

CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES  
OF WILD FAUNA AND FLORA

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Twenty-ninth meeting of the Animals Committee  
Geneva (Switzerland), 18-22 July 2017

INITIAL PROGRESS REPORT OF INDONESIA  
ON THE CONSERVATION OF BANGGAI CARDINAL FISH  
ADDITIONAL INFORMATION

This document is submitted by Indonesia with respect to agenda item 25.\*

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\* *The geographical designations employed in this document do not imply the expression of any opinion whatsoever on the part of the CITES Secretariat (or the United Nations Environment Programme) concerning the legal status of any country, territory, or area, or concerning the delimitation of its frontiers or boundaries. The responsibility for the contents of the document rests exclusively with its author.*

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTER
<b>TARGET 1: Provision of data, information and documentation on Banggai Cardinal Fish population status in native water and in other Indonesian waters</b>					
1. Development of database, information and documentation on BCF population in native waters and introduced environment	1. Develop BCF population survey and monitoring guideline	Standard BCF population survey and monitoring guideline document	Jakarta	2017	<b>DGMSM*</b> , AMFRAD; IIS; TU; University
	2. Conduct training of BCF population survey and monitoring	Trained 360 personnel for BCF population survey and monitoring	Nationwide and priority areas	2018-2021	<b>DGMSM*</b> , NGO; IIS; TU
	3. Carry out the BCF population survey and monitoring in main habitat area	BCF population survey and monitoring carried out in main habitat area	District of Banggai Laut, Gilimanuk, Palu Bay, Kendari, Ambon, Jakarta, Kepri, Lombok, Lampung	2017-2021	<b>TU*</b> , NGO; MFA
	4. Conduct genetic test for BCF population outside its native habitat	Available data on BCF genetic distribution from across Indonesian waters	Banggai Laut, Gilimanuk, Teluk Palu, Kendari, Ambon, Jakarta, Kepri, Lombok, Lampung	2018	<b>AMFRAD (BPPBIH Depok, BPPI Sukamandi, BPPU Palembang dan BPPKSI Jatiluhur)</b> , IIS, TU, University
	5. Update Banggai Cardinal Fish population status	1. Workshop on BCF data update implemented		Nationwide	2017-2021
2. Updated BCF population status (publication and documentation) in the form of BCF distribution map			Nationwide	2017-2021	<b>DGMSM*</b> , TU; NGO; MFA

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTER
	6. Develop database and information system on BCF fisheries	1. BCF database developed in local level through BCF center 2. BCF website integrated with KKJI website	Banggai Laut  Nationwide	2018  2018-2019	<b>IIS*</b> , DGMSM; AMFRAD KP;

Appendix 1. ICB conservation strategy and action plan for the period of 2016-2020 (continued)

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTER
<b>TARGET 2 : Implementation of protection and preservation of Banggai Cardinal Fish and its habitat</b>					
1. Reserve BCF native habitat as conservation area	1. Identify BCF crucial habitat as priority area for provincial marine conservation area	Habitat assessment report result as priority area for marine conservation area	Banggai, Banggai Kepulauan, Banggai Laut	2017-2018	<b>Provincial Govt of Central Sulawesi,</b> AMFRAD KP  IIS; NGO
	2. Expansion of conservation area under provincial authority by incorporating BCF habitats as part of existing marine conservation area	Incorporation of BCF protection area inside marine conservation area	Banggai, Banggai Kepulauan, Banggai Laut	2017-2018	<b>Provincial Govt of Central Sulawesi,</b> DGMSM  MFA; BIG; Dishidros
	3. Reserve local marine conservation area	At least 1 marine conservation area dedicated for BCF protection is reserved	Banggai, Banggai Kepulauan, Banggai Laut	2017-2018	<b>Provincial Govt of Central Sulawesi,,</b> DGMSM  MFA; BIG; Dishidros
	4. Develop management plan and zonation of marine conservation area	Developed Management Plan and Zonation of marine conservation area	Banggai, Banggai Kepulauan, Banggai Laut	2018	<b>Provincial Govt of Central Sulawesi,</b> DGMSM  TU; MFA; AMFRAD KP; IIS; NGO
	5. Establish marine conservation area management unit	Marine conservation area management unit established	Banggai, Banggai Kepulauan, Banggai Laut	2017-2018	<b>Provincial Govt of Central Sulawesi,</b> TU  MFA; NGO

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTER
	6. Gazette marine conservation area	Gazetted marine conservation area by Marine Affairs and Fisheries Ministerial Decree	Nationwide	2018-2020	<b>DGMSM</b> , Local Government, MFA, Geospatial Information Agency, AMFRAD, Hydrography and Oceanography Center, Indonesian Navy
2. Initiate BCF partial protection status	1. Establish partial protection status of BCF	Partial protection status for BCF established through Marine Affairs and Fisheries Ministerial Decree	Nationwide	2017	<b>DGMSM, IIS, AMFRAD, NGO, PSDKP, DGCF, DJPB, Local Government</b>
	2. Asses risk and benefit for temporary moratorium on BCF extraction from the native habitat (population control)	Implementation of moratorium on BCF extraction from the native habitat	Nationwide and Banggai Laut	2017-2020	<b>DGMSM</b> AMFRAD KP; IIS; Biro Hukum

Appendix 1. ICB strategy and conservation action plan for the period of 2016-2020 (continued)

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTOR
<b>TARGET 3 : Implementation of sustainable use and distribution of Banggai Cardinal Fish</b>					
1. Establish designated area for restricted use	1. Carry out population assesment in the designated area	Available information of BCF population in the designated area	Banggai Laut, Gilimanuk, Teluk Palu, Kendari, Ambon, Jakarta, Kepri, Lombok, Lampung	2017-2018	<b>AMFRAD KP</b> TU; MFA
	2. Disseminate alternating area for seasonal closure system	<ul style="list-style-type: none"> <li>Dissemination of alternating area for seasonal closure system</li> <li>Dissemination material is available</li> </ul>	Nationwide and priority areas	2017-2018	<b>DGMSM</b> TU; MFA; NGO
2. Conduct assessment on extration rates for quota establishment	1. Conducti extration rates assesment in each trade chain	BCF extration rate assesment report for each trade chain	Nationwide	2017-2020	<b>IIS</b> AMFRAD KP; DGMSM
	2. Establish quota	Establishment of extration quota and trade (export) quota of BCF	Nationwide	2017-2020	<b>IIS</b> DGMSM; AMFRAD KP
3. Conduct surveillanc in target area and monitor trade	1. Disseminate regulation related to BCF extraction	<ul style="list-style-type: none"> <li>Dissemination of BCF extraction regulation is carried out</li> <li>Dissemination material is available</li> </ul>	Nationwide	2017-2021	<b>DGMSM</b> TU; MFA; NGO
	2. Conduct surveillanc for extration, distribution, and trade	Implementation of surveillanc on BCF extraction, distribution and trade	Nationwide	2017-2021	<b>PSDKP, BKIPM</b> TU; MFA; NGO
	3. Implement law enforcement for violation	Implementation of law enforcement for violation againts BCF regulation	Nationwide and local	2017-2021	<b>PSDKP</b> BKIPM
4. Assess implementation of international convention mechanism	1. Develop SOP for BCF extraction from other habitat and hatchery unit	SOP for BCF extraction from other habitat and hatchery unit is developed	Nationwide	2017-2018	<b>DGMSM; AMFRAD, PSDKP, BKIPM, DGCF, DJPB, IIS;</b>

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTOR
for BCF trade	2. Data collection for international trade (export)	Available international trade data (annual report)	Nationwide	2017-2018	<b>DGMSM</b> ; TU; MFA; AMFRAD KP; IIS; SDI; NGO; KKH KLHK, BKIPM
	3. Development of NDF (Non Detrimental Finding) document	NDF document draft available	Nationwide	2017-2021	<b>DGMSM</b> ; KKH KLHK; SDI; IIS; AMFRAD KP
	4. Registrate potential exporter	<ul style="list-style-type: none"> <li>• Available list of BCF exporter</li> <li>• Developed fill-in forms</li> </ul>	Nationwide	2017	<b>DGMSM, AMFRAD,</b>
	5. Establish BCF business association which oversees BCF extraction	Establishment of BCF business association	Nationwide	2018	DGMSM, PDSPKP, DGCF, DJPB,

Appendix 1. ICB conservation strategy and action plan for the period of 2016-2020 (continued)

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTOR
<b>TARGET 4 : Improving Human Resources Capacity in ICB Management</b>					
Delevop local community capacity in sustainable BCF management	1. Community based surveillance	<ol style="list-style-type: none"> <li>1. Establishment of POKMASWAS fro BCF (community surveillance group)</li> <li>2. Implementation of surveillance on BCF catching by outside boats</li> <li>3. Implementation of community based surveillance</li> <li>4. Implementation of surveillance based village</li> </ol>	Banggai Laut	2017-2021	<b>PSDKP</b> MFA; NGO;
	2. Establish sustainable use of BCF to deliver economic benefit for local community	<ol style="list-style-type: none"> <li>1. Limitation of catch size</li> <li>2. Price stabilization</li> <li>3. Utilization of Banggai Cardinal Fish for eco-tourism</li> </ol>	Banggai Laut, Banggai, Banggai Kepulauan	2019-2021	<b>BKIPM</b> PPSDKP; MFA; NGO
	3. Training on BCF management (aquaculture, restocking, trade chain, etc.)	<ol style="list-style-type: none"> <li>1. 50 people trained for BCF aquaculture</li> <li>2. 50 people trained for BCF re-stocking</li> <li>3. 50 person trained for governance of BCF trade</li> </ol>	Seven priority locations: Banggai Laut, Banggai, Banggai Kepulauan, Gilimanuk, Palu Bay, Kendari, Ambon	2018-2021	<b>BPSDMKP</b> DGMSM; IIS; AMFRAD KP; LATC; Balai Budidaya Ikan Hias Depok;
	4. Socialization and public awareness on the ecological importance of BCF and its habitat	Implementation of socialization and awareness in 7 priority locations	Nationwide	2017-2021	MFA DGMSM; TU; NGO
	5. Promote BCF management by local community to national and international forum	Participate in national or international meeting at least once in a year	Nationwide	2017-2021	KKH-KLHK DJPB; NGO; DGMSM



Appendix 1. ICB conservation strategy and action plan for the period of 2016-2020 (continued)

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTOR
<b>TARGET 5 : Banggai Cardinal Fish Governance</b>					
Improve governance for sustainable BCF	1. Optimize Banggai Centre	1. Operationalization of Banggai Center	Germplasm Center in Banggai, Aquaculture Center in Depok, and independent aquaculture center by community group or institution	2017-2018	<b>DGMSM</b> TU; MFA; NGO
		2. Available infrastructure for BCF Center management	Banggai Laut	2017-2021	
	2. Mainstream BCF within national fish governance	Implementation of effective BCF management within national conservation priority	Nationwide	2017-2021	<b>DGMSM, AMFRAD, DGCF, DJPB, PSDKP, PDSPKP, IIS, KKH KLHK;</b> TU; MFA; NGO
	3. Development of ex-situ aquaculture and training center	Availability of training facilities and ex-lake aquaculture center	Nationwide, Bali, Ambon	2018-2021	<b>DJPB</b> Balai Budidaya Depok; LATC
	4. Protect habitat to support BCF resilience in Indonesia	Protected habitat and sustained BCF population for extinction	Banggai Laut, Gilimanuk, Palu Bay, Kendari, Ambon, Jakarta, Kepri, Lombok, Lampung	2018-2021	<b>MFA</b> TU; NGO

	5. Trade network and national promotion	<ol style="list-style-type: none"> <li>1. Optimal sustainable trade of BCF using fish raiser</li> <li>2. Added value of BCF from native habitat (Geographical Indication)</li> </ol>	Fish raiser in Cibinong, and price protection in its natural habitat (Banggai)	2018-2021	<b>PDSPKP</b> SDI; MFA; BKIPM;
	6. Increase the role of national forum or national working group on management of ornamental fish	BCF issues accommodated in national fish species/ornamental fish forum/working group	Nationwide	2017-2021	Asosiasi, DJPB, PDSPKP, DGMSM

Appendix 1. ICB conservation strategy and action plan for the period of 2016-2020 (continued)

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTOR
<b>TARGET 6 : Implementation of ICB Restocking Activities</b>					
Develop/strengthen BCF hatchery facilities to provide BCF hatchling	1. Provide training to community breed BCF	200 people trained for BCF breeding	Bali, Jakarta, Ambon, Kepri, Lombok, Kendari, Banggai Laut, Palu Bay, Lampung	2017-2021	Balai Penelitian Budidaya Ikan Hias Depok, LATC
	2. Develop BCF breeding program	Implementation of BCF breeding activities	Banggai Laut, Banggai, Banggai Kepulauan	2018-2021	<b>AMFRAD(BPPBIH Depok, BPPI Sukamandi, BPPU Palembang dan BPPKSI Jatiluhur),</b> DJPB, IIS, TU, UNIVERSITY, LATC,
	3. Conduct assessment on broodstock location selection as re-stocking location	Availability of assessment result on broodstock location selection as re-stocking location	Banggai Laut, Palu Bay, Gilimanuk, Ambon	2018-2021	<b>AMFRAD KP</b> IIS; University; NGO
	4. Conduct habitat rehabilitation location assessment	Availability of habitat rehabilitation location assessment results	Banggai, Banggai Laut, Banggai Kepulauan	2018-2020	<b>AMFRAD KP</b> IIS; University; NGO
Implement population recovery activities through re-stocking	1. Prepare guidelines on rehabilitation of BCF population and habitat	Availability of General Guidelines on BCF Rehabilitation and Restocking	Nationwide	2017	<b>DGMSM;</b> IIS; AMFRAD; University; NGO
	2. Carry out socialization for re-stocking program	1. Socialization of restocking program	Banggai Laut, Gilimanuk, Teluk Palu, Kendari, Ambon, Jakarta, Kepri,	2017-2021	<b>DGMSM;</b> TU; MFA; NGO

STRATEGY	ACTION PLAN	INDICATOR	LOCATION	TIME	IMPLEMENTOR
		2. Availability of socialization materials in soft and hardcopies	Lombok, Lampung		
	3. Strengthen community group for surveillance of re-stocking program implementation	Implemented Community group activities in re-stocking program implementation	Banggai Laut, Gilimanuk, Palu Bay, Kendari, Ambon, Jakarta, Kepri, Lombok, Lampung	2018-2021	TU; MFA; NGO
	4. Implement population monitoring in re-stocking area	Implementation of BCF population monitoring activities in re-stocking area	Banggai Laut, Gilimanuk, Palu Bay, Kendari, Ambon, Jakarta, Kepri, Lombok, Lampung	2017-2021	TU; MFA; NGO
	5. Training on BCF Restocking	100 people trained for BCF re-stocking	Banggai	2018-2021	DGMSM; IIS; AMFRAD; TU; Local Government; NGO
	6. Implement BCF re-stocking program	1. Implementation of BCF re-stocking program 2. Availability of routine reports on the result of BCF re-stocking activity test	Banggai	2018-2021	DGMSM; IIS; AMFRAD; TU; NGO; Local Government;

List of Acronyms :

AMFRAD	: Agency for Marine and Fisheries Research and Development
DGCF	: Directorate General of Capture Fisheries
DGMSM	: Directorate General for Marine Spatial Management
IIS	: Indonesian Institute of Sciences
MFA	: Marine and Fisheries Agency