



**PROGRESS IN THE IMPLEMENTATION OF
THE INFORMATION STRATEGIES FOR ENHANCING SEAFDEC VISIBILITY AND
COMMUNICATION IN THE YEAR 2020
(As of end of October 2020)**

SEAFDEC since its establishment has implemented fisheries-related programs/projects covering the aspects of research, training and information. Starting from 1998, the information-related activities of SEAFDEC have been intensified through the formulation of the program on Center-wide Information Network, which aims to serve as a platform for the implementation of the organizational information-related activities. And in order to harmonize the information-related activities undertaken by the SEAFDEC Secretariat and Departments, SEAFDEC has regularly organized the Information Staff Exchange Program (ISEP) with participation of information-related officers from the Secretariat and Departments.

In order to further harmonize the information-related initiatives toward the organizational goal, during the Sixth ISEP Meeting in 2005, the 'Information Strategies for Enhancing SEAFDEC Visibility and Communication' was formulated; and was subsequently endorsed by the 38th Meeting of the SEAFDEC Council in 2006. At the Seventh ISEP in 2006, the Information Strategies was revised to incorporate Key Performance Indicators (KPI) and the revised Information Strategies were also endorsed by the 39th Meeting of SEAFDEC Council in 2007. Since then, the SEAFDEC Secretariat and Departments make use of the Information Strategies as guiding principles in formulating, implementing, and monitoring SEAFDEC information-related activities to enhance the Center's image and visibility to the public. Nevertheless, during the Tenth Meeting of ISEP, the Information Strategies were re-categorized to facilitate better monitoring and report of the progress in the implementation of the information-related activities of SEAFDEC, to comprise:

- Strategy 1:** Production of relevant, timely, and useful information materials to meet the requirements of the target audience
- Strategy 2:** Raising SEAFDEC image at international, regional and national levels
- Strategy 3:** Enhancing communication and information sharing both within SEAFDEC and with Member and non-Member Countries, other international/ regional organizations, and public
- Strategy 4:** Strengthening SEAFDEC capability in information-related activities
- Strategy 5:** Regular monitoring and evaluation of information activities

Nevertheless, as there have been several changes in the forms of information materials throughout the past decade, the Template for Monitoring the Implementation of the Information Strategies for Enhancing SEAFDEC Visibility and Communication had been revised during the SEAFDEC Inter-Department Information Workshop held in early 2018 based on the recommendations made during the 18th ISP Meeting in 2017. Since then SEAFDEC Secretariat and Departments make use the revised Template in order to monitor the progress and achievements in the implementation of the information activities during the year 2018, and discuss information-related activities/initiatives that to enhance the visibility of the Center. The progress and achievements in the implementation of the Information Strategies in 2020 are presented and discussed during the 21st ISP Meeting, and would be later on updated to cover the period from January to December 2020 for reporting to the 53rd Meeting of SEAFDEC Council in 2021.

- Strategy 1: Production of relevant timely, and useful information materials to meet the requirements of the target audience**

- **Production and dissemination of technical materials**

In 2020, a number of technical materials were published and dissemination to target audience, which includes SEAFDEC Member Countries, participants attending in the technical events organized by SEAFDEC Secretariat and Departments, libraries regularly exchanging publications with SEAFDEC, collaborating organizations as well as other relevant international/regional organizations. SEAFDEC also prepared report of events organized by SEAFDEC in response to the directives given by the Member Countries.

Technical materials*	No. of titles	Hard copy		E-copy	
		No. of copies produced	No. of copies distributed	Distributed through e-mail	Downloaded **
Technical/scientific materials	9	2,023	592	2	203
Reports of events organized by SEAFDEC	17	1,339	646	370	2,852
Materials for policy makers	4	1,250	700	-	298
Materials for general public, students and youth	2	2,000	-	-	-
TOTAL	32	6,612	1,938	372	3,353

(List of technical materials, e.g. books, manuals, reports, proceedings, scientific/technical publications, and posters, etc. appears as **Appendix 1**)

* coverage is during the reporting year only

** for publications not intended for sale

The technical materials produced by SEAFDEC from 2016 to 2020 could be summarized as follow:

Technical materials	2016	2017**	2018**	2019	2020***
Number of titles/issues	25	63	49	48	32
No. of hard copies produced	5,518	27,228	28,134	13,919	6,612
No. of hard copies distributed	2,942	9,801	19,041	4,930	1,938
No. of e-copy distributed *	-	-	3,324	3,460	3,725

* Compilation of no. of e-copy started in 2018

** In 2017 and 2018, number of copies produced of technical/scientific materials was high due to reprinting of several technical materials of AQD.

*** In 2020, number of copies distributed of technical/scientific material was reported as actual plan for dissemination but Secretariat find difficulty for sending all publication due to COVID-19

- **Technical videos**

Department	No. of titles	Hard copy		No. of online views
		No. of copies produced	No. of copies distributed	
Secretariat	-	-	-	-
TD	13	-	-	162
MFRD	-	-	-	-
AQD	25	-	-	800
MFRDMD	-	-	-	-
IFRDMD	-	-	-	-
TOTAL	38	-	-	962

(List of technical videos appears as **Appendix 2**)

Remarks: Only videos posted during the reporting year, e.g. in SEAFDEC websites, Youtube, Facebook

- **Development of technical/scientific articles published in technical/scientific journals/proceedings**

In terms of technical/scientific articles, the number of articles developed by SEAFDEC that were published in journals/proceedings (both SEAFDEC and non-SEAFDEC publications) include:

Technical/scientific articles	No. of Titles
Published in SEAFDEC publications (Fish for the People-3 issues of 2020, Special Report in SEAFDEC Newsletter Vol.41 No.4 and Vol.42 No.1-3)	16
Published in non-SEAFDEC publications	34
TOTAL	50

(List of technical/scientific articles published in scientific journals/proceedings (SEAFDEC and non-SEAFDEC publications) appears as **Appendix 3**)

The technical/scientific articles developed by SEAFDEC from 2016 to 2020 could be summarized as follow:

Technical/scientific articles	2016	2017	2018	2019	2020
Total number of articles Published in SEAFDEC Publications	33	46	17	26	16
Total number of articles Published in non-SEAFDEC Publications	24	27	31	38	34
TOTAL	57	73	48	64	50

- **Number of queries, record of sale of the materials, and number of citations**

	Number of query for information through libraries	Number of Sells	Number of Citations*
Secretariat	n/a	n/a	n/a
TD	2	-	n/a
MFRD	n/a	n/a	n/a
AQD	4,447	376	WOS = 19,881 (Scopus = 16,822)
MFRDMD	15	Not for sale	158
IFRDMD	-	-	18
TOTAL	2,309	376	20,057

Remarks: n/a = not available as the number was not recorded as the materials were published and given out for free either for promotional purpose or on a complimentary basis

* Citations during the reporting year for all publications (including those published in previous years) Using Clarivate Analytics-Web of Science Core Collection (Number of Articles)

Strategy 2: Raising SEAFDEC image at national, regional and international levels

- **Production and dissemination of promotional materials**

During the year 2020, SEAFDEC Secretariat and Departments produced and distributed materials that aim to promote the activities and visibility of the Center, which could be summarized as follows:

Promotional publications	No. of titles/ issues	Hard copy		E-copy	
		No. of copies produced	No. of copies distributed	Distributed through e-mail	Downloaded
Annual Reports, Highlights	3	1,005	905	-	97
Newsletters, Periodical Publications	11	11,435	10,035	3,928	954
Promotional Publications	13	5,000	2,000	-	1,604

Promotional publications	No. of titles/ issues	Hard copy		E-copy	
		No. of copies produced	No. of copies distributed	Distributed through e-mail	Downloaded
(books, flyers, brochures, calendar)					
Promotional CD, VCD	-	-	-	-	-
Promotional Posters	-	-	-	-	-
TOTAL	27	17,440	12,940	3,928	2,655

(List of promotional publications appears as **Appendix 4**)

The promotional materials produced by SEAFDEC from 2016 to 2020 could be summarized as follow:

Promotional Materials	2016**	2017***	2018	2019	2020****
Number of titles/issues	55	40	31	25	27
No. of hard copies produced	56,065	70,510	36,519	28,494	17,440
No. of hard copies distributed	47,050	31,225	27,291	20,357	12,940
No. of e-copy distributed*	-	-	11,361	9,112	6,583

* Compilation of no. of e-copy started in 2018

** In 2016, number of titles/issues was high due to high number of promotional material produced by TD

*** In 2017, number of hard copies produced was high because some technical materials of AQD reprinted.

**** In 2020, number of copies distributed of promotional material was reported as actual plan for dissemination but Secretariat find difficulty for sending all publication due to COVID-19

- Production and dissemination of promotional materials and souvenirs**

During the year 2020, SEAFDEC Secretariat and Departments produced and distributed materials that aim to promote the activities and visibility of the Center, which could be summarized as follows:

Department	No. of items produced	No. of items distributed
Secretariat	200	200
TD	-	-
MFRD	-	-
AQD	-	-
MFRDMD	-	-
IFRDMD	172	172
TOTAL	372	372

(List of promotional publications appears as **Appendix 5**)

- Promotional videos**

During the year 2020, SEAFDEC Secretariat and Departments produced and distributed materials that aim to promote the activities and visibility of the Center, which could be summarized as follows:

Department	No. of titles	Hard copy		No. of online views
		No. of copies produced	No. of copies distributed	
Secretariat	-	-	-	-
TD	22	-	-	287
MFRD	-	-	-	-
AQD	-	-	-	-
MFRDMD	-	-	-	-
IFRDMD	-	-	-	-
TOTAL	22	0	0	287

(List of promotional publications appears as **Appendix 6**)

- **Website established and administered by SEAFDEC**

SEAFDEC Secretariat and Departments established and administered websites in order to enhance the SEAFDEC image at international, regional and national levels, which could be summarized as follows:

Website name	No. of unique visitors	No. of referral links	Department
Main website			
www.seafdec.org	15,597	905	Sec
www.seafdec.or.th	6,934	3	TD
www.seafdec.org.ph	42,874	18,553	AQD
www.seafdec.org/mfrd/	897	-	MFRD
www.seafdec.org.my	3,007	47	MFRDMD
www.seafdec.id	1,298	307	IFRDMD
TOTAL*	70,607	19,815	

* Total is calculated only from SEAFDEC main websites (including total during reporting year)

The total visitors to SEAFDEC main websites, links from other websites and number of download from 2016 to 2020 could be summarized as follow:

	2016	2017	2018	2019	2020
Total visitors to SEAFDEC main websites	104,436	94,813	109,778	105,701	70,607
Number of referral links	5,085	6,074	10,655	9,846	19,815

- **Project websites established and administered by SEAFDEC and relevant partners**

SEAFDEC Secretariat and Departments established project websites and administered by SEAFDEC and relevant partners in order to disseminate information on the respective project to public, which could be summarized as follows:

Website name	No. of unique visitors	No. of referral links	Department
http://www.asspfisheries.net/	314	113	Sec
http://www.seafdec.org/projects-news/ (SEAFDEC-Sweden Project)	73	-	Sec
SEAFDEC <i>Refugia</i>	1,038	3	TD
Neritic Tunas in Southeast Asia	398	-	TD

- **Social media administered by SEAFDEC**

SEAFDEC Secretariat and Departments established and administered social media in order to enhance the SEAFDEC image at international, regional and national levels, which could be summarized as follows:

Social Media	No. of followers/ subscribers	No. of likes	Department
www.facebook.com/seafdec	1,798	1,733	Sec
www.youtube.com/channel/UC2JmSBlkRANx1Nm uoj5Upzg?view_as=subscriber	36	1,349	Sec
www.facebook.com/seafdecsweden	708	697	Sec
www.facebook.com/SEAFDECTrainingDepartment/ https://www.youtube.com/c/SEAFDEC%20Training Department	3,719	3,662	TD
	220	34,980	TD
www.facebook.com/seafdec.aqd	12,085	11,692	AQD

Social Media	No. of followers/ subscribers	No. of likes	Department
www.facebook.com/fishworld	740	732	AQD
www.facebook.com/seafdecaqdlb	9,906	9,480	AQD
www.youtube.com/user/SEAFDECAQD	3,320	2,280,000	AQD
www.facebook.com/seafdecfrdmd	105	104	MFRDMD
www.facebook.com/IFRDMD	139	137	IFRDMD
www.instagram.com/seafdecifrdmd	275	300	IFRDMD

- Exhibition arrangements**

During the year, SEAFDEC also arranged a number of exhibitions/poster displays, of which the total number of events and estimated visitors were recorded as follows:

	Total number of exhibition displays (no. of events)	Estimated number of visitors* (person)
Secretariat	-	-
TD	1	3,000
MFRD	-	-
AQD	-	-
MFRDMD	-	-
IFRDMD	-	-
TOTAL	1	3,000

(List of Exhibition and estimated visitors in 2020 appears as **Appendix 7**)

* Estimated no. of visitors to SEAFDEC booths only, not visitors to the whole event

The total number of exhibition displays and estimated number of visitors from 2016 to 2020 could be summarized as follow:

	2016	2017	2018	2019	2020*
Total number of exhibition displays (no. of events)	14	15	9	11	1
Estimated number of visitors (person)	129,053	29,093	113,741	48,786	3,000

** In 2020, number of exhibition displays decreased due to situation of COVID-19

- Press statements and appearance in public media**

As one of the indicator for SEAFDEC image at international, regional and national levels; the number of press statement and appearance in public media and websites during 2020 are summarized as follows:

	Sec	TD	MFRD	AQD	MFRDMD	IFRDMD
Number of press statements officially released by SEAFDEC	-	-	-	26	-	-
Number of appearance in public media (Sub-total)	4	1	0	130	7	1
- Newspaper/magazines *	-	-	-	67	3	-
- Websites	4	1	-	60	3	1
- Radio**	-	-	-	2	-	-
- Television	-	-	-	1	1	-
TOTAL	4	1	0	156	7	1

(List of Press Statements and appearance in Press appear as **Appendix 8** and **Appendix 9**)

* For news on the same event that appears many times in difference newspaper, total number of appearance was reported

** For the same radio spot is broadcasted in the same channel for many days, the appearance was reported only once

The number of press statements and appearance in public media from 2016 to 2020 could be summarized as follows:

	2016	2017	2018*	2019	2020
Number of press statements officially released by SEAFDEC	2	25	45	32	26
Number of appearance in public media and website	53	87	134	152	169

* In 2018, number of press statements and appearance in public media were high due to high number of events organized by AQD

- **Regional common/coordinated position of the region reflected at the international fora**

- There is no regional common/coordinated position reflected at international fora in 2020.

Strategy 3: Enhancing communication and information sharing both within SEAFDEC and with Member and non-Member Countries, other international/regional organizations, and public

- **Extension of library services**

The libraries of SEAFDEC Secretariat, TD, MFRD, AQD and MFRDMD provided information services for their staffs as well as external visitors. For the Secretariat, the library contains publications produced by the Secretariat and Departments, and aimed primarily to serve as reference materials for the staffs and visitors.

The services provided by SEAFDEC Departments include general library services, book loan services (including interlibrary loans), provision of on-line information services through departmental website (for AQD most of information is being digitized and online information services are provided through Web OPAC), etc. These services are envisaged to help enhancing the dissemination and sharing of SEAFDEC information to with Member and non-Member Countries, other international/regional organizations, and public.

For SEAFDEC Departments, the libraries contain reference materials, produced by SEAFDEC and other sources, particularly on the issues that fall under the mandate of the respective department (the libraries also established cooperation and exchange the publications produced by SEAFDEC to other libraries and relevant regional/international organizations all over the world). During the year, the SEAFDEC libraries also received a number of materials to serve as references for staff and visitors. The materials could be summarized as follows:

- **Subscriptions/exchange of library materials**

SEAFDEC Secretariat and Departments enhance the information sharing and exchange of library material with Member and non-Member Countries, other international/regional organizations, and public, of which the information could be summarized as follows:

Library materials acquired/received during the reporting year	Sec	TD	MFRD	AQD	MFRDMD	IFRDMD
Newsletter/serial publications (no. of issues)	21	10	-	202	10	-
Books, report, technical publications (no. of titles)	11	13	-	23	57	-
Audio-visual Materials (no. of items)	-	-	-	-	-	-

- **Information sharing and dissemination**

In addition to library services, SEAFDEC Secretariat and Departments also enhance the information sharing and exchange with Member and non-Member Countries, other international/regional organizations, and public through the exchange library, provision of downloadable materials; and development of databases accessible in the website, of which the information could be summarized as follows:

Department	No. of exchange libraries	Technical publications sent to target groups		Promotional publications sent to target groups		No. of downloadable materials in SEAFDEC websites*	No. of downloads in 2020**
		No. of titles	No. of copies	No. of titles	No. of copies		
Secretariat	180	14	2,470	10	12,700	1,324	81,613
TD	111	-	-	-	-	1,348	20,201
MFRD	-	2	300	1	-	324	5,927
AQD	-	36	376	12	300	1,883	281,493
MFRDMD	20	3	430	-	-	-	3,253
IFRDMD	-	-	-	-	-	-	-
TOTAL	311	55	3,576	23	13,000	4,879	392,487

* accumulated number of materials (including materials from previous years)

** should include downloaded publications from SEAFDEC websites and repositories, but should not include downloaded working papers of SEAFDEC events

- **SEAFDEC Database**

Databases established by SEAFDEC and Departments for sharing of information under specific purposes include:

Database Titles*	URL	Short Description	No. of access in 2020	Department
SEAFDEC Database Fishery Statistics of Southeast Asia	http://map.seafdec.org/NewBulletin/	Database of data from the Fishery Statistical Bulletin of Southeast Asia since 2008 this database presenting the data and information with brief analysis of the regional trend of AMSS	284	TD
Regional Fishing Vessels Record for 24 meters in length and over	http://www.seafdec.or.th/rfvr	RFVR is on sharing of fishing vessels for 24m in length and over into the regional database which aims to support the port state measures for those foreign vessels within the ASEAN Region	17	TD
SAIR	https://repository.seafdec.org.ph	SAIR is the official digital repository of scholarly and research information of SEAFDEC/AQD	629,971	AQD
OPAC (Online public access)	http://opac.seafdec.org.ph	Online Public Access Catalogue	3,258	AQD

Database Titles*	URL	Short Description	No. of access in 2020	Department
catalogue)				
ANI (Aquatic News Index)	https://ani.seafdec.org.ph	Aquatic News Index	6,475	AQD
Regional Database on Alternative Feed Ingredients in Aquaculture	http://afid.seafdec.org.ph/	The directory is composed of the locally available ingredients in the region, test animal (fish species), optimal inclusion level in the feed, nutrients composition, functional properties and the effects on fish performance parameters	301	AQD

* should include database open for public or users' access, including repositories and OPAC, but should not include databases developed for internal use in project management

SEAFDEC Repositories

SEAFDEC repositories were established by SEAFDEC and Departments, to facilitate access to SEAFDEC publications by the Member and non-Member Countries, other organizations and public.

Department	Repository URL	No. of access in 2020	No. of unique visitors in 2020	No. of titles		No. of downloads in 2020
				No. of titles uploaded in 2020	No. of titles accumulated	
Secretariat	http://repository.seafdec.org/	1,759,034	1,759,034	308	1,324	81,613
TD	http://repository.seafdec.or.th/	107,017	104,744	448	1,331	20,184
MFRD	http://repository.seafdec.org/	Use the same with Secretariat repository				
AQD	https://repository.seafdec.org.ph	629,971	559,255	233	3,616	281,493
MFRDMD	Repository.seafdec.org.my	1,619	1,607	102	645	5,260
IFRDMD	Repository.seafdec.id	2,039	103	-	-	

- **Establishment and use of unified e-mail**

The e-mail system were established and used to facilitate communications both among SEAFDEC staffs, and with other contacts. Followings are the e-mail formats used by the SEAFDEC Secretariat and Departments:

Department	E-mail format	Number of e-mail account
Secretariat	name@seafdec.org	21
TD	name@seafdec.org	72
MFRD	name_surname@sfa.gov.sg, or surname_name@sfa.gov.sg	1
AQD	name@seafdec.org.ph	266
MFRDMD	name@seafdec.org.my	41

IFRDMD	name@seafdec.or.id	53
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The following e-groups were also established to facilitate communications (particularly internal communication) among the staff:

E-groups	For	By
secstaff@seafdec.org	All Secretariat staff	Sec
RFPN@seafdec.org	All Regional Fisheries Policy Network (RFPN) members and virtual members	Sec
aseanstat@seafdec.org	Members of the ASEAN Network on Fishery Statistics	Sec
fish@seafdec.org	Channel for communicate on the Special Publication: Fish for the People	Sec
fishwayexperts@seafdec.org	Members of the Experts on Fish Passage	Sec
seafdec-gender@seafdec.org	SEAFDEC experts and SEAFDEC Gender Focal Persons	Sec
SEC STAFF (THAI)	Communication for SEAFDEC Secretariat Thai staff	Sec
SEC STAFF (Repository)	Communication for SEAFDEC Repository	Sec
MCS	Communication for MCS	Sec
tecsehead@seafdec.org	Technical Section Head	TD
tdstaff@seafdec.org	TD Staff	TD
sehead@seafdec.org	TD Section Head	TD
eafm@seafdec.org	EAFM	TD
combat_iuu@seafdec.org	Combat IUU	TD
ahol@seafdec.org.ph	Administrator and lecturers of Distance Learning Course: Basic Principles of Health Management in Aquaculture	AQD
all@seafdec.org.ph	All AQD staff	AQD
anol@seafdec.org.ph	Administrator and lecturers of Distance Learning Course: Principles of Aquaculture Nutrition	AQD
aqd_dost@seafdec.org.ph	AQD staff with projects under Department of Scientist and Technology (DOST)	AQD
asec@seafdec.org.ph	Members of AQD's seminar committee	AQD
budget.monitoring@seafdec.org.ph	Cost center supervisors	AQD
devcom_staff@seafdec.org.ph	AQD staff under Development Communication Section	AQD
execom@seafdec.org.ph	Members of AQD's executive committee	AQD
gojstudyleaders@seafdec.org.ph	Study leaders of AQD's GOJ projects	AQD
housing@seafdec.org.ph	Occupants of AQD's housing	
prc@seafdec.org.ph	AQD senior staff who are the members of Publication Review Committee	AQD
rd_senior_staff@seafdec.org.ph	Senior staff of the Research Division	AQD
sarp@seafdec.org.ph	Members of SARP	AQD
sdp@seafdec.org.ph	Members of the Staff Development Program	AQD
senior_staff@seafdec.org.ph	AQD Chief, Deputy Chief, Division Heads, Section/Unit/Station Heads and Senior Researchers	AQD
tvdd_staff@seafdec.org.ph	AQD staff under the Technology Verification and Extension Division	AQD
all@seafdec.org.my	All MFRDMD Staff	MFRDMD
mfrdmdstaff@seafdec.org.my	Officer and assistant officer	MFRDMD

- **Visitors to SEAFDEC**

The number of people who directly visited SEAFDEC offices was also recorded as one of indicator on communication and information sharing. These were categorized to official visits by Member Countries, Non-member Countries, International/Regional Organizations, as well as the visit by students and general public to SEAFDEC libraries, facilities, etc.

Category	Number of Visitors*						%
	Sec	TD	MFRD	AQD	MD	ID	
Fisheries-related agencies from countries hosting departments	-	-	-	8	14	-	6.34
Fisheries-related agencies from Member Countries (not hosting any department)	12	-	-	-	-	-	3.46
Fisheries-related agencies from non-Member Countries	-	-	-	9	-	-	2.59
International/regional organizations (fisheries and non-fisheries)	10	-	-	2	-	-	3.46
Academe	3	44	-	135	-	-	52.45
Others (public, private sector, NGOs, etc.)	-	12	-	98	-	-	31.70
TOTAL	25	56	-	252	14	-	100

* No. of visitors does not include participants involved in concurrent Department activities such as meetings, training programs, internships, and study tour programs conducted by the Departments or personal visits

The number of visitors to SEAFDEC from 2016 to 2020 could be summarized as follows:

	2016	2017	2018	2019*	2020**
Total number of visitors to SEAFDEC	24,013	23,351	26,381	12,713	347

* In 2019, number of visitor to SEAFDEC decreased due to reducing visitors from AQD

** In 2020, number of visitor to SEAFDEC decreased due to situation of COVID-19

- **SEAFDEC participation to events organized by other organizations**

During 2020, the participation of SEAFDEC officials to the events organized by other organizations at regional/international and national/local levels (number of event and number of person) could be summarized as follows:

	Sec		TD		MFRD		AQD		MFRDMD		IFRDMD	
	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.
Meeting organized by other organizations at regional/international level	19	40	9	28	-	-	5	5	5	7	-	-
Meeting organized by other organizations at national/local level	-	-	7	18	-	-	18	21	3	12	8	50
TOTAL	19	40	16	46	-	-	23	26	8	19	8	50

(See the list of activities organized by other organizations with SEAFDEC participation in **Appendix 10**)

The number of SEAFDEC participation to events organized by other organizations from 2016 to 2020 could be summarized as follows:

	2016	2017	2018	2019	2020
SEAFDEC staff attending meeting organized by other organizations at regional/international level	152	140	172	159	80
SEAFDEC staff attending meetings organized by other organizations at national/local level	291	267	256	171	101
TOTAL	443	407	428	330	181

- **No. of presentations made by SEAFDEC staff at non-SEAFDEC events**

	Sec		TD		MFRD		AQD		MFRDMD		IFRDMD	
	Oral	Poster	Oral	Poster	Oral	Poster	Oral	Poster	Oral	Poster	Oral	Poster
Meeting organized by other organizations at regional/international level	5	-	2	-	-	-	1	-	-	-	-	-
Meeting organized by other organizations at national/local level	-	-	-	-	-	-	7	-	3	-	6	-
TOTAL	5	-	2	-	-	-	8	-	3	-	6	-

- **Meetings, training, etc organized by SEAFDEC**

During 2020, the total number of events organized by SEAFDEC and total number of participants (including SEAFDEC staffs, participants, observers, resource persons, etc.) could be summarized as follows:

Category	Sec		TD		MFRD		AQD		MFRDMD		IFRDMD	
	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.	Evnt.	Per.
SEAFDEC regional/international meetings, seminars, workshops	6	708	10	575	2	58	-	-	-	-	2	41
SEAFDEC national/local meetings, seminars, workshops, consultations, etc.	1	20	3	82	-	-	-	-	5	151	4	188
International/regional training courses	-	-	2	42	-	-	1	14	-	-	-	-
National, on-site training courses (course/trainees)	-	-	8	167	-	-	4	99	3	45	2	106
Study tours (no. of program/trainees)	1	6	-	-	-	-	-	-	4	59	-	-
Internships (group/persons)	-	-	-	-	-	-	1	9	-	-	-	-
On-the-job trainings (students)	-	-	2	4	-	-	1	40	1	8	-	-
SEAFDEC Internal Events	6	127	2	42	-	-	-	-	-	-	-	-
Total	14	861	27	912	2	58	7	162	13	263	8	335

(See the list of activities in **Appendix 11**)

The number of events organized by SEAFDEC from 2016 to 2020 could be summarized as follows:

No. of Events	2016	2017	2018	2019	2020*
SEAFDEC regional/international meetings, seminars, workshops	33	24	39	32	20
SEAFDEC national/local meetings, seminars, workshops, consultations, etc.	12	17	26	19	13
International/regional training courses	7	16	11	23	3
National, on-site training courses (course/trainees)	29	22	26	38	17
Study tours (no. of program/trainees)	2	1	2	5	5
Internships (group/persons)	3	2	9	1	4

No. of Events	2016	2017	2018	2019	2020*
On-the-job trainings (students)	4	8	6	5	4
SEAFDEC Internal Events	10	18	14	17	8
TOTAL	100	108	133	141	74

** In 2020, number of events organized by SEAFDEC decreased due to situation of COVID-19

- **Participation of officials from Member Countries to events organized by SEAFDEC**

Based on the figures in **Appendix 11**, the officials from each SEAFDEC Member Country attending in the events organized by SEAFDEC could also be summarized as follows:

Category	Participants from Member Countries (person)										
	B	C	I	J	L	Ma	My	P	S	T	V
SEAFDEC regional/international meetings, seminar, workshop	23	35	106	48	8	101	63	226	23	164	46
SEAFDEC national/local meeting, seminar, workshop, consultation, etc.	2	25	189	2	0	103	1	0	0	56	1
International/regional training course	13	4	7	0	2	4	4	10	2	4	4
National, on-site training courses (course/trainees)	10	0	106	0	0	13	0	70	0	68	13
Study tour (no. of program/trainees)	0	0	0	0	0	9	0	0	0	1	0
Internship (group/persons)	0	0	0	0	0	0	0	9	0	0	0
On-the-job training (college/students)	0	0	0	0	0	0	0	40	0	4	0
SEAFDEC Internal Event	0	0	0	0	0	0	0	0	0	0	0
TOTAL	48	64	408	50	10	230	68	355	25	297	64

SEAFDEC Official Mission

During 2020, SEAFDEC courtesy visited SEAFDEC Member Countries and non-Member Countries in Southeast Asia and the number of courtesy visit could be summarized as follows:

Category	Sec	TD	AQD	MFRD	MFRDMD	IFRDMD
SEAFDEC Member Countries	-	-	-	-	-	-
Non-SEAFDEC Member Countries	-	-	-	-	-	-
Total	-	-	-	-	-	-

(See the list of activities in **Appendix 12**)

** Due to situation of COVID-19, it is difficult to travelling and courtesy visit to other country

- **Collaboration with other organizations in 2020**

SEAFDEC also collaborate with other national/ regional/international organizations and institutions in the implementation of activities, and received funding support from some of the organizations. The detailed information on collaborating organizations and forms of collaboration are summarized in **Appendix 13**.

In terms of funding support from other organizations (extra from regular contribution from host governments and Minimum Regular Contribution (MRC)), the funding supports provided by other agencies and institutions could be summarized as follows:

Category	Funding (USD)						%
	Sec	TD	MFRD	AQD	MFRDMD	IFRDMD	

Category	Funding (USD)						%
	Sec	TD	MFRD	AQD	MFRDMD	IFRDMD	
From Agencies/institutions in the region	2,559,615	-	-	168,134	-	-	47.1
From Agencies/institutions outside the region	72,000	2,914,435	-	40,858	-	45,040	52.9
TOTAL	2,631,615	2,914,435	-	208,992	-	45,040	100

(See list of funding support from other agencies/institutions in and outside the region in **Appendix 14**)

The extra funding support from other agencies/institutions from 2016 to 2020 could be summarized as follows:

Category	Funding (USD)				
	2016	2017	2018	2019	2020
From Agencies/institutions in the region	2,176,740	2,116,200	2,806,852	3,155,549	2,727,749
From Agencies/institutions outside the region	1,273,985	689,697	2,780,362	2,849,435	3,072,333
TOTAL	3,450,725	2,805,897	5,587,214	6,004,984	5,800,082

Strategy 4: Strengthening SEAFDEC Capability in Information-related activities

- Financial sustainability of publication and information activities

Department	Total cost for production of publications and information materials	Sale of publications and information materials			Remarks
		Total production cost of publications for sale	Returns from sale of publications*	Returns of investment (%)*	
Sec	60,082.49	-	-	-	All materials are promotional publications or report of the meeting which are not for sell
TD	19,018.91	-	-	-	
MFRD	Wef 2011 MFRD has stopped selling its publications and will be given out on a complimentary basis upon request.				
AQD	231,721.88	-	2,840.75	-	
MFRDMD	7,890.61	Material are not for sale			
IFRDMD	-	-	-	-	

* Returns before deducting production cost

- Percentage of program expenditures spent for information activities

Department	Total program expenditures* (USD)	Total expenditures spent for information activities* (USD)	Percentage of program expenditures spent for information activities (%)
Secretariat	179,039.47	15,189.20	8.48%
TD	409,883.90	10,530.99	2.57%
MFRD	411,034	14,000	3.00%
AQD	214,802.36	23,057.61	10.73%
MFRDMD	100,000	7,890.61	7.8%

Department	Total program expenditures* (USD)	Total expenditures spent for information activities* (USD)	Percentage of program expenditures spent for information activities (%)
IFRDMD	-	-	-

* mainly for FCG/ASSP programs that has category for expenditure on “Information Activities”

- **Human resources development activities that contributed to enhancing information activities and SEAFDEC visibility**

1. In-house Training on Social Media Strategy, 21 January 2020; SEAFDEC/AQD Tigbauan Main Station, Iloilo, Philippines
2. SEAFDEC Inter-Departmental Workshop Information Workshop: “Status of the Implementation and Monitoring of the Strategies for Enhancing SEAFDEC Visibility and Communication - Priority Issues on Repositories, Websites, and Social Media Accounts of the SEAFDEC Secretariat and Departments”, 4-7 February 2020; Samut Prakan and Bangkok, Thailand
3. Emerald Publishing and PLAI Online Lecture-Forum on COVID-19 and Post Community Quarantine Strategies for Libraries, 27 April 2020; online
4. PAARL Webinar on From Practice to Publication: Publications Tips for Filipino Librarians, 8 May 2020; online
5. UST MALIS Webinar Series on Libraries in the New Normal: Managing Reference Service in the Virtual Environment, 23 May 2020; online
6. NLP, ALPS, Regalo: Touching Lives Webinar on Library Resiliency, 11 June 2020
7. PLAI-NIRLC, CE-Logic Inc. Webinar on Responding to New Normal Environment: Keeping Your Staff, Patrons, and Facilities Safe, 26 June 2020; online
8. National University of Singapore (NUS) - Digital Scholarship Team Webinar on Digital Scholarship and Open Access in Southeast Asia, 15 July 2020; online
9. PLAI-WVRLC Webinar Libraries and Pandemic: Personal and Institutional Preparedness of Libraries and Librarians in Western Visayas, 20 August 2020; online
10. PGLL Webinar on A Tripartite Discussion on Copyright and Access to E-Resources for Librarians and Information Professionals, 20 August 2020; online
11. Science Journalism Forum, 24-26 August 2020; online

Strategy 5: Regular monitoring and evaluation of information activities

- **Feedback from target audiences on materials produced by SEAFDEC**

For Secretariat and AQD, feedback mechanisms were established for the training, research, and development transfer conducted by SEAFDEC through communication channels *e.g.* Facebook page, website, etc.

- **Regular monitoring of activities by the Secretariat and Departments, and annual monitoring of activities at the ISP Meeting**

The progress in the implementation of information-related activities, in response to the Information Strategies for Enhancing SEAFDEC Visibility and Communication, were regularly monitored through the annual ISP Meeting. In 2020, the 21st ISP Meeting was organized from 30 November to 1 December 2020 through Google Meet. The progress in the implementation of activities as presented during the meeting (and would be further updated to cover the period from January-December 2020) would be further summarized and published in the SEAFDEC Annual Report.

List of Technical Materials Produced in 2020

(Technical report, proceedings, scientific/technical publications, VCDs and posters)

Title	Hard copy		E-copy		Department
	No. of Copies Produced	No. of Copies Distributed	Distributed through e-mail	Downloaded	
Technical/scientific materials					
- Fishery Statistical Bulletin of Southeast Asia 2018	400	300	-	-	Sec
- Gender Analysis Toolkit for Coastal Management Practitioners	70	30	-	12	Sec
- Pocket Field Guide: Sharks and Rays in Southeast Asian Region	1,000	(under process of printing)	-	-	Sec
- Brochure on Regional Fishing Vessels Records (RFVR): A primary tool to reduce the IUU fishing in Southeast Asian Region	100	100	0	3	TD
- Fisheries of Thailand from the Past to the Time of Issuing the Royal Ordinance on Fisheries 2558 BE	3 (Reference for Library)	0	0	145	TD
- Aquaculture Extension Manual 66. Tilapia culture: The basics	0	0	N/A	N/A	AQD
- Aquaculture Extension Manual 67. Biology of hatchery rearing of the silver therapon <i>Leiopotherapon plumbeus</i>	0	0	N/A	N/A	AQD
- Marketing and trade of sharks and rays in Kalimantan, Indonesia. Dharmadi, Priyo Suharsono Sulaiman in collaboration with Dr. Ahmad Ali, Rosdi Mohd. Nor and Hamizah Nadia Alias@Yusof 2020. SEAFDEC/MFRDMD/SP/50. 978-983-9114-85-0	250	12	2	0	MFRDMD
- Technical Compilation of Biotoxins Monitoring in the ASEAN Region	200	150	-	43	MFRD
Report of events organized by SEAFDEC					
- Report of the Fifty-second Meeting of the Council of SEAFDEC (Teleconference Session, 19 May 2020 and <i>Ad Referendum</i> Session)	150	130	70	9	Sec
- Report of the Forty-second Meeting of the Program	150	130	70	33	Sec

Title	Hard copy		E-copy		Department
	No. of Copies Produced	No. of Copies Distributed	Distributed through e-mail	Downloaded	
Committee of SEAFDEC (11-13 November 2019, Chiang Mai, Thailand)					
- Report of the Twenty-second Meeting of the Fisheries Consultative Group of the ASEAN-SEAFDEC Strategic Partnership (14-15 November 2019, Chiang Mai, Thailand)	150	130	60	29	Sec
- The Japanese Trust Fund Project Report (JTF6 Phase I) for Promotion of Sustainable Fisheries in the Southeast Asian Region	50	20	-	10	Sec
- Report of Practical Workshop on Stock and Risk Assessments of Longtail tuna (LOT) and Kawakawa (KAW) in the Southeast Asian waters, SEAFDEC/TD, Samut Prakan, Thailand, 10-15 February 2020	-	-	-	100	Sec
- Report of Regional Dialogue on Gender Dimension in Coastal and Fisheries Resources Management in South Asia and Southeast Asia (15-16 November 2016, Bangkok, Thailand)	70	30	-	4	Sec
- Gender in Coastal and Fisheries Resource Management: A Regional Synthesis Report	70	30	-	7	Sec
- Terminal Report Regional Sharks, Rays and Skates Data Collection	-	-	-	0	Sec
- Report of Workshop on Ecosystem Approach to Fisheries Management (EAFM) in Trat Province, Thailand	3 (Reference for Library)	0	0	153	TD
- Report of Teleseminar on Way Forward for Combating IUU Fishing in Southeast Asia Through Zoom Webinar	3 (Reference for Library)	0	0	101	TD
- Report of the Teleworkshop on Development and Implement of Regional Tool for Combating IUU Fishing in Southeast Asia	3 (Reference for Library)	0	58	32	TD
- Special Report on the Impact of COVID-19: How are Local	3 (Reference	0	0	2,237	TD

Title	Hard copy		E-copy		Department
	No. of Copies Produced	No. of Copies Distributed	Distributed through e-mail	Downloaded	
Fishermen Adapting	ce for Library)				
- Report on the JTF Project “Enhancement of Sustainable Management of the Blue Swimming Crab Fisheries in Kep Province, Cambodia”	45	18	55	14	TD
- Report JTF Project Facilitating Fisheries Activities Information Gathering through Introduction of Community-Based Resources Management/Co-management in Lao PDR	72	63	55	23	TD
Materials for policy makers, politicians, etc.					
- REPORT : The Terminal Meeting of the JTF6 Project : Combating IUU Fishing in Southeast Asia Through Application of Catch Certification for International Trade in Fish and Fishery Products, 3-5 September 2019. SEAFDEC/MFRDMD/ RM37. 978-983-9114-83-6	80	53	0	0	MFRDMD
- THE TERMINAL REPORT OF : The JTF6 Project : Combating IUU fishing in Southeast Asia Through Application of Catch Certification for International Trade in Fish and Fishery Products. SEAFDEC/MFRDMD/SP 46. 978-983-9114-84-3	100	42	0	0	MFRDMD
- Admin Report of Inception Meeting for JTF VI Phase II on Project on Enhancing Safety and Competitiveness of Seafood Products	-	-	2	-	MFRD
- ASEAN-SEAFDEC Resolution and Plan of Action on Sustainable Fisheries for Food Security for the ASEAN Region Towards 2030	1,000	500	-	11	Sec
- SEAFDEC/AQD Priority Programs: Making Science Work for Philippine Aquaculture	50	50	N/A	N/A	AQD
- Regional Technical Guidelines on Early Warning System for	0	0	N/A	93	AQD

Title	Hard copy		E-copy		Department
	No. of Copies Produced	No. of Copies Distributed	Distributed through e-mail	Downloaded	
Aquatic Animal Health Emergencies					
- Regional Guidelines on Cold Chain Management of Fish and Fishery Products in ASEAN Region	200	150	-	194	MFRD
Materials for general public, academes, students and youth					
- Poster of Sharks in Southeast Asian Region	1,000	(under process of printing)	-	-	Sec
- Poster of Rays in Southeast Asian Region	1,000	(under process of printing)	-	-	Sec

List of Technical Videos Produced in 2020

Titles	Hard copy		E-copy		Department
	No. of copies produced	No. of copies distributed	URL	No. of online views	
- Preliminary Study on Acute Impacts of the COVID-19 Pandemic to Small-Scale Fisheries in Thailand	0	0	https://youtu.be/AqDVuOfTqtK	57	TD
- Gender roles in Fisheries	0	0	https://youtu.be/Sxi5QvP9RV0	20	TD
- Promotion on Community-based Resource Management in Khammouane Province, Lao PDR	0	0	https://youtu.be/x52DfIMtJTA	1	TD
- Promotion on Co-management in Nam Xouang, Lao PDR	0	0	https://youtu.be/nHPKExwdDHA	0	TD
- Conclusion and Recommendation on Co-management Project in Lao PDR	0	0	https://youtu.be/hJuXyfkQ2wE	2	TD
- Enhancement of Sustainable Management of the Blue Swimming Crab Fisheries in Kep Province, Cambodia	0	0	https://youtu.be/clbkYxpIvgQ	0	TD
- Survey on Socioeconomic in Angkaol Village and Blue Swimming Crab Market in Kep Province, Cambodia	0	0	https://youtu.be/9q3TQOrvekg	11	TD
- Biological Study and Stock Assessment of Blue Swimming Crab	0	0	https://youtu.be/b9tvHHsmFBw	10	TD
- Conclusion and Recommendation on Enhancement of Blue Swimming Crab Fisheries	0	0	https://youtu.be/tgCgYJ6SC3Y	3	TD
- Japanese Fisheries Co-management System based on Bottom-up Approach	0	0	https://youtu.be/uh8QaygtQxg	6	TD
- Lessons Learned and Impressions on Impacts by Pilot	0	0	https://youtu.be/MDIAvL3mZt0	3	TD

Titles	Hard copy		E-copy		Department
			URL	No. of online views	
	No. of copies produced	No. of copies distributed			
Project in Lao PDR and Cambodia					
- Innovation for Combating IUU Fishing	0	0	https://youtu.be/jwuwqtNfWyU	21	TD
- Challenges on Sustainable Marine Fisheries Management in Southeast Asia (after COVID19)	0	0	https://youtu.be/NraPFGIGhws	28	TD
- Overview of the mangrove crab industry	0	0	(streamed through Zoom)	32	AQD
- Biology and identification of mangrove crab	0	0		32	AQD
- Mangrove crab hatchery operations and broodstock management	0	0		32	AQD
- Diseases of mangrove crabs and management for hatchery	0	0		32	AQD
- Mangrove crab hatchery operations	0	0		32	AQD
- Nursery management of mangrove crab	0	0		32	AQD
- Mangrove crab nursery operations	0	0		32	AQD
- Site assessment and selection and pond preparation	0	0		32	AQD
- Pond design and construction	0	0		32	AQD
- Water and soil quality management in ponds	0	0		32	AQD
- Mangrove crab culture in ponds, pens, and cages	0	0		32	AQD
- Formulation, preparation, and management of feeds	0	0		32	AQD
- Diseases of mangrove crabs and management grow-out	0	0		32	AQD

Titles	Hard copy		E-copy		Department
			URL	No. of online views	
	No. of copies produced	No. of copies distributed			
- Mangrove crab grow-out operations	0	0		32	AQD
- Mangrove crab management	0	0		32	AQD
- Mangrove crab marketing practices	0	0		32	AQD
- Trading of crablets and grow-out culture of crab in Capiz	0	0		32	AQD
- Concepts and approaches in sustainable aquaculture				32	AQD
- Overview of the status of the milkfish industry				32	AQD
- Biology, ecology, and broodstock management of milkfish				32	AQD
- Milkfish hatchery operations				32	AQD
- Culture of natural food (phytoplankton/zooplankton) including algal paste				32	AQD
- Design & construction of a milkfish hatchery				32	AQD
- Economics & financial analysis of milkfish seed production				32	AQD
- Nutrient requirements of milkfish & crustaceans				32	AQD

List of Technical/Scientific Articles Published in Scientific Journals/Proceedings
(in SEAFDEC and non-SEAFDEC publications) in 2020

Title	Copies of publication produced	Department
Articles published in SEAFDEC publications (e.g. Fish for the People, SEAFDEC proceeding, Special Report of SEAFDEC Newsletter)		
- Enhanced Fisheries Sector Capability for Sustainable and Socially-equitable Resources Management: A legacy of the SEAFDEC-Sweden Project for Southeast Asia (Fish for the People Vol.18 No.1)	1,600	Sec
- Enhancing the Management of the Indo-Pacific Mackerel Resources in the Gulf of Thailand a synthesis (Fish for the People Vol.18 No.1)	1,600	Sec
- Capturing the Impacts of COVID-19 on the Fisheries Value Chain of Southeast Asia (Fish for the People Vol.18 No.2)	1,600	Sec
- Fish Trade Practices: Southeast Asian Perspective (Fish for the People Vol.18 No.2)	1,600	Sec
- Boosting the Management of Economically Important Fishery Resources in the Southeast Asian Region: The Seer Fishes in Focus (Fish for the People Vol.18 No.2)	1,600	Sec
- Assessing the Impacts of the COVID-19 on Fisheries and Aquaculture in Southeast Asia (Newsletter Vol.43 No.2)	1,600	Sec
- Learning from an EAFM Pilot Application: a case in Trapeang Ropov Village, Kampot Province, Cambodia (Fish for the People Vol.18 No.1)	1,600	TD
- Boosting the Responsible Stewardship of a Precious Fisheries Resources: the blue swimming crab in Angkol Village, Kep Province, Cambodia (Fish for the People Vol.18 No.1)	1,600	TD
- Severity of the Impacts of COVID-19 Pandemic on Small-scale Fisheries of Thailand: A Preliminary Assessment (Fish for the People Vol.18 No.2)	1,600	TD
- SEAFDEC Initiatives on Mainstreaming Gender in Fisheries and Aquaculture in the Southeast Asia (Newsletter Vol.43 No.1)	1,600	TD
- Impeding the Outbreaks of Transboundary Aquatic Animal Disease in Southeast Asian Aquaculture: the Aquatic Emergency Preparedness and Response System Guidelines (Fish for the People Vol.18 No.2)	1,600	AQD
- Acceleration of Online Training Course Development at AQD (Newsletter Vol.43 No.2)	1,600	AQD
- Towards Ensuring the Safety and Viability of Seafood: the Regional Guidelines on Cold Chain Management of Fish and Fishery Products in the ASEAN Region (Fish for the People Vol.18 No.2)	1,600	MFRD
- Assessing the Sustainability of Small-scale Inland Fisheries: a case of the fisheries in Barito River of Indonesia (Fish for the People Vol.18 No.1)	1,600	IFRDMD
- Western Region of Indonesia: the nucleus of Anguillid Eel Fisheries and Trade (Fish for the People Vol.18 No.2)	1,600	IFRDMD
- Towards the Sustainable Management of Purse Seine Fisheries in Southeast Asia (Fish for the People Vol.18 No.1)	1,600	MFRDMD

Title	Copies of publication produced	Department
Articles published in non-SEAFDEC publications (e.g. proceeding, journal)		
Altamirano JP, Noran-Baylon RD. 2020. Nursery culture of sandfish <i>Holothuria scabra</i> in sea-based floating hapa nets: Effects of initial stocking density, size grading and net replacement frequency. <i>Aquaculture</i> 526: 735379.	N/A	AQD
Amar EC, Faisan JP Jr., Gapasin RSJ. 2020. Field efficacy evaluation of a formalin-inactivated white spot syndrome virus (WSSV) vaccine for the preventive management of WSSV infection in shrimp grow-out ponds. <i>Aquaculture</i> 531:735907.	N/A	AQD
Aya FA, Sayco MJ, Garcia LM. Optimum stocking density and feeding level for laboratory-reared early-stage silver therapon (<i>Leiopotherapon plumbeus</i>) larvae. <i>Aquaculture Research</i> . (online first)	N/A	AQD
Aya FA. 2019. Towards reviving the production of Philippine native aquatic species. <i>Fish for the People</i> 17:29-33.	N/A	AQD
Cabalfin JJMC, Lamzon JDH, Serra VRM, Mediodia HP, Catedral DD. 2019. Interaction between <i>Rhodobacter sphaeroides</i> and Harmful Algal Bloom (HAB) causing dinoflagellate <i>Amphidinium carterae</i> . <i>Publiscience</i> 2:159-164.	N/A	AQD
Campbell I, Kambey CS, Mateo JP, Rusekwa SB, Hurtado AQ, Msuya FE, Stentiford GD, Cottier-Cook EJ. 2020. Biosecurity policy and legislation for the global seaweed aquaculture industry. <i>Journal of Applied Phycology</i> 32:2133-2146.	N/A	AQD
Dennis LP, Nocillado J, Palma P, Amagai T, Soyano K, Elizur A. 2020. Development of a giant grouper Luteinizing Hormone (LH) Enzyme-Linked Immunosorbent Assay (ELISA) and its use towards understanding sexual development in grouper. <i>General and Comparative Endocrinology</i> 296:113542.	N/A	AQD
Drakeford B, Failler P, Nunes A, Hossain MA, Van PT, Xinhua Y, Ayson F, Marinda P, Nyandat B. 2020. On the relationship between aquaculture and food security: Why does aquaculture contribute more in some developing countries than it does in others?. <i>International Journal of Fisheries and Aquatic Studies</i> 8:12-17.	N/A	AQD
Fazhan H, Waiho K, Qunitio E, Baylon JC, Fujaya Y, Rukminasari N, Azri MF, Shahreza MS, Ma H, Ikhwanuddin M. 2020. Morphological descriptions and morphometric discriminant function analysis reveal an additional four groups of <i>Scylla</i> spp. <i>PeerJ</i> . 8:e8066.	N/A	AQD
Garcia LMB, Sayco MJP, Aya FA. 2020. Point-of-no-return and delayed feeding mortalities in first-feeding larvae of the silver therapon <i>Leiopotherapon plumbeus</i> (Kner) (Teleostei: Therapontidae). <i>Aquaculture Reports</i> , 16, 100288.	N/A	AQD
Kawamura G, Bagarinao TU, Cheah HS, Saito H, Yong ASK, Lim L-S. 2020. Behavioural evidence for colour vision determined by conditioning in the purple mud crab <i>Scylla tranquebarica</i> . <i>Fisheries Science</i> 86:299-305.	N/A	AQD
Kurokura H, Altamirano J, Primavera Y, Ishikawa S. 2019. フィリピン・バタン湾におけるウシエビ放流の試み [Feasibility of stock enhancement of tiger shrimp in Batan Estuary in Philippines]. <i>Journal of International Cooperation for Agricultural Development</i> 17:14-23.	N/A	AQD
Kurokura H, Altamirano J, Primavera Y, Ishikawa S. 2019. フィリピン・バタン湾におけるウシエビ放流の試み [Feasibility of stock enhancement of tiger shrimp in Batan Estuary in Philippines]. <i>Journal of International Cooperation for Agricultural Development</i> 17:14-23.	N/A	AQD

Title	Copies of publication produced	Department
Ludevese-Pascual G, Ahmed F, De Troch M, Amar E, Laranja JL, Bode S, Boeckx P, Bossier P, De Schryver P. 2020. Determination of poly-β-hydroxybutyrate assimilation by postlarval whiteleg shrimp, <i>Litopenaeus vannamei</i> using stable 13C isotope tracing. Journal of the World Aquaculture Society. (fundamental studies)	N/A	AQD
Mandario MA. 2020. Survival, growth and biomass of mud polychaete <i>Marphysa iloiloensis</i> (Annelida: Eunicidae) under different culture techniques. Aquaculture Research 51:3037-3049.	N/A	AQD
Mandario, MAE, Castor NJT, Balinas VB. 2021. Interaction effect of light intensity and photoperiod on egg hatchability, survival and growth of polychaete <i>Marphysa iloiloensis</i> from larva to juvenile. Aquaculture 531:735890.	N/A	AQD
Mateo JP, Campbell I, Cottier-Cook EJ, Luhan MR, Ferriols VM, Hurtado AQ. 2020. Analysis of biosecurity-related policies governing the seaweed industry of the Philippines. Journal of Applied Phycology 32:2009-2020.	N/A	AQD
Monghit-Camarin MA, Cruz-Lacierda ER, Pakingking Jr RV, Cuvin-Aralar ML, Traifalgar RF, Añasco NC, Austin FW, Lawrence ML. 2020. Bacterial microbiota of hatchery-reared freshwater prawn <i>Macrobrachium rosenbergii</i> (de Man, 1879). Asian Fisheries Science. 33:241-248.	N/A	AQD
Pagador GE, Pakingking RV Jr., Dumaran-Paciente HD. 2020. First histopathological description of parasites and shell conditions of the donkey's ear abalone <i>Haliotis asinina</i> (Linnaeus, 1758) cultured in marine cages and land-based tanks in the Philippines. Journal of Shellfish Research 39:375-379.	N/A	AQD
Pakingking R Jr, Palma P, Usero R. 2020. Aeromonas load and species composition in tilapia (<i>Oreochromis niloticus</i>) cultured in earthen ponds in the Philippines. Aquaculture Research. (online first)	N/A	AQD
Salayo ND, Azuma T, Castel RJ, Barrido R, Tormon-West DH, Shibuno T. 2020. Stock enhancement of abalone, <i>Haliotis asinina</i> , in multi-use buffer zone of Sagay Marine Reserve in the Philippines. Aquaculture. 2020 Feb 22:735138.	N/A	AQD
Salayo ND, Marte CL, Toledo JD, Gaitan AG, Agbayani RF. Developing a self-sufficient Philippine milkfish industry through value chain analysis. Ocean & Coastal Management (online first).	N/A	AQD
Suyo JG, Le Masson V, Shaxson L, Luhan MR, Hurtado AQ. 2020. A social network analysis of the Philippine seaweed farming industry: Unravelling the web. Marine Policy 118:104007.	N/A	AQD
Uba KI, Monteclaro H, Noblezada-Payne MM, Quintio G, Altamirano J. 2020. Value chain analysis of the horse mussel <i>Modiolus metcalfei</i> (Hanley, 1843) fishery in Iloilo, Philippines. Asian Fisheries Science 33:106-117.	N/A	AQD
Yap DS, Bungay KCC, Alfonso JPV, Libo-on JB, Cordero C. 2019. Immune response of <i>Litopenaeus vannamei</i> juveniles immersed in <i>Gracilariopsis heteroclada</i> hot-water extract. Publiscience 2:30-33.	N/A	AQD
Longtail tuna (<i>Thunnus tonggol</i>) Consumption Frequency in Terengganu, Malaysia. Ahmad Ali	Open Journal of Marine Science, 2020 http://www.scirp.org/journal/ojms Scientific	MFRDMD

Title	Copies of publication produced	Department
	Research Publishing Inc.	
KUALA PAHANG DIKENAL PASTI NURSERI YU DAN PARI - Nelayan Diminta Lepaskan Anak yu dan Pari ke Laut (Berita Perikanan Bil. 113 Jun 2020, muka surat 13)	Published by DOFM	MFRDMD
TUKUN TIRUAN VESEL KAYU BERSALUT GENTIAN KACA BUAHKAN HASIL (Berita Perikanan Bil. 113 Jun 2020, muka surat 16-17)	Published by DOFM	MFRDMD
Muthmainnah, D. 2020. Inland Fisheries, for whom? Newspaper. Sumatera Ekspres. 11 January 2020. In Indonesian.	N/A	IFRDMD
Muthmainnah, D. 2020. The importance of keeping the deep pool as a house of fish in the swamp area. Newspaper. Sumatera Ekspres. 17 March 2020. In Indonesian.	N/A	IFRDMD
Muthmainnah, D. 2020. Tilapia, the idol of introduced fish. Newspaper. Sumatera Ekspres. 22 June 2020. In Indonesian.	N/A	IFRDMD
Makmur, S., D. Muthmainnah, & Subagdja. 2020. Fishery activities and environmental condition of Maninjau Lake, West Sumatra. IOP Conf. Ser.: Earth Environ. Sci. 564 012025.	N/A	IFRDMD
Sawestri, Sevi and Herlan. 2020. Diversity and length-weight relationships of fishes from Lake Cala in tide season. IOP Conf. Ser.:Earth Environ. Sci. 535 012038	N/A	IFRDMD

List of Promotional Publication Produced in 2020
(Annual Report/Highlights, newsletter, brochures, promotional VCDs, and posters
to promote the activities and visibility of SEAFDEC)

Title	Hard copy		E-copy		Department
	Copies Produced	Copies Distributed	Distributed through e-mail	Downloaded	
Annual Reports, Highlights					
- SEAFDEC Annual Report 2019	1,000	900	-	97	Sec
- AQD Highlights 2019	5	5	-	-	AQD
- MFRD Annual Highlights	-	-	-	-	MFRD
Newsletter, Periodical Publications					
- SEAFDEC Newsletter Volume 42 Number 4	1,600	1,400	-	20	Sec
- SEAFDEC Newsletter Volume 43 Number 1	1,600	1,400	-	64	Sec
- SEAFDEC Newsletter Volume 43 Number 2	1,600	1,400	-	13	Sec
- SEAFDEC Newsletter Volume 43 Number 3	1,600	1,400	-	-	Sec
- Special Publication: Fish for the People Vol.18 No.1	1,600	1,400	-	171	Sec
- Special Publication: Fish for the People Vol.18 No.2	1,600	1,400	-	49	Sec
- Special Publication: Fish for the People Vol.18 No.3	1,500	1,400	-	-	Sec
- AQD Matters January-February 2020	70	70	982	120	AQD
- AQD Matters March-April 2020	70	70	982	287	AQD
- AQD Matters May-June 2020	70	70	982	81	AQD
- AQD Matters July-August	25	25	982	149	AQD
Promotional Publications (books, flyers, brochures, calendar)					
- SEAFDEC Calendar 2021	2,000	2,000	0	0	Sec
- SEAFDEC Gift Wrap Paper	3,000	0	0	0	Sec
- Igang Marine Station brochure	0	0	0	241	AQD
- Oplan Balik Sugpo (Environment-friendly strategies in shrimp culture)	0	0	0	751	AQD
- Oplan Balik Sugpo (Production of High-Quality Postlarvae)	0	0	0	315	AQD
- Training Course on Freshwater Prawn Hatchery and Grow-out Operations brochure	0	0	0	74	AQD
- Training Course on Abalone Hatchery and Grow-out brochure	0	0	0	4	AQD
- Training Course on Catfish Hatchery and Grow-out Operations brochure	0	0	0	10	AQD
- Training Course on Marine Fish Hatchery brochure	0	0	0	73	AQD

- Training Course on Tilapia Hatchery and Grow-out Operations brochure	0	0	0	20	AQD
- Training Course on Community-based Freshwater Aquaculture for Remote Areas of Southeast Asia brochure	0	0	0	11	AQD
- Distance Learning Course: Principles of Aquaculture Nutrition	0	0	0	62	AQD
- Distance Learning Course: Principles of Health Management in Aquaculture brochure	0	0	0	43	AQD
Promotional CD, VCD					
Promotional Posters					

List of Promotional Material and Souvenirs Produced in 2020

Items	No. of items produced	No. of items distributed	Department
- T-shirt (from shark project)	200	200	Sec
- Flashdisk	45	45	IFRDMD
- Tumbler	110	110	IFRDMD
- Powerbank	15	15	IFRDMD
- plaque	2	2	IFRDMD
-			

List of Promotional Videos Produced in 2020

Titles	Hard copy		E-copy		Department
	No. of copies produced	No. of copies distributed	URL	No. of online views	
Fish Passage Implementation in Udonthani province, Thailand	0	0	https://youtu.be/PrDi3ugudD	15	TD
Fish Passage Implementation in Cambodia	0	0	https://youtu.be/mACYcAmIcKo	11	TD
Introduction of the Seminar on Approach and Method in Small-scale Fisheries	0	0	https://youtu.be/It1sGht1JkU	11	TD
Introduction of Co-Management Project in Lao PDR: Project Site in Khammouane Province	0	0	https://youtu.be/dpfPuE_aG8o	2	TD
Promotion on Community-bases Resources Management in Khammouane Provinc	0	0	https://youtu.be/x52DfIMtJTA	3	TD
Introduction of Co-Management Project in Nam Xouang, Lao PDR	0	0	https://youtu.be/tJD65XNaH4g	2	TD
Promotion on Co-management in Nam Xouang, Lao PDR	0	0	https://youtu.be/nHPKExwdDHA	7	TD
Conclusion and Recommendation on Co-management Project in Lao PDR	0	0	https://youtu.be/hJuXyfkQ2wE	3	TD
Enhancement Sustainale Management of the Blue Swimming Crab Fisheries in Crab Province, Cambodia	0	0	https://youtu.be/clbkYxpIvgQ	1	TD
Survey on Scioeconomic in Ankoal Village and Blue Swimming Crab Market in Kep Province Cambodia	0	0	https://youtu.be/9q3TQOrvekg	13	TD
Biological Study and Stock Assessment of Blue Swimming Crab	0	0	https://youtu.be/b9tvHHsmFBw	12	TD

Titles	Hard copy		E-copy		Department
	No. of copies produced	No. of copies distributed	URL	No. of online views	
Japanese Fisheries Co-management System based on Bottom-up Approach	0	0	https://youtu.be/uh8QaygtQxg	9	TD
Lesson Learned and Impressions on Impact by Pilot Project in Lao PDR and Cambodia	0	0	https://youtu.be/MDIAvL3mZt0	3	TD
Perspectives to fulfilling international requirements for combating IUU fishing	0	0	https://youtu.be/KPKPq68xWxU	45	TD
ASEAN IUU Network-EU CATCH	0	0	https://youtu.be/IA0yFwxnemm	15	TD
Development of Regional IUU Fishing Vessels Watchlist	0	0	https://youtu.be/qmEIl6g_ods	16	TD
Innovation for Combating IUU Fishing	0	0	https://youtu.be/jwuwtNfWYyU	23	TD
Boosting the MCS Networks for Combating IUU Fishing	0	0	https://youtu.be/3oppRSnoPbo	27	TD
NOAA's Support for SEA to Combat IUU Fishing	0	0	https://youtu.be/0RzZDmNwxxE	14	TD
Way Forward for Combating IUU Fishing in Southeast Asia	0	0	https://youtu.be/b0dST93xflA	21	TD
Challenges on Sustainable Marine Fisheries Management in Southeast Asia (After COVID 19)	0	0	https://youtu.be/NraPfGIGhws	29	TD

List of Exhibition Participated/Organized by SEAFDEC in 2020

Exhibition Title	Estimated Visitors	Department
- National's Children Day	3,000	TD

Press Statements Produced by SEAFDEC

Title (Date, Venue)	Department
Tuna farming soon in PH as research project takes off (7 January 2020)	AQD
Backyard catfish farming, an accessible source of income for Filipinos (18 January 2020)	AQD
New species of soil-cleaning worm named after Iloilo (24 January 2020)	AQD
Fisheries library goes digital, thousands of materials freely downloadable (30 January 2020)	AQD
Jump-start aquaculture business with coaching from experts (5 February 2020)	AQD
High school teachers embark on research methodology training sponsored by Japan (13 February 2020)	AQD
SEAFDEC reminds shrimp growers to avoid stocking ponds during cold months (21 February 2020)	AQD
Mangrove-friendly crab culture, a lucrative source of livelihood (28 February 2020)	AQD
Study: Helping young fish see at night makes them grow faster (10 March 2020)	AQD
Freshwater prawn, a sustainable alternative to tiger shrimp? (13 March 2020)	AQD
SEAFDEC upgrades feed mill to boost production of low-cost aquaculture feeds (26 March 2020)	AQD
Good news for crab farmers: Simple techniques double crablet production (6 April 2020)	AQD
Turning up the heat to meet milkfish fry shortage (15 April 2020)	AQD
Production and delivery of milkfish and crab seeds remain unhampered despite lockdowns (27 April 2020)	AQD
Mysterious deaths in farmed crab linked to bad feed, water quality (5 May 2020)	AQD
Expert warns crab farmers against ‘fake’ king crablets (20 May 2020)	AQD
Sandfish: expensive, endangered, and ecologically essential (28 May 2020)	AQD
Fisheries center renews call for students to do research; use labs, services (11 June 2020)	AQD
Online training courses being fast-tracked to empower aquaculture industry (23 June 2020)	AQD
Aquafarmers hurt by lockdown woes; seek help to lower feed costs (10 July 2020)	AQD
Inside the quarantine facility for shrimp with a PCR testing lab to keep out pathogens (24 July 2020)	AQD
From pollution to profit: Over P3-M of shrimp harvested from a hectare (14 August 2020)	AQD
[Ad] Available seeds, Natural Food, Lab Analysis, Diagnostics (25 August 2020)	AQD
Conservation urged to save native catfish (28 August 2020)	AQD
Seahorses get second life with SEAFDEC and NegOc islanders’ help (17 September 2020)	AQD
Mangrove-friendly crab culture, a lucrative source of livelihood (25 September 2020)	AQD

SEAFDEC Appearance in Public Media in 2020

Description	Types of media	Department
Introduction of Southeast Asian Fisheries Development Center (SEAFDEC) (in Thai) https://www4.fisheries.go.th/local/index.php/main/view_activities/1232/74916 , 22 April 2020	2	Sec
SEAFDEC Webinar: Impact of COVID-19 on Fisheries and Aquaculture in Southeast Asia, https://www.cgiar.org/news-events/event/seafdec-webinar-impact-of-covid-19-on-fisheries-and-aquaculture-in-southeast-asia/ , 02 July 2020	2	Sec
Voluntary Guidelines for Securing Sustainable Small-Scale Fisheries: An interview with SEADFEC about implementing the SSF Guidelines in Southeast Asia in the Context of Food Security and Poverty Eradication, http://www.fao.org/voluntary-guidelines-small-scale-fisheries/news-and-events/detail/en/c/1272457/ , 21 April 2020	2	Sec
SEAFDEC Initiatives Toward Sustainable Development of Fisheries in ASEAN Region by SEAFDEC https://oceanconference.un.org/commitments/?id=22265 , 16 February 2020	2	Sec
DOF Thailand in collaboration with SEAFDEC develop prototype of fishing vessel to improve on livelihood, hygienic and safety at sea of crew during onboard https://siamrath.co.th/n/186061 , 30 September 2020	2	TD
The Daily Guardian, January 8, 2020, on pages 7, 8. Tuna farming soon in PH as research project takes off by JM De La Cruz.	1	AQD
Panay News, January 8, 2020, on page B1. Research project for tuna farming in PH takes off by JM De La Cruz.	1	AQD
Panay News, January 18, 2020, on page 9. Backyard catfish farming, an accessible source of income for Filipinos by Rex Delsar Dianala and Rossea Hosillos-Ledesma.	1	AQD
Panay News, January 25, 2020, on pages B2, B6. New species of soil-cleaning worm named after Iloilo by Rossea Hosillos-Ledesma.	1	AQD
Daily Guardian, January 25-26, 2020, on page 4 (supplement). Learn aquaculture hands-on and online! (Advertisement)	1	AQD
Daily Guardian, January 27, 2020, on pages 10, 13. New species of soil-cleaning worm named after Iloilo by Rossea Hosillos-Ledesma.	1	AQD
Daily Guardian, January 29, 2020, on pages 3, 14. Fisheries library goes digital by Joesyl Marie de la Cruz.	1	AQD
Panay News, January 29, 2020, on page B1. Fisheries library goes digital, thousands of materials freely downloadable by Joesyl Marie de la Cruz.	1	AQD
Daily Guardian, February 7, 2020, on pages 7, 3. Jump-start aquaculture business with coaching from experts by Rossea Hosillos-Ledesma.	1	AQD

Description	Types of media	Department
Panay News, February 8, 2020, on page 11. Jump-start aquaculture business with coaching from experts by Rossea Hosillos-Ledesma.	1	AQD
Panay News, February 15, 2020, on page 9. Iloilo HS teachers embark on research methodology training sponsored by Japan by Rossea Hosillos-Ledesma.	1	AQD
Manila Bulletin, February 15, 2020, on page B-4. BFAR to tap new catch documentation system to fight illegal fishing by Madelaine B.Miraflor.	1	AQD
Daily Guardian, February 15-16, 2020, on page 12. Iloilo teachers join Japan-funded research methodology training by Rossea Hosillos-Ledesma.	1	AQD
Panay News, February 22, 2020, on page 9. SEAFDEC reminds shrimp growers to avoid stocking ponds during cold months by Rossea Hosillos-Ledesma.	1	AQD
Daily Guardian, February 22-23, 2020, on pages 7, 8. SEAFDEC reminds shrimp growers to avoid stocking ponds during cold months by Rossea Hosillos-Ledesma.	1	AQD
Panay News, February 29, 2020, on pages B8, B6. Mangrove-friendly crab culture, a lucrative source of livelihood by Rex Delsar B. Dianala.	1	AQD
Aqua Culture Asia-Pacific, January-February, on pages 26-28. Philippines shrimp: working together for a progressive shrimp industry.	1	AQD
Aqua Culture Asia-Pacific, January-February, on pages 21-23. Marine Shrimp in Asia in 2019: Supply exceeds demand.	1	AQD
Daily Guardian, February 29-March 1, 2020, on pages 7, 10. Mangrove-friendly crab culture, a lucrative source of livelihood by Rex Delsar B. Dianala.	1	AQD
Panay News, March 7, 2020, on pages B1, B6. Study: Helping young fish see at night makes them grow faster by Joesyl Marie de la Cruz.	1	AQD
Daily Guardian, March 7, 2020, on pages 7, 13. Study: Helping young fish see at night makes them grow faster by Joesyl Marie de la Cruz.	1	AQD
Daily Guardian, March 27, 2020, on pages 7, 8. SEAFDEC upgrades feed mill to boost production of low-cost aquaculture feeds by Rossea Ledesma.	1	AQD
Daily Guardian, March 28-29 2020, on pages 2 and 14. UP Visayas lends RT PCR Machine to WVMC for COVID-19 testing.	1	AQD
Panay News, March 28, 2020, on pages B1, B3. SEAFDEC upgrades feed mill to boost production of low-cost aquaculture feeds by Rossea Ledesma.	1	AQD
Daily Guardian, April 4, 2020, on pages 7, 13. Good news for crab farmers: Simple techniques double crablet production by Joesyl Marie de la Cruz.	1	AQD
Panay News, April 4-5, 2020, on pages B1, B2. Good news for crab farmers: Simple techniques double crablet production by Joesyl Marie de la Cruz.	1	AQD
NACA Newsletter, April 6, 2020. Simple techniques double crablet production by Joesyl Marie de la Cruz.	1	AQD
Panay News, April 18-19, 2020, on page 9. SEAFDEC turns up the heat to meet bangus fry shortage.	1	AQD

Description	Types of media	Department
Panay News, April 29, 2020, on page B1. Production and delivery of milkfish, crab seeds unhampered despite lockdowns.	1	AQD
Hatchery International, March-April on page 10-11. Silver lining for overfished Philippines freshwater favourite by Nestor Arellano.	1	AQD
Daily Guardian, May 7, 2020, on pages 6, 7. Mysterious deaths in farmed crab linked to bad feed, water quality by Rex Delsar Dianala.	1	AQD
Panay News, May 8, 2020, on pages 9, 11. Mysterious deaths in farmed crab linked to bad feed, water quality by Rex Delsar Dianala.	1	AQD
Daily Guardian, May 20, 2020, on pages 6, 8. Expert warns crab farmers against ‘fake’ king crablets by Joesyl Marie de la Cruz.	1	AQD
Panay News, May 23-24, 2020, on pages 9, 11. Expert warns crab farmers against ‘fake’ king crablets by Joesyl Marie de la Cruz.	1	AQD
Daily Guardian, May 29, 2020, on pages 6, 8. Sandfish: expensive, endangered, and ecologically essential by Rossea Ledesma.	1	AQD
Panay News, May 30, 2020, on page 13. Sandfish: expensive, endangered, and ecologically essential by Rossea Ledesma.	1	AQD
Daily Guardian, June 10, 2020, on pages 6, 10. Fisheries center renews call for students to do research, use labs, services by Rossea Ledesma.	1	AQD
Panay News, June 10, 2020, on page 8. Reading “Tic-Tac-Toe” by Peter Solis Nery.	1	AQD
Panay News, June 13-14, 2020, on pages 13, 11. Fisheries center renews call for students to do research, use labs, services by Rossea Ledesma.	1	AQD
Daily Guardian, June 24, 2020, on pages 6, 7. Online training courses seen to empower aquaculture industry by Joesyl Marie de la Cruz.	1	AQD
Panay News, June 27-28, 2020, on page 15. Online training courses seen to empower aquaculture industry by Joesyl Marie de la Cruz.	1	AQD
Aqua Culture Asia Pacific, May-June 2020, on page 59. SEAFDEC upgrades feed mill to boost production of low-cost aquaculture feeds by Rossea Ledesma.	1	AQD
Aqua Culture Asia Pacific, May-June 2020, on page 21. Good news for crab farmers by Joesyl Marie de la Cruz.	1	AQD
Daily Guardian, July 11-12, 2020, on pages 2, 11. Capiz aquafarmers hurt by lockdown by Rex Delsar Dianala.	1	AQD
Panay News, July 11-12, 2020, on page 13. Capiz aquafarmers hurt by lockdown woes; seek help to lower feed costs by Rex Delsar Dianala.	1	AQD
Daily Guardian, July 25-26, 2020, on pages 6, 7. Inside the quarantine facility for shrimp with a PCR testing lab to keep out viruses.	1	AQD
Panay News, July 25-26, 2020, on page 13. Inside the quarantine facility for shrimp with a PCR testing lab to keep out viruses.	1	AQD
Mindanao Times, July 30, 2020, on pages 4, 5. Aqua-fisheries summit to be held.	1	AQD

Description	Types of media	Department
Mindanao Times, August 15, 2020, on page 5. Milkfish aqua feeds study launched in Eastern Samar.	1	AQD
Panay News, August 15 – 16, 2020, on page 15. From pollution to profit: Over P3-M shrimp harvested from a hectare by Rossea Hosillos-Ledesma.	1	AQD
Daily Guardian, August 17, 2020, on pages 6, 7. From pollution to profit: Over P3-M shrimp harvested from a hectare by Rossea Hosillos-Ledesma.	1	AQD
Daily Guardian, August 18, 2020, on page 6. Virtual forum underscores innovative tech, better practices on aquaculture by S. Salazar, K. S. Bernardino and J. R. A. Gabiota.	1	AQD
Panay News, August 18, 2020, on pages 13, 11. Virtual forum underscores innovative tech, better practices on aquaculture by S. Salazar, K. S. Bernardino and J. R. A. Gabiota.	1	AQD
Daily Guardian, August 25, 2020, on page 12. Southeast Asian Fisheries Development Center Aquaculture Department (Advertisement).	1	AQD
Daily Guardian, August 28, 2020, on page 8. EXPERT-O turn up useful tech innovations by S. Salazar and N. Factuar.	1	AQD
Panay News, August 28, 2020, on page B3. EXPERT-O turn up useful tech innovations by S. Salazar and N. Factuar.	1	AQD
Daily Guardian, August 29 – 30, 2020, on pages 1, 7. Conservation pushed to save native catfish by Rex Delsar Dianala.	1	AQD
Panay News, August 29 – 30, 2020, on pages 13, 11. Conservation urged to save native catfish by Rex Delsar Dianala.	1	AQD
Panay News, August 31, 2020, on pages 13, 11. DOST 6, PCAARRD, offer new rice & corn techs by J. R. A. Gabiota.	1	AQD
Daily Guardian, September 2, 2020, on page 6. DOST 6, PCAARRD, offer new rice & corn techs by J. R. A. Gabiota.	1	AQD
Philippine Daily Inquirer, September 9, 2020, on page A7. My life so far by Augustus C. Mamaril.	1	AQD
Daily Guardian, September 18, 2020, on pages 10 – 11. Lute turtle rescued in Culasi, hawksbill in Guimaras Island by Department of Environment and Natural Resources.	1	AQD
Panay News, September 19 – 20, 2020, on page 15. Seahorses get second life with SEAFDEC, NegOcc islanders' help by Juliana Rose Pagador.	1	AQD
Panay News, September 19 – 20, 2020, on page 15. Lute turtle rescued in Culasi, hawksbill in Guimaras Island by Department of Environment and Natural Resources.	1	AQD
Business Mirror, September 20, 2020, on page A7. Lute turtle rescued in Culasi, hawksbill on Guimaras Island.	1	AQD
Daily Guardian, September 30, 2020, on pages 6, 7. Agri-wastes eyed as cheap, eco-friendly source of fish feed by Juliana Rose Pagador.	1	AQD
Panay News, September 30, 2020, on page 13. Agri-wastes eyed as cheap, eco-friendly source of fish feed by Juliana Rose Pagador.	1	AQD
Philippine Information Agency, January 7, 2020. Tuna farming soon in PH as research project takes off. https://pia.gov.ph/news/articles/1032390	2	AQD

Description	Types of media	Department
The Daily Guardian, January 8, 2020. Tuna farming soon in PH as research project takes off by JM De La Cruz. https://dailyguardian.com.ph/tuna-farming-soon-in-ph-as-research-project-takes-off/	2	AQD
Panay News, January 8, 2020. Research project for tuna farming in PH takes off by JM De La Cruz. https://www.panaynews.net/research-project-for-tuna-farming-in-ph-takes-off/	2	AQD
Panay News, January 25, 2020. New species of soil-cleaning worm named after Iloilo by Rossea Hosillos-Ledesma. https://www.panaynews.net/new-species-of-soil-cleaning-worm-named-after-iloilo/	2	AQD
Daily Guardian, January 27, 2020. New species of soil-cleaning worm named after Iloilo by Rossea Hosillos-Ledesma. https://dailyguardian.com.ph/new-species-of-soil-cleaning-worm-named-after-iloilo/	2	AQD
Philippine Information Agency, January 28, 2020. New species of soil-cleaning worm named after Iloilo by Jaime S. Cabag, Rossea H. Ledesma. https://pia.gov.ph/news/articles/1033525	2	AQD
Iloilo Metropolitan Times, January 28, 2020. New species of soil-cleaning worm named after Iloilo by SEAFDEC & PIA-6. https://imtnews.net/new-species-of-soil-cleaning-worm-named-after-iloilo	2	AQD
Daily Guardian, January 29, 2020. Fisheries library goes digital by Joesyl Marie de la Cruz. https://dailyguardian.com.ph/fisheries-library-goes-digital/	2	AQD
Daily Guardian, February 7, 2020. Jump-start aquaculture business with coaching from experts by Rossea Hosillos-Ledesma. https://dailyguardian.com.ph/jump-start-aquaculture-business-with-coaching-from-experts/	2	AQD
Panay News, February 8, 2020. Jump-start aquaculture business with coaching from experts by Rossea Hosillos-Ledesma. https://www.panaynews.net/jump-start-aquaculture-business-with-coaching-from-experts/	2	AQD
Panay News, February 15, 2020. Iloilo HS teachers embark on research methodology training sponsored by Japan by Rossea Hosillos-Ledesma. https://www.panaynews.net/iloilo-hs-teachers-embark-on-research-methodology-training-sponsored-by-japan/	2	AQD
Manila Bulletin, February 15, 2020. BFAR to tap new catch documentation system to fight illegal fishing by Madelaine B.Miraflor. https://business.mb.com.ph/2020/02/14/bfar-to-tap-new-catch-documentation-system-to-fight-illegal-fishing/	2	AQD
Daily Guardian, February 15-16, 2020. Iloilo teachers join Japan-funded research methodology training by Rossea Hosillos-Ledesma. https://dailyguardian.com.ph/iloilo-teachers-join-japan-funded-research-methodology-training/	2	AQD
Panay News, February 22, 2020. SEAFDEC reminds shrimp growers to avoid stocking ponds during cold months by Rossea Hosillos-Ledesma. https://www.panaynews.net/seafdec-reminds-shrimp-growers-to-avoid-stocking-ponds-during-cold-months/	2	AQD

Description	Types of media	Department
Daily Guardian, February 22-23, 2020. SEAFDEC reminds shrimp growers to avoid stocking ponds during cold months by Rossea Hosillos-Ledesma. https://dailyguardian.com.ph/seafdec-reminds-shrimp-growers-to-avoid-stocking-ponds-during-cold-months/	2	AQD
Panay News, February 29, 2020. Mangrove-friendly crab culture, a lucrative source of livelihood by Rex Delsar B. Dianala. https://www.panaynews.net/mangrove-friendly-crab-culture-a-lucrative-source-of-livelihood/	2	AQD
Daily Guardian, February 29-March 1, 2020. Mangrove-friendly crab culture, a lucrative source of livelihood by Rex Delsar B. Dianala. https://dailyguardian.com.ph/mangrove-friendly-crab-culture-a-lucrative-source-of-livelihood/	2	AQD
Hatchery Interntional, March 5, 2020. Silver lining for overfished Philippines freshwater favourite by Nestor Arellano.	2	AQD
Daily Guardian, March 7, 2020. Study: Helping young fish see at night makes them grow faster by Joesyl Marie de la Cruz. https://dailyguardian.com.ph/study-helping-young-fish-see-at-night-makes-them-grow-fasterx/	2	AQD
Bombo Radyo, March 15, 2020, Lukon Farming, prayoridad sang SEAFDEC by Marvi Lene Villa. https://www.bomboradyo.com/iloilo/lukon-farming-prayoridad-sang-seafdec/	2	AQD
Daily Guardian, March 27, 2020. SEAFDEC upgrades feed mill to boost production of low-cost aquaculture feeds by Rossea Ledesma. https://dailyguardian.com.ph/seafdec-upgrades-feed-mill-to-boost-low-cost-aquaculture-feeds-production/	2	AQD
Panay News, March 28, 2020. SEAFDEC upgrades feed mill to boost production of low-cost aquaculture feeds by Rossea Ledesma. https://www.panaynews.net/seafdec-upgrades-feed-mill-to-boost-production-of-low-cost-aquaculture-feeds/	2	AQD
Daily Guardian, March 28 2020. UP Visayas lends RT PCR Machine to WVMC for COVID-19 testing. https://dailyguardian.com.ph/up-visayas-lends-rt-pcr-machine-to-wvmc-for-covid-19-testing/	2	AQD
Daily Guardian, April 4, 2020. Good news for crab farmers: Simple techniques double crablet production by Joesyl Marie de la Cruz. https://dailyguardian.com.ph/good-news-for-crab-farmers-simple-techniques-double-crablet-productionx/	2	AQD
Panay News, April 4-5, 2020. Good news for crab farmers: Simple techniques double crablet production by Joesyl Marie de la Cruz. https://www.panaynews.net/good-news-for-crab-farmers-simple-techniques-double-crablet-production/	2	AQD
Panay News, April 18-19, 2020, on page 9. SEAFDEC turns up the heat to meet bangus fry shortage. http://www.panaynews.net/seafdec-turns-up-the-heat-to-meet-bangus-fry-shortage/	2	AQD
Daily Guardian, May 7, 2020. Mysterious deaths in farmed crab linked to bad feed, water quality by Rex Delsar Dianala. https://dailyguardian.com.ph/mysterious-deaths-in-farmed-crab-linked-to-bad-feed-water-quality/	2	AQD
Panay News, May 8, 2020. Mysterious deaths in farmed crab linked to bad feed, water quality by Rex Delsar Dianala. https://www.panaynews.net/mysterious-deaths-in-farmed-crab-linked-to-bad-feed-water-quality/	2	AQD

Description	Types of media	Department
Bombo Radyo, May 17, 2020. ECQ, may positibo nga epekto sa marine life—BFAR, by Marvi Lene Villa. https://www.bomboradyo.com/iloilo/ecq-may-positibo-nga-epekto-sa-marine-life-bfar/	2	AQD
The Fish Site, 20 May 2020. Farmers feel the pinch after crab deal goes wrong. https://thefishsite.com/articles/farmers-feel-the-pinch-after-crab-deal-goes-wrong	2	AQD
Daily Guardian, May 20, 2020. Expert warns crab farmers against ‘fake’ king crablets by Joesyl Marie de la Cruz. https://dailyguardian.com.ph/expert-warns-crab-farmers-against-fake-king-crablets/	2	AQD
Panay News, May 23-24, 2020. Expert warns crab farmers against ‘fake’ king crablets by Joesyl Marie de la Cruz http://www.panaynews.net/expert-warns-crab-farmers-against-fake-king-crablets/	2	AQD
Daily Guardian, May 29, 2020. Sandfish: expensive, endangered, and ecologically essential by Rossea Ledesma https://dailyguardian.com.ph/sandfish-expensive-endangered-and-ecologically-essential/	2	AQD
Panay News, May 30, 2020. Sandfish: expensive, endangered, and ecologically essential by Rossea Ledesma https://www.panaynews.net/sandfish-expensive-endangered-and-ecologically-essential/	2	AQD
Daily Guardian, June 10, 2020. Fisheries center renews call for students to do research, use labs, services by Rossea Ledesma. https://dailyguardian.com.ph/fisheries-center-renews-call-for-students-to-do-research-use-labs-servicesx1/	2	AQD
Panay News, June 10, 2020. Reading “Tic-Tac-Toe” by Peter Solis Nery. http://www.panaynews.net/reading-tic-tac-toe/	2	AQD
Panay News, June 13-14, 2020. Fisheries center renews call for students to do research, use labs, services by Rossea Ledesma. https://www.panaynews.net/fisheries-center-renews-call-for-students-to-do-research-use-labs-services/	2	AQD
Daily Guardian, July 11-12, 2020. Capiz aquafarmers hurt by lockdown by Rex Delsar Dianala. https://dailyguardian.com.ph/capiz-aquafarmers-hurt-by-lockdown/	2	AQD
Panay News, July 11-12, 2020. Capiz aquafarmers hurt by lockdown woes; seek help to lower feed costs by Rex Delsar Dianala. http://www.panaynews.net/capiz-aquafarmers-hurt-by-lockdown-woes-seek-help-to-lower-feed-costs/	2	AQD
Daily Guardian, July 25-26, 2020. Inside the quarantine facility for shrimp with a PCR testing lab to keep out viruses. https://dailyguardian.com.ph/inside-the-quarantine-facility-for-shrimp-with-pcr-testing-lab-to-keep-out-viruses/	2	AQD
Panay News, July 25-26, 2020, on page 13. Inside the quarantine facility for shrimp with a PCR testing lab to keep out viruses. https://www.panaynews.net/inside-the-quarantine-facility-for-shrimp-with-a-pcr-testing-lab-to-keep-out-viruses/	2	AQD
Philippine News Agency. July 29, 2020. DavOr to host 1st Aqua-fisheries Summit in August by Prexx Marnie Kate Trozo. https://www.pna.gov.ph/articles/1110439	2	AQD
Philippine News Agency. August 13, 2020. Milkfish aqua feeds study launched in Eastern Samar by Sarwell Meniano. https://www.pna.gov.ph/articles/1112140	2	AQD

Description	Types of media	Department
Daily Guardian, August 17, 2020. Over P2-M of shrimp harvested from a hectare by Rossea Hosillos-Ledesma. https://dailyguardian.com.ph/from-pollution-to-profit-over-p3-m-of-shrimp-harvested-from-a-hectare/	2	AQD
Panay News, August 15 – 16, 2020. From pollution to profit: Over P3-M shrimp harvested from a hectare by Rossea Hosillos-Ledesma. https://www.panaynews.net/from-pollution-to-profit-over-p3-m-of-shrimp-harvested-from-a-hectare/	2	AQD
Daily Guardian, August 18, 2020. Virtual forum underscores innovative tech, better practices on aquaculture by S. Salazar, K. S. Bernardino and J. R. A. Gabiota. https://dailyguardian.com.ph/virtual-forum-underscores-innovative-tech-better-practices-on-aquaculture/	2	AQD
Panay News, August 18, 2020. Virtual forum underscores innovative tech, better practices on aquaculture by S. Salazar, K. S. Bernardino and J. R. A. Gabiota. https://www.panaynews.net/virtual-forum-underscores-innovative-tech-better-practices-on-aquaculture/	2	AQD
Daily Guardian, August 28, 2020. EXPERT-O turn up useful tech innovations by S. Salazar and N. Factuar. https://dailyguardian.com.ph/expert-o-turn-up-useful-tech-innovations/	2	AQD
Panay News, August 28, 2020, on page B3. EXPERT-O turn up useful tech innovations by S. Salazar and N. Factuar. https://www.panaynews.net/expert-o-turn-up-useful-tech-innovations/	2	AQD
Daily Guardian, August 29 – 30, 2020, on pages 1, 7. Conservation pushed to save native catfish by Rex Delsar Dianala. https://dailyguardian.com.ph/conservation-pushed-to-save-native-catfish/	2	AQD
Panay News, August 29 – 30, 2020. Conservation urged to save native catfish by Rex Delsar Dianala. https://www.panaynews.net/conservation-urged-to-save-native-catfish/	2	AQD
Panay News, August 31, 2020. DOST 6, PCAARRD, offer new rice & corn techs by J. R. A. Gabiota. https://www.panaynews.net/dost-6-pcaarrd-offer-new-rice-and-corn-techs/	2	AQD
Daily Guardian, September 2, 2020. DOST 6, PCAARRD, offer new rice & corn techs by J. R. A. Gabiota. https://dailyguardian.com.ph/dost-6-pcaarrd-offer-new-rice-corn-techs/	2	AQD
Philippine Daily Inquirer, September 9, 2020. My life so far by Augustus C. Mamaril. https://opinion.inquirer.net/133418/my-life-so-far	2	AQD
Daily Guardian, September 18, 2020. Lute turtle rescued in Culasi, hawksbill in Guimaras Island by Department of Environment and Natural Resources. https://dailyguardian.com.ph/lute-turtle-rescued-in-culasi-hawksbill-in-guimaras-island/	2	AQD
Panay News, September 19 – 20, 2020. Seahorses get second life with SEAFDEC, NegOcc islanders' help by Juliana Rose Pagador. https://www.panaynews.net/seahorses-get-second-life-with-seafdec-negocc-islanders-help/	2	AQD

Description	Types of media	Department
Panay News, September 19 – 20, 2020. Lute turtle rescued in Culasi, hawksbill in Guimaras Island by Department of Environment and Natural Resources. https://www.panaynews.net/lute-turtle-rescued-in-culasi-hawksbill-in-guimaras-island/	2	AQD
Business Mirror, September 20, 2020. Lute turtle rescued in Culasi, hawksbill on Guimaras Island. https://businessmirror.com.ph/2020/09/20/lute-turtle-rescued-in-culasi-hawksbill-on-guimaras-island/	2	AQD
Daily Guardian, September 30, 2020. Agri-wastes eyed as cheap, eco-friendly source of fish feed by Juliana Rose Pagador. https://dailyguardian.com.ph/agri-wastes-eyed-as-cheap-eco-friendly-source-of-fish-feed/	2	AQD
Panay News, September 30, 2020. Agri-wastes eyed as cheap, eco-friendly source of fish feed by Juliana Rose Pagador. https://www.panaynews.net/agri-wastes-eyed-as-cheap-eco-friendly-source-of-fish-feed/	2	AQD
Bombo Radyo Iloilo, March 15, 2020, in Good Morning Philippines. Oplan Balik Sugpo. https://www.facebook.com/seafdec.aqd/posts/2958394314206080	3	AQD
Bombo Radyo Iloilo, May 17, 2020, in Good Morning Philippines. FishWorld, https://www.facebook.com/watch/live/?v=244979776596771	3	AQD
GMA Public Affairs, August 2, 2020, in Born to be Wild. Born to be Wild: Marine life sightings during community quarantine. https://youtu.be/ql0EgJJCh8	4	AQD
3 bot ditenggelamkan jadi tukun tiruan (Harian Metro, 26.7.2020)	1	MFRDMD
Tiga bot nelayan asing lucuthak dilupuskan (Berita Harian, 26.7.2020)	1	MFRDMD
13 bot nelayan asing ditenggelamkan sehingga julai ini - MAFI (Utusan Borneo Online, 27.7.2020)	1	MFRDMD
Kapal Nelayan Asing Dijadikan Tukun Tiruan (Harakahdaily.net, 30 Jun 2020)	2	MFRDMD
Maritim Malaysia Lupus Bot Vietnam (BH Online, 19 Julai 2020)	2	MFRDMD
APMM Terengganu Sita Tujuh Bot, Tahan 83 Nelayan Vietnam (Sinarharian.com.my, 19 Julai 2020)	2	MFRDMD
153 Bot Nelayan Asing Jadi Tukun Tiruan (Berita RTM, 1 Julai 2020)	4	MFRDMD
SEAFDEC/IFRDMD collaborating with RIIFE and BBWS VIII Sumatera through Australian Water Partnership (AWP) initiating to create collaboration between Marine and Fisheries Ministry and Ministry of Public Works and People's Housing in the management of water resources that support the protection of aquatic biodiversity for sustainable development	2	IFRDMD

Category:

1. Newspaper/magazines
2. Websites
3. Radio
4. Television

Appendix 10

SEAFDEC Participation in Events Organized by Other (non-SEAFDEC) Organizations in 2020

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
Regional workshop on sharing national priorities for addressing illegal, unreported, and unregulated (IUU) fishing in the Bay of Bengal and Gulf of Thailand (TCP/RAS/3621) (14-15 January 2020, Bangkok, Thailand)	-	-	FAO	1	SEC(1)
28 th Session of the Asia and Pacific Commission on Agricultural Statistics (10-14 February 2020, Bali, Indonesia)	1	-	FAO/RAP	1	SEC(1)
Workshop on Reducing Abundance and Impacts of Ghost Fishing Gear (13 February 2020, Bangkok, Thailand)	-	-	IUCN	1	SEC (1)
FAO/APRACA Project Meeting on Capacity Development in Micro-finance, Credit and Insurance in Small-scale Fisheries (29 April 2020, teleconference)	-	-	FAO/APRAC A	1	SEC (1)
The 12 th International Forum on IUU Fishing (18-22 May 2020, Teleconference London, UK)	1	-	Chatham House	1	SEC(1)
Technical Workshop on the Development of an ASEAN General Fisheries Policy (AGFP) Feasibility Study (27-28 May 2020, Virtual Meeting)	-	-	ASEAN	1	SEC (1)
Small is Bountiful: The Contribution of Small-Scale Fisheries to Ocean Sustainability and Innovation (1-8 June 2020, YouTube channel)	-	-	TBTI	1	SEC (1)
United Nations World Oceans Day “Innovations for a Sustainable Ocean) (8 June 2020, Virtual Meeting)	-	-	FAO	1	SEC (4)
10 th Meeting of ASEAN Shrimp Alliance (ASA) (22 June 2020, Bangkok Thailand)	-	-	DOF Thailand	1	SEC(1)
12 th Meeting of the ASEAN Fisheries Consultative Group (AFCF) (23 June 2020, Virtual Meeting)	-	-	ASEAN Secretariat	1	SEC(3)
28 th Meeting of the ASEAN Sectoral Working Group on Fisheries (ASWGF) (24 June 2020, Virtual Meeting)	-	-	ASEAN Secretariat	1	SEC(3)
National Webinar on Fisheries and Aquaculture Industry in COVID Times: Challenges and a Roadmap Ahead (16 July 2020, Webinar in	1	-	the Associated Chambers of Commerce and Industry	1	SEC(1)

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
India)			of India (ASSOCHAM)		
What does the Post 2020 Global Biodiversity Framework mean for Fisheries and Aquaculture? (15 July 2020, Virtual Dialogue)	-	-	FAO	1	SEC(2)
Virtual Dialogue on the Path to the 34 th Session of the FAO Committee on Fisheries: <i>Illuminating Hidden Harvests: The Contribution Of Small-Scale Fisheries To Sustainable Development</i> (17 July 2020, Virtual Dialogue)	-	-	FAO	1	SEC(2)
Virtual Dialogue on the Path to the 34 th Session of the FAO Committee on Fisheries: <i>Impacts of COVID-19 on fisheries and aquaculture: Effects, good practices and recommendations</i> (17 July 2020, Virtual Dialogue)	-	-	FAO	1	SEC(2)
35 th Session of the FAO Regional Conference for Asia and the Pacific (1-4 September 2020, Virtual Meeting)	-	-	FAO/RAP	1	SEC (4)
The Regional Workshop on Assessing the Needs of AMS in Implementing the FAO Voluntary Guidelines for Securing Sustainable Small-Scale Fisheries in the Context of Food Security and Poverty Eradication to Support Access to Markets (16-17 September 2020, videoconference in Jakarta, Indonesia)	1	-	Ministry of Marine Affairs and Fisheries of Indonesia, ASEAN Secretariat, FAO, and SEAFDEC	1	SEC(5)
ASEAN-FEN Webinar 2020 (10-11 October 2020, Webinar)	1	-	the ASEAN Fisheries Education Network (ASEAN-FEN)	1	SEC(4)
3 rd Asia-Pacific Day for the Ocean (29 October 2020, Virtual Meeting)	-	-	UN/ESCAP	1	SEC (2)
USAID Oceans on eCDT Technology Showcase for Marine and Freshwater Fisheries Management (13-17 January 2020, Lao PDR)	1	-	USAID Ocean	1	TD (2)
Regional Workshop on Gender Integration on Fisheries (21-23 January 2020, Bangkok)	-	-	USAID Ocean	1	TD (3)
USAID Oceans Philippines Project Closeout Event (4-6 February 2020, Philippines)	-	-	USAID Ocean	1	TD (1)
Workshop on Reducing Abundance and Impacts of Ghost Fishing Gear	-	-	IUCN	1	TD (1)

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
(13 February 2020, Bangkok, Thailand)					
The Capacity Building on Global Marine Debris Monitoring and Modelling (17-21 February 2020, Indonesia)	-	-	ASIA-Pacific Economic Cooperation (APEC)	1	TD (1)
The 12 th International Teleconference on IUU Fishing Forum through Zoom Webinar (18-22 May 2020)	-	-	Chatham House	1	TD (1)
Teleconference on FAO/NORAD Small-scale Fisheries Project (2016-2019) Through Skype (20 May 2020)	-	-	FAO	1	TD (1)
Telemeeting on Plan of Action on Small-scale Fisheries through Skype (20 May 2020)	-	-	FAO	1	TD (1)
FAO/APRACA Project Meeting on Capacity Development in Micro-finance, Credit and Insurance in Small-scale Fisheries (29 April 2020, teleconference)	-	-	FAO/APRAC A	1	TD (1)
The 12th Meeting of the ASEAN Fisheries Consultative Forum (12 th AFCCF Virtual Meeting) through Blue Jean Application (23 June 2020)	-	-	ASEAN	1	TD (10)
The 7 th Event in the Zoom-enabled Maritime Discussion Series being Delivered in Partnership with The Pacific Forum through Zoom Webinar (4 September 2020)	1	-	Yokosuka Council on Asia-Pacific Studies (YCAPS)	1	TD (1)
The 58 th Kasetsart University Annual Conference: Inno-creative Thailand for Sustainable Development Goals (SDGs) (5-7 February 2020, Bangkok)	-	-	Kasetsart University	2	TD (6)
Workshop on the Port State Measures for Inspector (10-20 February 2020, TD, Samut Prakan)	-	-	DOF Thailand	2	TD (2)
World Wildlife Day 2020 (3 March 2020, Pathum Thani)	-	-	Department of National Parks, Wildlife and Plant Conservation	2	TD (2)
2 nd Committee Meeting on Strategies Plan for Sustainable Development in Sea of Thailand (10-11 March 2020, Trat Province)	-	-	Department of Marine and Coastal Resources	2	TD (1)
Meeting on Collaboration Survey and Research on Marine Litter and Ghost Fish Gears (23 March 2020, Bangkok)	-	-	Department of Marine and Coastal Resources	2	TD (3)
Meeting on Monitoring the Tsunami Buoy (20 July 2020, Bangkok)	-	-	Department of Disaster Prevention and Mitigation	2	TD (2)
Committee Meeting on 7 th Marine	-	-	Department of	1	TD (2)

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
Science Conference (29 September 2020, Bangkok)			Marine and Coastal Resources		
Global Seaweed STAR Capacity Building Workshop for the Bioinformatics Analysis of Seaweed Microbiomes (7-17 February 2020; Kuala Lumpur, Malaysia)	-	-	University of Malaya	1	AQD (1)
Global Seaweed STAR Workshop; Capacity building workshop on seaweed taxonomy and fieldwork (01-15 March 2020; University of Dar es Salaam and Zanzibar, Tanzania)	-	-	Global Seaweed STAR United Kingdom	1	AQD (1)
Regional Workshop on the Development of an Aquatic Genetic Resources Registry (22 June 2020; online)	-	-	Food and Agriculture Organization (FAO)	1	AQD (1)
FAO AMR Program Lecture Series: Proposal Writing and Research Collaboration (7 July 2020; online)	1	-	Department of Agriculture and Bureau of Animal Industry and FAO	1	AQD (1)
OIE Regional virtual meeting on Decapod Iridescent Virus 1 (20 August 2020; online)	-	-	OIE	1	AQD (1)
13 th Technical Advisory Committee Meeting [TAC 13] (26-28 August 2020; online)	-	-	NACA	1	AQD (1)
House of Representatives Committee on Aquaculture and Fisheries Resources Meeting (28 January 2020; Manila)	-	-	-	2	AQD (1)
BFAR-IFAD Meeting regarding the feasibility of the Legislated Hatchery Resources (10 February 2020; Manila)	-	-	BFAR-IFAD	2	AQD (1)
Two-day Foundation Course on Intellectual Property (19-22 February 2020; Taguig City)	-	-	IPOPHL	2	AQD (1)
R&D needs and collaborations with BFAR National Centers for CY2020 implementation and presented Aquafeed Project (18 February 2020; Quezon City)	-	-	BFAR	2	AQD (1)
Technical Working Group Meeting with the Committee on Aquaculture and Fisheries Resource at the House of Representatives (19 February 2020; Manila)	-	-	Philippine House of Representatives	2	AQD (1)
Meeting Updates with Negros Prawn Producers Cooperative (21 February 2020; Bacolod City)	-	-	PHILSHRIMP Industry Inc.	2	AQD (1)

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
Seminar of Integrated Chemists of the Philippines (ICP) entitled “Hazardous Waste Management & Updated Regulatory Guidance for Laboratories.” (06 March 2020; Bacolod City)	-	-	Integrated Chemists of the Philippines – Bacolod Chapter	2	AQD (1)
Consultative Meeting for the Implementing Rules and Regulations for the Philippines Fisheries Profession Act (12 March 2020; Manila)	-	-	Professional Regulation Commission – Professional Regulatory Board of Fisheries	2	AQD (1)
Introduction to Patent Search and Basic Claim Drafting Training Course (03-14 March 2020; Taguig City)	-	-	IPOPHL	2	AQD (1)
DOST TREP Meeting as evaluator of new and non-going proposals (11 March 2020; Los Baños, Manila)	-	-	DOST-PCAARD	2	AQD (1)
Meeting on the formulation of the IRR of the new Fisheries Law upon the invitation of the Professional Regulatory Board of Fisheries (12 March 2020; Pasay City)	-	-	DOST-PCAARD	2	AQD (1)
Philippine Shrimp Aquaculture in the Midst of the COVID-19 Pandemic (29 May 2020; online)	1	-	Biosolutions International and Negros Prawn Producers Cooperative	2	AQD (1)
Regional Workshop on the Development of an Aquatic Genetic Resources Registry (22 June 2020; online)	-	-	Food and Agriculture Organization (FAO)	1	AQD (1)
40 th Philippine-American Academy of Science and Engineering (PAASE) and 2020 APAMS Annual Scientific Meeting Philippines (5 July 2020; online)	1	-	-	2	AQD (1)
Webinar on Innovative Technologies in Improving Aquaculture Practices (7 August 2020; online)	4	-	DOST Region 6	2	AQD (4)
Meeting with House Committee on Aquaculture and Fisheries Resources (27 August 2020; online)	-	-	Philippine House of Representatives	2	AQD (1)
Environmental Governance Webinar Series [Environmental Justice Sector Reform Project] (2 September 2020, online)	1	-	Tanggol Kalikasan, Don Mariano Marcos Memorial State University, La Union	2	AQD (1)

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
			Provincial Office of the Department of Interior and Local Government		
2 nd TWG Meeting on the Improvement of Risk Assessment Analysis for Fish Species Introduced in Inland Waters as per invitation from BFAR NIFTC, Tanay (19 August 2020, BFAR Tanay)	-	-	BFAR-NIFTC	2	AQD (1)
3 rd TWG meeting on the Improvement of Risk Assessment Analysis for Fish Species Introduced in Inland Waters as per invitation from BFAR NIFTC (09 September 2020; BNFRDI-FFRDC Batangas)	-	-	BFAR-NIFTC	2	AQD (1)
USAID Oceans and Fisheries Partnership Regional Workshop on Gender Integration in Fisheries, 21-23 January 2020, Bangkok, Thailand.	-	-	USAID	1	MFRDMD (1)
The Preparatory Meeting for the Next JAIF Project on Tropical Anguillid Eel Resources in Southeast Asia, 3 February 2020, Bangkok, Thailand.	-	-	JAIF	1	MFRDMD (1)
Practical Workshop on Stock Assessments of Longtail (LOT) and Kawakawa (KAW) in Southeast Asian Waters, 10-15 February 2020, Bangkok, Thailand.	-	-	SEAFDEC TD	1	MFRDMD (2)
JAIF Project Plan Skype Meeting, 3 May 2020 (Skype Meeting)	-	-	JAIF	1	MFRDMD (2)
International Day for the Fight Against IUU Fishing, 5 June 2020 (Online Meeting)	-	-	FAO	1	MFRDMD (1)
Forum Perkhidmatan Akuakultur (FORAS)- online, 17 May 2020, UMT	1	-	UMT	2	MFRDMD (10)
Meeting with INOS, 8 June 2020	1	-	UMT	2	MFRDMD (1)
Underwater photography Course, 4-8 October 2020	1	-	Pusat Taman Laut Pulau Perhentian, Terengganu, Malaysia	2	MFRDMD (1)
Webinar of writing the scientific paper. by Teleconference Zoom Meeting Platform. on 12 June 2020, with a presentation entitled: Techniques for Writing Scientific Papers	1	-	the Indonesian Fisheries Extension Association of Bengkulu Province.	2	IFRDMD

Title of events (Date, Venue)	No. of presentations by SEAFDEC		Organizer	Category	Department
	Oral	Poster			
Webinar of the simple steps to write the scientific paper for the fisheries field by Teleconference Zoom Meeting Platform. on 17 June 2020, with a presentation entitled: Writing Scientific Papers from a Researcher's Point of View.	1	-	the Indonesian Fisheries Extension Association of Lampung Province.	2	IFRDMD
Webinar of freshwater fish aquaculture. by Teleconference Zoom Meeting Platform. on 15 June 2020, with a presentation entitled: Freshwater fish diversity and its opportunity to culture.	1	-	Aquaculture Program of Muhammadiyah University, Palembang.	2	IFRDMD
Webinar of local fish of South Sumatra Province. by Teleconference Zoom Meeting Platform. On 21 Juli 2020. with a presentation entitled: The local fish commodity of South Sumatra Province: export potency.	1	-	Fisheries Faculty of PGRI University, Palembang.	2	IFRDMD
Webinar of actualize independent, advanced and sustainable management of lowland fishery management. by Teleconference Zoom Meeting Platform. 11 September 2020. with a presentation entitled: Potential of Lowland Fish and Government Support in Developing its Fisheries Activity.	1	-	Center for Indonesian Lowland Fisheries Studies and Development	2	IFRDMD
Webinar of Inland Fisheries Management in Indonesia	1	-	Mataram UIniversity	2	IFRDMD
The Webinar of "PEKAN BAHARI II" 14 October 2020 held by Bangka Belitung University Indonesia	1	-	Dept. Aquatic Management Resources, University of Bangka Belitung	2	IFRDMD
3 rd ISTE's National Workshop 2020 via Online on October 14 th ,2020	1	-	Indonesian Society for Tropical eel (ISTEs)	2	IFRDMD

Category:

- 1) International/regional level
- 3) Visit to Member Countries

- 2) National level

List of Events Organized by SEAFDEC in 2020

Title (Date, Venue)	Category	Number of Participants														Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male	
The Project Planning Meeting for the JAIF Project on “Development of Stock Assessment Methods and Strengthening of Resources Management Measures for Tropical Anguillid Eel in Southeast Asia” (3 February 2020, Bangkok, Thailand)	1	18	0	1	2	3	1	1	1	2	0	1	2	0	32	8	25	Sec
Teleconference Session for the 52 nd SEAFDEC Council Meeting (19 May 2020, Teleconference Fukuoka, Japan)	1	30	2	2	2	2	2	2	0	3	3	2	2	0	52	19	33	Sec
SEAFDEC-Sweden Project Final Review Meeting (23 April 2020, Teleconference, Bangkok, Thailand)	1	4	0	0	0	0	0	0	0	0	0	0	0	2	6	5	1	Sec
Webinar on Impact of COVID-19 on Fisheries and Aquaculture in Southeast Asia (2-3 July 2020, Webinar, Bangkok, Thailand)	1	99	3	6	24	29	0	66	32	61	3	111	15	60	509	276	233	Sec
Kick-Off Meeting with SEAFDEC on Local Solutions Task Order (17 September 2020, Virtual Meeting)	1	8	0	0	0	0	0	0	0	0	0	0	0	8	16	8	8	Sec
Webinar on Fisheries Subsidies: Southeast Asian Region Perspective (23-24 September 2020, Webinar, Bangkok, Thailand)	1	26	0	3	6	3	0	4	7	27	2	8	2	5	93	57	36	Sec
Practical Workshop on Stock and Risk Assessments of Longtail Tuna and Kawakawa in the Southeast Asian Waters (10-15 February 2020, Samut Prakan, Thailand)	2	7	2	1	1	2	0	1	1	0	0	4	1	0	20	4	16	Sec
Field survey in Phitsanulok Province, Thailand on GIS Mapping Project, (5-7 November 2020, Phitsanulok Province, Thailand)	5	5	0	0	0	0	0	0	0	0	0	1	0	0	6	3	3	Sec
Inter-Departmental Information Workshop (4-7 February 2020, Bangkok, Thailand)	8	17	0	0	0	0	0	0	0	0	0	0	0	0	17	8	9	Sec
Departmental Meeting for the ASEAN-JICA Food Value Chain Project (5-6 February 2020, Singapore)	8	4	0	0	0	0	0	0	0	0	0	0	0	1	5	0	5	Sec

Title (Date, Venue)	Category	Number of Participants														Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male	
SEAFDEC Inter-Departmental Teleconference Meeting on Online Training Course (5 May 2020, Teleconference Bangkok, Thailand)	8	17	0	0	0	0	0	0	0	0	0	0	0	0	17	11	6	Sec
Inter-Departmental Workshop on Preparation for SEASOFIA 2022 (6-7 August 2020, Teleconference, Bangkok, Thailand)	8	29	0	0	0	0	0	0	0	0	0	0	0	0	29	15	14	Sec
Second Inter-Departmental Workshop on Preparation for SEASOFIA 2022 (1 Oct 2020, Teleconference, Bangkok, Thailand)	8	34	0	0	0	0	0	0	0	0	0	0	0	0	34	19	15	Sec
The SEAFDEC Inter-Departmental Workshop to gather views on the conduct of the Study on Impacts of COVID-19 Pandemic on the Fisheries Sector of ASEAN-SEAFDEC Member Countries (7 October 2020, Videoconference Bangkok, Thailand)	8	25	0	0	0	0	0	0	0	0	0	0	0	0	25	14	11	Sec
Meeting on Formation of a Center of Excellence for Marine Plastic Pollution Studies in the Southeast Asian Seas Project, 20 January 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	10	0	0	0	4	0	0	0	0	0	1	0	0	15	4	11	TD
The 3 rd Regional Scientific and Technical Committee for the SEAFDEC/UNEP/GEF Project on Fisheries <i>Refugia</i> , 5-7 February 2020, Viet Nam	1	7	0	1	1	0	0	2	0	1	0	2	2	1	17	4	13	TD
Ad-hoc Meeting of the Project Steering Committee for the SEAFDEC/UN Environment/GEF Project on Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in the South China Sea and Gulf of Thailand through the Zoom Webinar, 16 June 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	6	0	2	2	0	0	2	0	2	0	2	2	1	19	6	13	TD
The Seminar on Effective Approach and Method to Promote Fisheries Resources Management in Small-	1	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	65	27	38	TD

Title (Date, Venue)	Category	Number of Participants														Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male	
scale Fisheries through the Google Meet, 29 June 2020, SEAFDEC/TD, Samut Prakan, Thailand																		
SEAFDEC/NOAA Capacity Building Workshop on EAFM Management Tools through the Google Meet, 20-24 July 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	8	0	0	0	0	0	0	0	0	0	0	0	8	16	9	7	TD
Regional consultation Teleworkshop on the Utilization of Fisheries Geographic Information System (FGIS) and Remote Sensing (RS) to Improve Fisheries Management in Southeast Asia through the Google Meet, 20 August 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	16	2	2	2	0	0	4	3	0	1	1	3	0	34	9	24	TD
Teleseminar on Way Forward for Combating IUU Fishing in Southeast Asia through the Zoom Webinar, 24-26 August 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	31	6	7	14	7	2	8	3	118	3	26	4	55	284	140	144	TD
Teleworkshop on Development and Improvement of Regional Tools for Combating IUU fishing in the Southeast Asia through the Zoom Webinar, 27-28 August 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	21	2	3	3	0	3	3	6	7	4	4	3	0	58	25	33	TD
Regional Consultation Workshop on Developing a Plan of Activities for Resource Enhancement in Southeast Asian region through Google Meet, 15 September 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	10	2	2	3	0	0	2	2	3	0	2	4	0	30	9	21	TD
Online Regional Technical Meeting on Reducing Negative Impact to Ecosystem, Optimizing Energy and Fuel Consumption, and Enhancing Safety in Fishing Practices in Southeast Asia through Google Meet, 21 and 28 September 2020, SEAFDEC/TD, Samut Prakan, Thailand	1	22	2	3	0	0	0	2	2	0	1	2	2	0	37	4	33	TD
Workshop on Key Stakeholders Engagement and Define FMU for EAFM Krabi, 5-7 February 2020, Krabi,	2	3	0	0	0	0	0	0	0	0	0	28	0	0	31	15	16	TD

Title (Date, Venue)	Category	Number of Participants														Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male	
Thailand																		
The Meeting on Introduction on Electronic ASEAN Catch Documentation Scheme (eACDS) in Cambodia, 17-19 February 2020, Cambodia	2	3	0	24	0	0	0	0	0	0	0	0	0	0	27	4	23	TD
The Workshop for Adaptive EAFM to Fisheries Management, 24-25 June 2020, Phrea, Thailand	2	0	0	0	0	0	0	0	0	0	0	24	0	0	24	6	18	TD
The Online Training on Fish Handling Techniques Onboard Fishing Vessels through the Google Meet and Google Class, 3-7 August 2020, SEAFDEC/TD, Samut Prakan, Thailand	3		10	1	4	0	0	2	0	2	0	2	2	0	23	4	21	TD
The Online Regional Training Course Design of Sampling Gear for Onboard Fisheries Resource Survey through the Google Meet, 31 August-4 September 2020, SEAFDEC/TD, Samut Prakan, Thailand	3	0	2	2	2	0	2	2	3	2	0	2	2	0	19	7	12	TD
Training on Inland Fishing Gears for Thai DOF Officers, 24-28 February 2020, SEAFDEC/TD, Samut Prakan, Thailand	4	0	0	0	0	0	0	0	0	0	0	32	0	0	32	11	22	TD
Practical Workshop on Model Construction and Structure of Commercial Fishing Gear, 3-7 August 2020, SEAFDEC/TD, Samut Prakan, Thailand	4	0	0	0	0	0	0	0	0	0	0	36	0	0	36	1	35	TD
Online Training on the Use of Electronic ASEAN Catch Documentation Schemes (eACDS) Application Version 2 for Viet Nam through the Skype, 13-14 August 2020, SEAFDEC/TD, Samut Prakan, Thailand	4	0	0	0	0	0	0	0	0	0	0	0	13	0	13	2	11	TD
On-site Training for Enumerator on Gender Concept and Analysis and Development of a Data Collection Protocol, 25-27 August 2020, Suratthani, Thailand	4	0	0	0	0	0	0	0	0	0	0	14	0	0	14	6	8	TD
Training on Development and Increase Income for Local Fishing Communities, 26-27 August 2020, Phrea, Thailand	4	0	0	0	0	0	0	0	0	0	0	38	0	0	38	14	14	TD

Title (Date, Venue)	Category	Number of Participants															Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male		
Online Training on the Use of Electronic ASEAN Catch Documentation System (eACDS) Application for Brunei Darussalam through the Google Meet, 2-3 September 2020, SEAFDEC/TD, Samut Prakan, Thailand	4	0	10	0	0	0	0	0	0	0	0	0	0	0	10	0	10	TD	
Online Training on the Use of Electronic ASEAN Catch Documentation System (eACDS) Application for Malaysia through the Google Meet, 10-11 September 2020, SEAFDEC/TD, Samut Prakan, Thailand	4	0	0	0	0	0	0	8	0	0	0	0	0	0	8	5	3	TD	
Training on Ecosystem Approach to Fisheries Management (EAFM), 14-18 September 2020, Ranong, Thailand	4	0	0	0	0	0	0	0	0	0	0	16	0	0	16	9	7	TD	
Burapha University, 7 November-4 December 2020, SEAFDEC/TD, Samut Prakan, Thailand	7	0	0	0	0	0	0	0	0	0	0	3	0	0	3	2	1	TD	
Silapakorn University, 8 December 2020-31 March 2021, SEAFDEC/TD, Samut Prakan, Thailand	7	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	TD	
In-house Training on Ecosystem Approach to Fisheries Management Inland, 27 January 2020, SEAFDEC Secretariat, Bangkok, Thailand	8	13	0	0	0	0	0	0	0	0	0	0	0	0	13	9	4	TD	
In-house Training on Google Meet and Google Class, 12 June 2020, SEAFDEC/TD, Samut Prakan, Thailand	8	29	0	0	0	0	0	0	0	0	0	0	0	0	29	17	12	TD	
Distance Learning Course on Principles of Aquaculture Nutrition (ANOL); online 21 September – 20 December 2020	3	2	1	1	1	0	0	0	1	6	2	0	0	0	0	6	8	AQD	
Training Course on Research Methodologies & Technical Writing (AQD's Tigbauan Main Station, Iloilo) 28-30 January 2020	4	0	0	0	0	0	0	0	0	22	0	0	0	0	0	20	2	AQD	

Title (Date, Venue)	Category	Number of Participants														Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male	
Training Workshop on Effective Presentation Skills (AQD's Tigbauan Main Station, Iloilo) 16-17 July 2020	4	29	0	0	0	0	0	0	0	0	0	0	0	0	0	22	7	AQD
FishKwela: Online Training Course on Milkfish & Mangrove Crab Hatchery Technologies (Batch 1); online 1-4 September 2020	4	0	0	0	0	0	0	0	0	25	0	0	0	0	0	12	13	AQD
FishKwela: Online Training Course on Milkfish & Mangrove Crab Hatchery Technologies (Batch 2); online 14-17 September 2020	4	0	0	0	0	0	0	0	0	23	0	0	0	0	0	6	17	AQD
Internships	6	0	0	0	0	0	0	0	0	9	0	0	0	0	0	4	5	AQD
On-the-Job Trainings	7	0	0	0	0	0	0	0	0	40	0	0	0	0	0	25	15	AQD
Program Lonjakan Aplikasi Sistem Fish Site Identification (FSI) Tuna, 9-15 Ogos 2020, Kota Kinabalu, Sabah	2	3	0	0	0	0	0	29	0	0	0	0	0	0	32	3	29	MFRDMD
Program Lonjakan Aplikasi Sistem Fish Site Identification (FSI) Tuna, 17 Ogos 2020, Tok Bali, Kelantan, Malaysia	2	4	0	0	0	0	0	0	0	0	0	0	0	0	33	2	35	MFRDMD
Bengkel Pengutipan Data Pendaratan Yu dan Pari Bil. 1/2020, 24-27 Ogos 2020, MFRDMD	2	4	0	0	0	0	0	10	0	0	0	0	0	0	14	8	6	MFRDMD
Program Lonjakan Aplikasi Sistem Fish Site Identification (FSI) Tuna, 8 September 2020, Sitiawan, Perak, Malaysia	2	5	0	0	0	0	0	28	0	0	0	0	0	0	33	3	30	MFRDMD
Program Lonjakan Aplikasi Sistem Fish Site Identification (FSI) Tuna, 24 September 2020, Hotel Grand Dormani Rajah Court, Kuching, Sarawak, Malaysia	2	4	0	0	0	0	0	35	0	0	0	0	0	0	39	6	33	MFRDMD
Bengkel Analisa Data Pendaratan Ikan Yu dan Pari Bagi Menentukan Nilai 'Maximum sustainable Yield' (MSY),	4	9	0	0	0	0	0	2	0	0	0	0	0	0	11	5	6	MFRDMD

Title (Date, Venue)	Category	Number of Participants															Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male		
24 June 2020, MFRDMD																			
Program Analisa data Kajian RMK II, 10-14 Ogos 2020, Taiping, Perak, Malaysia	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3	MFRDMD	
Ceramah Iqra : Kaedah Pembacaan Al-Quran Bertajwid, 10 September 2020, seafdec/mfrdmd	4	27	0	0	0	0	0	3	0	0	0	0	0	0	30	18	12	MFRDMD	
Lawatan Kerja Ketua Pengarah Perikanan Malaysia, 30 June 2020, MFRDMD	5	18	0	0	0	0	0	2	0	0	0	0	0	0	20	8	10	MFRDMD	
Lawatan kerja Pengarah Khidmat Pengurusan HQ, 13 Ogos 2020, MFRDMD	5	3	0	0	0	0	0	2	0	0	0	0	0	0	5	0	5	MFRDMD	
Lawatan kerja KSU Kementerian (MAFI), 30 Ogos 2020, MFRDMD	5	23	0	0	0	0	0	3	0	0	0	0	0	0	26	11	15	MFRDMD	
Lawatan kerja SUB Kanan (Pengurusan) (MAFI)	5	6	0	0	0	0	0	2	0	0	0	0	0	0	8	6	2	MFRDMD	
Lawatan Kerja dan X-Ray Pari, 15 Ogos 2020, Klinik Veterinar Universiti Malaysia Kelantan, Bachok, Kelantan, Malaysia	7	8	0	0	0	0	0	0	0	0	0	0	0	0	8	3	5	MFRDMD	
Inception Meeting for Track 1: GMP for Sushi and Sashimi (8 Oct 2020)	1	7	2	2	3	-	-	3	4	1	2	1	2	2	29	14	15	MFRD	
Inception Meeting for Track 2: HPP Processing for Seafood Products (6 Oct 2020)	1	8	2	1	3	-	-	2	3	1	4	1	3	1	29	13	16	MFRD	
International Class (Tools for Sustainable Fisheries Management) (3 February 2020, Palembang)	1	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	IFRDMD	
Webinar AMBER Adaptive Management of Barriers in European Rivers) and FITHYDRO (29 June 2020)	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	IFRDMD	
Workshop "Water Resources Management to Secure Aquatic Biodiversity for Sustainable Development (5 October 2020, Palembang)	2	0	0	0	33	0	0	0	0	0	0	0	0	0	33	-	-	IFRDMD	

Title (Date, Venue)	Category	Number of Participants														Gender		Dept.
		SEAFDEC	Brunei	Cambodia	Indonesia	Japan	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	Others	TOTAL	Female	Male	
Socialization on the Establishment of SPEECTRA. (17 October 2020, Muara Enim, Indonesia)	2	0	0	0	140	0	0	0	0	0	0	0	0	0	140	-	-	IFRDMD
The Meeting on Following Up the Monitoring of SPEECTRA the Floodplain Habitat Conservation Patratani. (23 June 2020, Muara Enim, Indonesia)	2	0	0	0	10	0	0	0	0	0	0	0	0	0	10	-	-	IFRDMD
The Meeting on Training on Inputting the Fisheries Data Into Dacofa Application (29 June 2020, Muara Enim, Indonesia)	2	0	0	0	5	0	0	0	0	0	0	0	0	0	5	-	-	IFRDMD
In-house Training on Design Research and Big Data Management: A Writeshop (30 September 2020, Palembang)	4	0	0	0	66	0	0	0	0	0	0	0	0	0	66	-	-	IFRDMD
In-House Training "Management Strategy Evaluation and Its Application to Fishery Populations" oleh Toshihide kitakodo (30 January 2020, Palembang)	4	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	IFRDMD

Category:

- 1) International/regional meetings, seminar, workshop
- 3) International/regional training course
- 5) Study tour
- 7) On-the-Job training

- 2) National/local meeting, seminar, workshop, consultation, etc.
- 4) National, On-site training courses
- 6) Internship
- 8) SEAFDEC Internal Events

SEAFDEC Official Mission in 2020

Title	Department

Remark: Number of official(s) joined in the mission shown in the bracket

Collaboration with Other Organizations in 2020

(Signing of arrangements in 2020 and collaborative arrangement with activities in 2021)

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
Association of Southeast Asian Nations	LOU on ASEAN-SEAFDEC Strategic Partnership	Collaborative Activities under FCG/ASSP Framework and participation to events	Participation to ASEAN events (e.g. ASWGF _i)	Sec
Japan-ASEAN Integration Fund (JAIF)	Amendment 2020-2021	Funding support for project implementation by SEAFDEC	Enhancing Sustainable Utilization and Management Scheme of Tropical Anguillid Eel Resources in Southeast Asia s	Sec
Food and Agriculture Organization of the United Nations (FAO)/ Coordinating Working Party on Fishery Statistics (CWP)	Collaborating Framework (2004- no expiring date)	SEAFDEC being party to CWP	To improve quality of fishery statistics and enhance the development and harmonization of common definitions, classifications and standard in the region	Sec
FAO/Fishery Resources Monitoring System (FIRMS)	MOU (2004- no expiring date)	SEAFDEC being party to FIRMS	Partnership arrangement providing for international cooperation in the development and maintenance of the Fisheries Resources Monitoring System	Sec
Faculty of Fisheries Science, Hokkaido University	Arrangement for Scientific, Educational and Technical Cooperation (2016-2021)	Promote educational cooperation for sustainable development through research and other areas of mutual interest	Conducting the International Seminar on Sustainable Fisheries Providing “Short-term Training Course for University Students (STCUS)” at TD	Sec, TD

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
Tokyo University of Marine Science and Technology (TUMSAT), Japan	Arrangement for Academic and Education Cooperation (2015-2020)	To promote academic and education cooperation in the areas of mutual interest	Provide technical support on the sustainable fisheries e.g. resource persons	Sec
Mekong River Commission (MRC)	MOU (2017-2022)	Promote sustainable development of fisheries and aquaculture in the Lower Mekong Basin and Southeast Asia	Participation to events and collaborative activities e.g. training on fisheries database management and data analysis	Sec, IFRDMD
Network of Aquaculture Centres in Asia and Pacific (NACA)	Agreement (1999-no expiring date)	To promote the development of aquaculture through collaborative activities in research, training, and information in Asia and the Pacific	Participation to events and collaborative activities	Sec, AQD
The United State Agency for International Development's Regional Development Mission for Asia (USAID/RDMA)	MOU (2014-no expiring date)	Collaboration in the Design and Implementation of Sustainable Fisheries for Food Security and Biodiversity Conservation Activities in Asia	Participation to events and collaborative activities	Sec
Coral Triangle Initiatives on Coral Reefs, Fisheries and Food Security (CTI-CFF)	MOU (2015-2020)	To cooperate in the promotion of sustainable fisheries management in the Coral Triangle, utilizing joint expertise of CTI-CFF and SEAFDEC	Participation to events and collaborative activities	Sec
Fisheries Research Agency, Japan	MOU (2019-2024)	Arrangement for scientific and technical cooperation		Sec
Fish Market Organization (FMO), Thailand	MOU (2016-2021)	Development of ACDS	Development and promotion of electronics system of ASEAN catch documentation (e-ACDS)	Sec
Burapha University (BUU)	MOU (2018-2023)	Arrangement for scientific and technical cooperation for student and staff	Participation to events and collaborative activities	Sec

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
Gifu Prefecture of Japan	MOU (2016-2021)	Promote educational and technical cooperation for sustainable development of inland fisheries in the Southeast Asian region.	Providing “Short-term Training Course” to SEAFDEC Member Countries and staff	Sec
CITES Secretariat	Agreement	Support the implementation of CITES provisions for sharks and rays through targeted support for data collection and training	Training on sharks data collection	Sec
DOF Thailand / Ministry of Agriculture and Cooperatives / TTIA/ WWF	Joint Declaration of Intent (2018-2023)	Support the overall fishing practices and management, strengthen knowledge about the fishery, establish and maintain critical partnerships	Collaborate to improve overall fishing practices and management	Sec
AMAFRHR-MMAF	MoU	Provide various kinds of joint research activities among AMSs and between the Parties comprehensively	Joint research activities in inland fisheries	Sec
Faculty of Fisheries, Kagoshima University, Japan	MOU (2019-2024)	Arrangement for scientific and technical cooperation for student and staff	Provide technical support on the sustainable fisheries e.g. resource persons	Sec
Nagoya University	MOU (2019-2024)	Arrangement for scientific and technical cooperation on inland fisheries and freshwater ecology	Provide technical support on the sustainable fisheries e.g. resource persons	Sec
Japan Fisheries Research	Arrangement (2019-2024)	The Arrangement for Scientific and Education Cooperation		Sec
Nagano University	MOU (2019-2024)	Scientific and Educational Cooperation		Sec

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
CITES Secretariat	*Amendment (13 May 2020-30 Sep 2020)	Amendment No. 2 to the Small-Scale Funding Agreement (SSFA). To add an activity to produce summary reports for the two CITES-supported shark projects (under project numbers S-458 and S-521) using the balance of the budget, and to extend the end date of the project in order to accommodate for the extra time required		Sec
US-DOI	MOU (2020-2021)	Support the “Implementing the Lower Mekong Fish Passage Initiative in Cambodia, Thailand, and Vietnam.”		Sec
US-DOI	(*) Amendment, 9 Nov 2020-2021	Amendment 2 to Annex 2 of The Memorandum Of Understanding. To extend Objective 2 to include “Design and Construct Three (3) Additional Demonstration Fish Passes in Cambodia.” All other objectives remain unchanged from those in Annex 2.		
Graduate School of Agricultural and Life Sciences, and Faculty of Agriculture, the University of Tokyo (GSALS-UT), Japan	Arrangement, 30 March 2020-2025	“Extension of Arrangement for Academic and Educational Cooperation between SEAFDEC and GSALS-UT.”		Sec

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
Fish Market Organization	MOU: Development and promotion of the electronic system of ASEAN Catch Documentation Scheme (eACDS) (2016-2021)	<ul style="list-style-type: none"> - Continuation to develop the eACDS for Brunei Darussalam - Development of eACDS for Viet Nam and Myanmar - Promotion the eACDS to ASEAN Member States at pilot sites to test the system 	<ul style="list-style-type: none"> - Implemented and developed the eACDS system in Brunei Darussalam, Viet Nam, Myanmar, and Malaysia 	TD
The Food and Agriculture Organization of the United Nations (FAO)	LOA: For Provision of Gender Dimension in the Value Chain of Small-scale Fisheries and Aquaculture in Southeast Asia. (2020-2021)	Promotion on Gender Dimension in the Value Chain of Small-scale Fisheries and Aquaculture in Southeast Asia.	<ul style="list-style-type: none"> - Site training for enumerators on gender concept and analysis and development of a data collection protocol - Data Collection on Gender Dimension in the Value Chain of Small-scale Fisheries and Aquaculture in Southeast Asia in Surat Thani - The data validation workshop was conducted to report the result of data collecting to stakeholder to recheck and confirm the information 	TD
The United States Department of the Interior (US-DOI)	MOU: Implementing the Lower Mekong Fish Passage Initiative in Cambodia, Thailand, and Viet Nam (2020-2021)	<ul style="list-style-type: none"> - Cooperation to provide technical an administrative oversight of Field Fish Passage Barrier Inventories - Design and Construct Fish Pass in Cambodia, Thailand, and Viet Nam 		TD

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
United Nations Environment Program (UNEP) Refugia	Project Cooperation Agreement (PCA): Global Environment Facility Full Size Project Implementing the Strategic Action Programme for the South China Sea	Execution of the project Implementing the Strategic Action Programme for the South China Sea		TD
BFAR Region 6	National Bangus Fry Sufficiency Program (2020-2025)	Conduct an assessment of existing hatcheries in the region, prepare plans and cost estimates of identified priority hatchery for rehabilitation, and extend necessary technical assistance in the hatchery operation	Assist in the conduct monthly monitoring in the two satellite hatcheries in Batan, Aklan and Concepcion, Iloilo	AQD
DSM Nutritional Products Philippines, Inc.	Evaluation of DSM formulated Feeds with Phytase and Carbohydrase (2020)	Culture milkfish using the DSM formulated Feeds and evaluate	Marketing and disposal of milkfish	AQD
Japan International Research Center for Agricultural Sciences (JIRCAS)	Implementation of research projects (14 July 2016 - 31 March 2021)	Provide technical assistance for projects to be implemented	Continue to provide technical assistance to visiting scientist from JIRCAS	AQD
Western Philippines University	On the Job Training Program (27 January 2016 - 26 January 2021)	Provide on-the-job training to students and evaluation after completion of the training	Continue to conduct the OJT Program	AQD
John B. Lacson Foundation Maritime University-Arevalo	Research collaboration (17-February, 2017 – 31 January 2022)	Supervise and assist the conduct of research of faculty, staff, and students	Assist the student in their research study	AQD

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
Scottish Association for Marine Science (SAMS)	RCUK Global Challenge Research Fund-GlobalSeaweed STAR Collaboration Agreement (01 October 2017 - 31 December 2021)	Conduct of the proposal entitled "Safeguarding the Future of the Seaweed Industry in the Philippines."	The research study is still ongoing	AQD
National Fisheries Research and Development Institute	Collaborative Projects Between NFRDI and SEAFDEC/AQD on Aquaculture Feed Development in the Philippines	Assessment of raw materials and alternative to fishmeal; feed formulation using low-cost raw materials and feed ingredients; pilot testing of the formulated feeds and conduct training on feed preparation and feed formulation	The research study is still ongoing.	AQD
National Fisheries Research and Development Institute (NFRDI)	Aquafeed Research, Development and Extension Project (ARDEP)	Cooperating agency and member of the Technical Working Group in the implementation of the project; submit a proposal on the aquafeed research, development, and extension; conduct and implement the study in accordance with the approved Project Proposal	The research study is still ongoing.	AQD

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
St. Paul University Iloilo	Collaboration between two institutions in undertaking research, instruction, training, and extension programs	SEAFDEC/AQD may invite SPU Iloilo faculty, researchers, and graduate students to undertake specific research projects where SEAFDEC/AQD lacks sufficient expertise or human resources which SPU Iloilo can provide SEAFDEC/AQD and SPU Iloilo may invite each other as resource persons in training programs and extension activities	No activities were conducted yet	AQD
Institute of Oceanography and Environment – University Malaysia Terengganu (INOS-UMT)	Study on fisheries oceanography	Monitoring survey and reef coordinate verification using side scan sonar and sub bottom profiler	Have received MOU from UMT for the research purpose	MFRDMD
	Shark and rays landing data analysis	Conducting Workshop on Sharks and Rays Data Analysis	The Workshop to determine MSY was held on 24-27 August 2020	MFRDMD
	Research and data collection on parasite of sharks and rays	Conducting research and data collection on parasite of sharks and rays sample	Data collection samples was done on 25-26 August 2020	MFRDMD
Institute of Agricultural and Food Policy Studies (IKDPM), Universiti Putra Malaysia	Marketing Research of Sharks and Rays in Perak, Pahang and Sarawak	Marketing Research of Sharks and Rays in Perak, Pahang and Sarawak	Book of research on marketing of sharks and rays in Sarawak was published in October 2020	MFRDMD
Universiti Malaysia Kelantan (UMK)	Studies on freshwater stingray specimens	Freshwater stingray specimen	A visit to the UMK Veterinary Clinic was held on 15 August 2020 and was participated by eight MFRDMD staffs. A total of 14 x-ray images of freshwater stingrays specimens were collected	MFRDMD

Organizations	Types and titles of collaboration, and duration	Scope of Collaboration	Summary of activities during the reporting year	Department
Singapore Food Agency (SFA), Marine Aquaculture Centre (MAC)	On-going	Collaborating Center to implement MFRD programmes	Inception Meetings for JTF VI Phase II Enhancing Safety and Competitiveness of Seafood Products	MFRD
Charles Sturt University, Australia	Irrigation Modernisation-Biodiversity (2 years)	Project coordination, travel costs, translators, subsistence allowance, preliminary workshop, masterclasses in relation to "Irrigation Modernisation-Biodiversity"	1. Coordination AWP-ACIAR 2. Held Workshops	IFRDMD

Funding Support from Agencies/Organizations in 2020
(extra from regular contribution from host departments, and MRC)

Organizations	Scope	Estimated annual Budget (USD)	Department
Fisheries Agency-Japan	Program under FCG Mechanism	2,026,528.93	Sec (incl. all Departments)
Japan ASEAN Integration Fund (JAIF)	Enhancing Sustainable Utilization and Management Scheme of Tropical Anguillid Eel Resources in Southeast Asia	533,086.38	Sec
CITES	EU-CITES Shark Project	72,000	Sec
UNEP/GEF	Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea	2,419,034.65	TD
US-DOI (United State Department of the Interior)	Promote Sustainable Fisheries Development in the Southeast Asia Region	466,000	TD
FAO	Project on Gender Dimension in the Value Chain of Small-scale Fisheries and Aquaculture in Southeast Asia	29,400	TD
National Fisheries Research and Development Institute (NFRDI)	Field testing of low cost aquaculture feed for milkfish and tilapia in ponds and cages (Jan 2018-Dec 2020)	139,860	AQD
Australian Centre for International Agricultural Research (ACIAR)	Increasing technical skills supporting community-based sea cucumber production in Vietnam and the Philippines (Oct 2018-Dec 2020)	40,858	AQD
Japan International Research Center for Agricultural Sciences (JIRCAS)	Demonstration and verification of sustainable and efficient aquaculture techniques by combination of multiple organisms (Jan-Dec 2020)	3,559	AQD
DSM Nutritional Products Phils.	Evaluation of DSM formulated feeds with phytase and carboxylases	21,244	AQD
Department of Science and Technology (PCAARRD)	Molecular mechanism underlying Scylla serrata response to white spot syndrome virus (WSSV) infection (Jan-Dec 2020)	3,471	AQD
Charles Sturt University, Australia	Organizing international class and initiating fish passage project Fund by Aciar in Indonesia which integrated for fish passage regional	45,040	IFRDMD