

At the global level, FAO in 2020 undertook a study on COVID-19 rapid impacts assessment as well as regional assessment of the food supply chain development. In July 2020, SEAFDEC also conducted a "Webinar on Impact of COVID-19 on Fisheries and Aquaculture in Southeast Asia" that brought together international, regional and national fisheries agencies, and industry representatives, and gathered information on some key impacts of the pandemic on the region's food supply chain of the local, national, regional, and international trade. Although some initial information on the impacts of COVID-19 could be gathered through the past rapid data collection, however, it is viewed that dedicated studies should also be conducted to gather more concrete information on the impacts of COVID-19 to the fisheries sector of the respective ASEAN-SEAFDEC Member Countries, as well as on the actions and mitigation measures that have been taken to mitigate the impacts. SEAFDEC therefore proposes to conduct a more detailed study on the impacts of the COVID-19 pandemic on the fisheries sector of the ASEAN-SEAFDEC Member Countries.

In this connection, SEAFDEC drafted the Concept Proposal of the Study on Impacts of Coronavirus-2019 Pandemic on Fisheries Sector of the ASEAN-SEAFDEC Member Countries, with the aim to share information among the ASEAN-SEAFDEC Member Countries on the impacts and mitigation of the impacts of COVID-19 pandemic on the fisheries sector. In order to obtain information from ASEAN-SEAFDEC Member Countries, SEAFDEC will request the countries to nominate their respective focal persons who will be taken to provide information based on the study framework and questionnaire developed by SEAFDEC. The expected outputs of this study, SEAFDEC will come up with 1) Report on the impacts of COVID-19 pandemic on the fisheries sector of the ASEAN-SEAFDEC Member Countries; 2) Analysis for a long-term implications towards sustainable food security and livelihood (development of Fisheries and Aquaculture: Regional Issues and Policy Responses); and Policy brief on the impacts of the COVID-19 pandemic on the fisheries sector of the ASEAN-SEAFDEC Member Countries.

This study would be implemented and used the budget from the Japanese Trust Fund under the project title "Assistance for Capacity Building Development in the Region to Address

International Fisheries-related Issues”. The budget would be allocated to support the respective countries to undertake necessary works to collect data and provide such data to SEAFDEC based on the study framework and questionnaire.

Timeframe

	2020
Mid of Sep.	Development of Concept Proposal and Draft Study Framework for Impacts of Coronavirus-19 Pandemic on Fisheries Sector of the ASEAN-SEAFDEC Member Countries (completed)
End of Sep.	SEAFDEC Inter-Departmental Workshop to gather views on the conduct of the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries (completed)
10-12 Nov.	Submission of the Concept Proposal to the 43 rd Program Committee Meeting (PCM)
18-19 Nov.	Submission to the 23 rd Meeting of Fisheries Consultative Group of the ASEAN-SEAFDEC Strategic Partnership (FCG/ASSP)
Dec.	Sending of invitation letters to the ASEAN-SEAFDEC Member Countries for the first Regional Workshop, and seeking nomination of the focal points for whom information materials would be provided
	2021
Feb.	Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries
Feb.-May	Compilation of inputs by SEAFDEC National Focal Points
Apr.	Submission of the progress of the Study to the 53 rd Meeting of SEAFDEC Council
May	Submission of inputs from SEAFDEC National Focal Points to SEAFDEC
Jun.	Preparation of the draft Study Report
Jul.	Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries
Aug.-Sep.	Finalization publishing of the Study Report

II. Objectives

The Objectives of the Regional Workshop are:

1. To explain the questionnaire and how to collect the questionnaire of the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries that developed by SEAFDEC
2. To discuss and finalize the questionnaire based on the country’s views

III. Expected outputs

The expected outputs from the Regional Workshop are:

1. National Focal Points understand of this study and this questionnaire
2. Final questionnaire of this study
3. Agreed workplan and timeframe of this study

IV. Date and Venue

The Regional Workshop will be organized on 24 February 2021, 08:30-15:30 (Bangkok Local Time, UTC+07:00) (Zoom platform)

V. Expected Participants

It is expected that the participants of the Regional Workshop will comprise:

1. National Focal Points from SEAFDEC Member Countries
2. Representatives from SEAFDEC Secretariat and Departments

VI. Provisional Agenda and Timetable

1. Opening of the Regional Workshop
2. Background, Objectives, Adoption of Agenda and Arrangement
3. Review of the Questionnaire of the Study
4. Discussion on the Questionnaire
5. Conclusion, Timelines and Way Forward
6. Closing of the Regional Workshop

VII. Contact Persons

1. Dr. Worawit Wanchana, SEAFDEC Secretariat, worawit@seafdec.org
2. Mr. Witsarut Choseng, SEAFDEC Secretariat, witsarut@seafdec.org

PROVISIONAL AGENDA AND TIMETABLE

Time	Agenda	Facilitators/Presenters
08:30-09:00	Signing in the room	Mr. Satana Duangsawasdi and Mr. Witsarut Choseng,
09:00-09:15	Agenda 1: Opening of the Regional Workshop <ul style="list-style-type: none"> • <i>Opening of the Workshop by Deputy Secretary-General of SEAFDEC, Mr. Koichi Honda</i> • <i>Group photo</i> 	MC: Mr. Witsarut Choseng
09:15-09:30	Agenda 2: Background, Objectives, Adoption of Agenda and Arrangement <i>SEAFDEC introduces the background, objectives, provisional agenda and the arrangement of the Workshop. After the consideration and amendment (if any), the Chairperson invites the participants to consider adopting the provision Agenda.</i>	Chairperson: SEAFDEC/DSG – Mr. Koichi Honda Presenter: Mr. Witsarut Choseng
09:30-10:00	Agenda 3: Review of the Questionnaire of the Study <i>SEAFDEC provides information regarding the structure of Questionnaire, and expected outputs of the Study. After the presentation, time will be allocated for general remarks of the participants. Please note that the comments specific to the questionnaire will be discussed under Agenda 4.</i>	Chairperson: SEAFDEC/DSG – Mr. Koichi Honda Presentor: Ms.Sawitree Chamsai
10:00-10:15	<i>Refreshment Break</i>	
10:15-11:30	Agenda 4: Discussion on the Questionnaire <i>Under this Agenda, participants of the workshop are requested to provide comments, clarifications of the Questionnaire, part by part, which comprise</i> <i>Part I: General Information</i> <i>Part II: Capture Fisheries</i> <i>Part III: Aquaculture</i> <i>Part IV: Fish Processing Industry</i> <i>Part V: Fisheries Trade</i> <i>Part VI. Fishery Resources and Coastal Habitats</i> <i>Part VII. Mitigation Measures and Support Programs</i> <i>After the deliberation, it is expected that the workshop could come up with an agreed version of the questionnaire.</i>	Chairperson: SEAFDEC/DSG – Mr. Koichi Honda Facilitator: Ms. Pattaratjit Kaewnuratchadasorn
11:30-13:00	<i>Lunch Break</i>	
13:00-14:30	Agenda 4: Discussion on the Questionnaire (continued)	Chairperson: SEAFDEC Policy and Program Coordinator – Worawit Wanchana Facilitator: Ms.

		Pattaratjit Kaewnuratchadasorn
14:30-14:45	Refreshment Break	
14:45-15:15	<p>Agenda 5: Conclusion, Timelines and Way Forward</p> <p><i>SEAFDEC will</i></p> <ul style="list-style-type: none"> - <i>Conclude the discussion on previous agenda;</i> - <i>Present the support of SEAFDEC in the process to obtain national inputs; and</i> - <i>Present the timeline towards final goal of the study.</i> 	<p>Chairperson: SEAFDEC Policy and Program Coordinator – Worawit Wanchana</p> <p>Facilitator: Ms. Pattaratjit Kaewnuratchadasorn</p>
15:15-15:30	<p>Agenda 6: Closing of the Regional Workshop</p> <ul style="list-style-type: none"> • <i>Closing of the Workshop by Deputy Secretary-General of SEAFDEC, Mr. Koichi Honda</i> 	MC: Mr. Witsarut Choseng

**Study on the Impacts of COVID-19 Pandemic on the Fisheries Sector
of the ASEAN–SEAFDEC Member Countries**
(as of 24 February 2021)

QUESTIONNAIRE

Introduction

The COVID-19 pandemic is a global health crisis and its impacts resulting from national measures (*e.g.* lockdown, people’s social distancing, transport/movement of goods/people within countries and between borders, etc.) comprise the major causes of both temporary and/or long-term needs/changes throughout fish and fishery products supply chain. The Southeast Asian countries, many of which have been providing considerable quantities of fish and fishery products to the world market, have been encountering a number of hindrances not only in terms of the health of their people, but also the increased threats that risk the social and economic conditions of those who are engaged in fisheries and aquaculture.

This questionnaire was prepared by SEAFDEC Secretariat in collaboration with the SEAFDEC Departments. The main purpose of this questionnaire is to gather the key issues and measures (current, medium and long-term if applicable) taken by the private sector (small and commercial fisheries organizations), financial institutions, and government, related to the impacts of COVID-19 pandemic to the fisheries and aquaculture sector of the respective ASEAN–SEAFDEC Member Countries. The outputs of this study would include the key issues on the impacts of COVID-19 pandemic together with a set of policy recommendations on possible actions to be taken by the respective sectors.

Program Period

It is planned that this questionnaire will be released to SEAFDEC Member Countries¹ in early 2021, through the National Focal Points nominated by their respective countries. The compiled information and report of the results of this study will be presented to the SEAFDEC Program Committee Meeting tentatively scheduled in November 2021.

Instruction for the National Focal Points

- The National Focal Points are requested to preliminary communicate with their relevant agencies/institutions in order to prepare feedbacks to the questionnaire, and subsequently conduct a national workshop (optional) to discuss the necessary information that would serve as inputs to this questionnaire. Internal processes to obtain information/feedback would be subject to the situation and resources of respective countries. In addition, other available information such as results from studies conducted, data collected, secondary data, and others are also useful inputs.
- The National Focal Points should facilitate the accomplishment and submission of the questionnaire to SEAFDEC Secretariat by email to **pattaratjit@seafdec.org on 30 May 2021**.

¹ SEAFDEC Member Countries: Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Viet Nam. The rationale to include Japan in this study is because Japan is an important country not only as importer but also as exporter of fish and fishery products.

Keywords: capture fisheries, commercial-scale fisheries and aquaculture, COVID-19 pandemic, distributor, financial obligations, fish stocks, fishing vessels, fisheries manager, loans and payback, lockdown measures, migrant workers, post COVID-19 recovery period, small-scale fisheries and aquaculture, socio-economic, social distancing measures, working conditions, food value chain.

Country	
Name of National Focal Point	
Position/designation	
Unit/Office	
Contact Address	
Telephone	
Email	

PART I. GENERAL INFORMATION

In this part, the focus is given to obtain overview information on fisheries and aquaculture of your country in recent years. The data inputs are mainly from secondary data of fisheries management/technical authorities.

1. Please provide data on quantity (t) and value (USD) of fisheries and aquaculture production in 2018–2020

	Quantity (t)			Value (USD)		
	2018	2019	2020	2018	2019	2020
Total capture fisheries						
Marine capture						
Inland capture						
Total aquaculture						
Inland aquaculture						
Brackishwater culture						
Mariculture						
Ornamental fishes (pcs.)						

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source(s) of official and unofficial data)

2. Please provide data on the international trade of fish and fishery products (top five commodities) of your country in 2018–2020

Note:

- *First, provide the data on the top five commodities based on quantity or value in 2019, then provide the data on such top commodities in 2018 and 2020*
- *Information can also be provided by using the 6-digit HS code for commodity depending on convenient of the country*

	Quantity (t)			Value (USD)		
	2018	2019	2020	2018	2019	2020
Total export						
Commodity 1						
Commodity 2						
Commodity 3						
Commodity 4						
Commodity 5						
Total import						
Commodity 1						
Commodity 2						
Commodity 3						
Commodity 4						
Commodity 5						

*Official data

**Unofficial data

NA: not available

Source(s): (Please provide the source(s) of official and unofficial data)

3. Please provide data on number of active/registered fishing vessels by gear type of your country in 2018–2020

	No. of fishing vessels		
	2018	2019	2020
Total (all fishing vessels)			
Trawl			
Purse seine			
Gillnet			
Hook and line			

*official data by national fishing vessel registration system

**unofficial data

NA: not available

Source(s): (Please provide the source(s) of official and unofficial data)

4. Please provide data on the number of fishery workers in your country in 2018–2020

Note:

- Migrant workers refer to workers from other countries
- If numerical data on both sexes is not available, indicate “stable,” “decreased,” or “increased”
- If numerical sex-disaggregated data is not available, indicate the level of participation of female or male (“more” or “lesser”)

	No. of workers (persons)					
	2018		2019		2020	
	Female	Male	Female	Male	Female	Male
Total (all fishery workers)						
Onboard fishing vessels						
National workers						
Migrant workers						

Aquaculture facilities						
National workers						
Migrant workers						
Fish processing plants/factories						
National workers						
Migrant workers						

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source(s) of official and unofficial data)

5. Please provide data on aquaculture production including top three species of your country in 2018–2020

Note:

- First, provide the data on the top three species based on value in 2019, then provide the data on such species in 2018 and 2020
- Provide the scientific or English/common names of the species

	Quantity (t)			Value (USD)		
	2018	2019	2020	2018	2019	2020
Total (all aquaculture production)						
Species 1						
Species 2						
Species 3						

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source of official and unofficial data)

6. Please provide data on aquaculture production of top three ornamental fishes of your country in 2018-2020

Note:

- First, provide the data on the top three species based on value in 2019, then provide the data on such species in 2018 and 2020
- Provide the scientific or English/common names of the species

	Quantity (pcs.)			Value (USD)		
	2018	2019	2020	2018	2019	2020
Total (all ornamental fish production)						
Species 1						
Species 2						
Species 3						

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source of official and unofficial data)

7. Please provide data on aquaculture seed production of your country in 2018-2020

Note:

- First, provide the data on the top three species based on value in 2019, then provide the data on such species in 2018 and 2020
- Provide the scientific or English/common names of the species

	Quantity (million pcs.)			Value (USD)		
	2018	2019	2020	2018	2019	2020
Total (all aquaculture seed production)						
Species 1						
Species 2						
Species 3						

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source(s) of official and unofficial data)

8. Please provide data on domestic producer price (at wholesale markets or landing centers) of top three species from capture fisheries of your country in 2018-2020

Note:

- First, provide the data on the top three species based on value in 2019, then provide the data on such species in 2018 and 2020
- Provide the scientific and English/common names of the species
- Please specify the price at wholesale markets or landing centers

	Value (USD/kg)		
	2018	2019	2020
Species 1			
Species 2			
Species 3			

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source(s) of official and unofficial data)

9. Please provide data on farm gate prices of top three aquaculture species of your country in 2018-2020.

Note:

- First, provide the data on the top three species based on value in 2019, then provide the data on such species in 2018 and 2020
- Provide the scientific or English/common names of the species

	Value (USD/kg)		
	2018	2019	2020
Species 1			
Species 2			
Species 3			

*official data

**unofficial data

NA: not available

Source(s): (Please provide the source of official and unofficial data)

PART II. CAPTURE FISHERIES

A. Marine capture fisheries

A.1 Small-scale fisheries

Note:

- *The definition of small-scale fisheries may vary in the respective countries*
- *Generally, small-scale fisheries may include subsistence/artisanal/traditional fisheries operating in coastal areas with or without motorized/non-motorized fishing vessels (based on updated SEAFDEC Fishery Statistical Bulletin of Southeast Asia)*

1. What are the COVID-19 restriction measures applied by your country that made impacts on small-scale capture fisheries? Please provide the list and brief descriptions of restriction measures, and period of effectivity.

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

2. What are the apparent impacts of COVID-19 to the small-scale capture fisheries of your country?

Note:

- *For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts*
- *Other indicators may be added, as appropriate*

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Number of people engaged in small-scale capture fishing activities	<u>Sample answer:</u> Decreased due to - Provincial lockdown - Reason 2 - Reason 3 - Reason ...	<u>Sample answer:</u> - Issuance of pass/permit by the local government to small-scale fishers - Adaptation 2 - Adaptation 3 - Adaptation ...
Number of small-scale fishingvessels in operation		
Duration/period of fishing activity		
Cost of fishing operations and vessel (including fuel, ice, bait, fishing materials, equipment, and maintenance cost, etc.)		
Amount of catch per		

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
fishing trip		
Price of catch in wholesale markets/landing centers		
Logistics/access of fishers to markets (transportation, buyers, etc.)		
Income of fishers from fishing activities		
Liquidity and income of fishers from other activities		
Access of fishers to financial assistance		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the changes in the major roles of different gender and marginalized people in terms of their involvement in small-scale fishing activities? Please describe their major roles before and during the COVID-19 situations

Note: If not applicable, indicate "NA"

	Major roles before COVID-19	Major roles during COVID-19
Women		
Men		
Youth*		
Elderly*		
Marginalized people** (specify)		

*Depending on your country's definition of age ranges for youth and elderly (specify)

**Including indigenous communities, migrant workers, temporary workers, persons with disabilities, and others

A.2 Commercial fisheries

1. What are the COVID-19 restriction measures applied by your country that made impacts on commercial capture fisheries? Please provide the list and brief descriptions of restriction measures and period of effectivity.

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

2. What are the apparent impacts of COVID-19 to the commercial fisheries of your country?

Note:

- For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts
- Other indicators may be added, as appropriate

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Availability of onboard fishing crew/fish workers		
Number of commercial fishingvessels in operation		
Duration/period of fishing activity		
Cost of fishing operations and vessels (including fuel, ice, bait, fishing materials, equipment, and maintenance cost, etc.)		
Amount of catch per fishing trip		
Price of catch in wholesale markets/landing centers		
Transshipment at sea		
Cold chain system		
Access to fishing ports		
Capacity of cold storage facilities		
Liquidity and income of fishing operators from fishing		
Access of fishing operators to financial assistance		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the changes in the major roles of different gender and marginalized people in terms of their involvement in commercial fishing activities? Please describe their major roles before and during the COVID-19 situations.

Note: If not applicable, indicate "NA"

	Major roles before COVID-19	Major roles during COVID-19
Women		
Men		
Youth*		
Elderly*		
Marginalized people** (specify)		

*Depending on your country's definition of age ranges for youth and elderly (specify)

**Including indigenous communities, migrant workers, temporary workers, persons with disabilities, and others

B. Inland capture fisheries

1. What are the COVID-19 restriction measures applied by your country that made impacts on inland capture fisheries? Please provide the list and brief descriptions of restriction measures, and period of effectivity.

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

2. What are the apparent impacts of COVID-19 to the inland capture fisheries of your country?

Note:

- For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts
- Other indicators may be added, as appropriate

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Number of active fishing vessels in operation		
Number of people engaged in inland capture fishing activities		
Duration/period of fishing activity		
Cost of fishing operations and vessel (including fuel, ice, bait, fishing materials, equipment, and maintenance cost, etc.)		
Amount of catch per fishing trip		
Price of catch in wholesale markets/landing centers		
Logistics/access of fishers to markets (transportation, buyers, etc.)		
Income of fishers from fishing activities		
Liquidity and income of fishers from other activities		
Access of fishers to financial assistance		

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the changes in the major roles of different gender and marginalized people in terms of their involvement in inland capture fishing activities? Please describe their major roles before and during the COVID-19 situations.

Note: If not applicable, indicate "NA"

	Major roles before COVID-19	Major roles during COVID-19
Women		
Men		
Youth*		
Elderly*		
Marginalized people** (specify)		

*Depending on your country's definition of age ranges for youth and elderly (specify)

**Including indigenous communities, migrant workers, temporary workers, persons with disabilities, and others

C. Fisheries Management (Combating IUU Fishing and Fish Stock Assessment)

1. What are the apparent impacts of the COVID-19 pandemic on the implementation of fisheries management measures, particularly on activities to combat IUU fishing and data collection for fish stock assessment of your country?

Note:

- For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts
- Other indicators may be added, as appropriate

Indicators ¹	Impacts ² and reasons ³	Adaptations of national fisheries agencies
Application of innovative technologies to combat IUU fishing (including GIS, remote sensing, etc.)		
Implementation of port State measures		
Implementation of MCS		
Conduct of regular/routine data collection for fishstock assessment		
Monitoring of shared stocks/transboundary species		
Conduct of meetings/workshops (international/regional/national)		
Conduct of research/project activities		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

PART III. AQUACULTURE

1. What are the COVID-19 restriction measures applied by your country that made impacts on aquaculture? Please provide the list and brief descriptions of restriction measures, and period of effectivity.

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

2. What are the apparent impacts of COVID-19 to aquaculture of your country?

Note:

- *For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts*
- *Other indicators may be added, as appropriate*

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Number of people engaged in aquaculture activities		
National workers		
Migrant workers		
Number of operational aquaculture farms		
Access of fish farmers to fish farms		
Duration of cycle of aquaculture (from rearing to harvest)		
Cost and availability of inputs (feeds, fertilizers, chemicals, power, equipment, maintenance, etc.)		
Quantity of production		
Seed production from aquaculture in overall		
Overall production of ornamental fishes		
Farm gate prices of market-size fish, seeds, and ornamental fish (indicate separately)		
Logistics/access of fish		

farmers to domestic/international markets (transportation, buyers, etc.)		
Income of fish farmers from aquaculture activities		
Liquidity and income of fish farmers from other activities		
Access of fish farmers to financial/technical/extension assistance		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the changes in the major roles of different gender and marginalized people in terms of their involvement in aquaculture activities? Please describe their major roles before and during the COVID-19 situations

Note: If not applicable, indicate "NA"

	Major roles before COVID-19	Major roles during COVID-19
Women		
Men		
Youth*		
Elderly*		
Marginalized people** (specify)		

*Depending on your country's definition of age ranges for youth and elderly (specify)

**Including indigenous communities, migrant workers, temporary workers, persons with disabilities, and others

PART IV. FISH PROCESSING INDUSTRY

- 1. What are the COVID-19 restriction measures applied by your country that made impacts on fish processing industries? Please provide the list and brief descriptions of restriction measures, and period of effectivity.**

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

- 2. What are the apparent impacts of the COVID-19 pandemic to the fish processing industry of your country?**

Note:

- *For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts*
- *Other indicators may be added, as appropriate*

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Number of operational fish processing plants/factories		
Availability of workers		
National Workers		
Migrant workers		
Duration of fish processing operations		
Availability of raw materials		
Operation cost (including equipment, power, etc.)		
Processing lines		
Varieties/types/forms/fish commodities of processed fish and fishery products		
Quantity of production		
Price of processed fish and fishery products		
Storage capacity of plants/factories		
Application of product certification schemes		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers,

NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the changes in the major roles of different gender and marginalized people in terms of their involvement in activities in fish processing industries? Please describe their major roles before and during the COVID-19 situations.

Note: If not applicable, indicate “NA”

	Major roles before COVID-19	Major roles during COVID-19
Women		
Men		
Youth*		
Elderly*		
Marginalized people** (specify)		

*Depending on your country’s definition of age ranges for youth and elderly (specify)

**Including indigenous communities, migrant workers, temporary workers, persons with disabilities, and others

PART V. FISHERIES TRADE

A. Domestic Fisheries Trade

Note: Domestic fisheries trade includes any form of trade of fish and fishery products within the country.

- 1. What are the COVID-19 restriction measures applied by your country that made impacts on the domestic fisheries trade? Please provide the list and brief descriptions of restriction measures, and period of effectivity.**

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

- 2. What are the apparent impacts of the COVID-19 pandemic to the domestic fisheries trade of your country?**

Note:

- *For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts*
- *Other indicators may be added, as appropriate*

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Number of operational in domestic markets		
Duration of operation of domestic markets		
Number of fish traders in domestic markets		
Supply of fish and fishery products in domestic markets		
Demand for fish and fishery products in domestic markets		
Selling price of fish and fishery products in domestic markets		
Liquidity and income of fish traders		
Access of fish traders to financial assistance		
Logistics/access of traders to domestic markets		

(transportation, etc.)		
Logistics/access of consumers to domestic markets (transportation, etc.)		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the changes in the major roles of different gender and marginalized people in terms of their involvement in domestic fisheries trade activities? Please describe their major roles before and during the COVID-19 situations.

Note: If not applicable, indicate "NA"

	Major roles before COVID-19	Major roles during COVID-19
Women		
Men		
Youth*		
Elderly*		
Marginalized people** (specify)		

*Depending on your country's definition of age ranges for youth and elderly (specify)

**Including indigenous communities, migrant workers, temporary workers, persons with disabilities, and others

B. International Fisheries Trade

1. What are the COVID-19 restriction measures applied by your country that made impacts on the international fisheries trade? Please provide the list and brief descriptions of restriction measures, and period of effectivity.

COVID-19 restriction measures	Brief description	Period of effectivity (start–end)
1.		
2.		
3.		
...		

2. What are the apparent impacts of the COVID-19 pandemic to the international fisheries trade of your country?

Note:

- For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts

- *Other indicators may be added, as appropriate*

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Logistics/access to international markets		
Demand of international markets (please also specify if there are any changes in demand of fish commodities or volume for export)		
Quantity of exported fish and fishery products		
Value of exported fish and fishery products		
Variety/types/forms/fish commodities of exported fish and fishery products		
Quantity of imported fish and fishery products		
Value of imported fish and fishery products		
Variety/types/forms/fish commodities of imported fish and fishery products		
Traceability of exported/imported fish and fishery products		
Application of product certification schemes		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

PART VI. STATUS OF FISHERY RESOURCES AND AQUATIC HABITATS

1. What are the apparent impacts of the COVID-19 pandemic on the status of fishery resources and aquatic habitats of the country?

Note:

- *For each indicator, describe the impacts of COVID-19 and reasons as well as the adaptations undertaken by the stakeholders in response to such impacts*
- *Other indicators may be added, as appropriate*

Indicators ¹	Impacts ² and reasons ³	Adaptations of stakeholders ⁴
Fishery resources		
Marine (specify)		
Inland (specify)		
Habitats		
Marine (specify)		
Inland (specify)		
Water quality index ⁵		
Endangered aquatic species (specify)		
Others (specify)		

¹Refer to the signs of changes or trends before and during COVID-19 situations

²Due to COVID-19 (may be described as stable, increased, or decreased, as appropriate)

³Refer to the COVID-19 restriction measures

⁴Stakeholders include fishers, fishery workers, fishing operators, fishers' groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

⁵Water quality index refers to one or mixture of these parameters, but not limited to: Category I: Degree of nutrient enrichment (1. Total Nitrogen; and 2. Total Phosphorus; Category II: Direct of nutrient enrichment (Chlorophyll a); Category III: Indirect effects nutrient enrichment (1. Dissolved Oxygen saturation; and 2. Biochemical Oxygen Demand); and Category IV: Human health hazards (*Escherichia coli*). The answer can be described as one of these parameters, or by "improved, stable, getting worst".

PART VII. MITIGATION MEASURES AND SUPPORT PROGRAMS

- 1. What are the national mitigation measures and support programs of the government of your country, which were intended for the fisheries and aquaculture sector in response to COVID-19 pandemic? Please specify and provide brief description for each measure/program, and period of effectivity.**

Mitigation measures/support programs	Brief description	Period of effectivity (start–end)
1.		
2		
3		
...		

- 2. What are the major forms of mitigation measures (e.g. financial and others) provided by the government, non-government, and other sectors to the fisheries and aquaculture stakeholders?**

Sources and support programs	Mitigation measures		Beneficiaries**
	Financial (USD)*	Others	
A. Government agency			
<u>Sample answer:</u> DOF provided financial support under the program “No One is Left Behind”	USD 1,000/fisher for three months	NA	Registered fishers and farmers all over the country
<u>Sample answer:</u> DOF program on fisheries infrastructure	NA	<ul style="list-style-type: none"> • Improved/repai red fishing ports • 	Commercial fishers in X, Y, and Z Provinces
<u>DOF program on fishing technology extension</u>	NA	<ul style="list-style-type: none"> • Provide fishing gears that abide by the regulations 	Small-scale fishers in X, Y, and Z Villages
B. National non-government agency			
...			
C. Others			
...			

*Convert national currency to US dollars (USD)

**Refer to stakeholders including fishers, fishery workers, fishing operators, fishers’ groups, labor groups, traders (wholesalers, retailers, etc.), consumers, national and local government, fisheries agencies, fisheries officers, NGOs, academe, research institutions, financial institutions, relevant non-fisheries sectors, and others, as appropriate

3. What are the contributions of the fisheries and aquaculture sector to alleviate the impacts of the COVID-19 pandemic in the country, and period of effectivity?

Contributions	Brief description	Period of effectivity (start–end)
Example: Fishers donate fish to health workers		
Example: Fishers donate extra produce to the needy		
1.		
2.		
...		

-----**END**-----

Thank you for your kind cooperation.

LIST OF NATIONAL FOCAL POINTS

Country	Name
Brunei Darussalam	Mrs. Noor Dafinah Haji Jelani
Cambodia	Mr. Ngin Kamsan
Indonesia	Ms. Sitti Hamdiyah
Japan	Mr. Teruo Kitade
Lao PDR	Mr. Akhane Phomsouvanh
Malaysia	Ms. Yazeereen binti A. Bakar
Myanmar	Ms. Myat Khine Mar
Philippines	Ms. Imelda R. Calixto
Singapore	Ms. Hui Ching Seow
Thailand	Mr. Theerawat Samplawamana
Viet Nam	Ms. Nguyen Thi Hong Nhung

CLOSING REMARKS

*By Mr. Koichi Honda
SEAFDEC Deputy Secretary-General*

Good afternoon ladies and gentlemen,

After a long day of discussion, the Regional Workshop on the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of the ASEAN-SEAFDEC Member Countries has successfully conducted. I am delighted that we all didan excellent job to finalize the questionnaire through your valuable comments and suggestions.

After this Workshop, I would like to encourage the continued cooperation between all of you and SEAFDEC Secretariat for the successful conduct of the study.

Last but not lease, you all please allows my staff to further communicate with you at the next step in the process toward analysis of the result from this study.

Finally, I would like to extend my gratitude for your effort during the Workshop.

With that, Ladies and Gentlemen, I now declare this Workshop closed.

Thank you very much and keep safe.