

16th Senior Officials' Meeting (SOM-16)



CORAL TRIANGLE
INITIATIVE
ON CORAL REEFS, FISHERIES
AND FOOD SECURITY



COUNTRY REPORT INDONESIA

Ministry of Marine Affairs and Fisheries
of The Republic of Indonesia

Outline

1. Members (Agencies) of the National Coordinating Committees
2. Progress/Accomplishments towards National Plan of Action
3. Challenges/Constraints Affecting Implementation of Activities
4. National Roadmap 2022
5. Potential Regional Programs and Support Requires
6. Publications



I. Members (Agencies) of the National Coordinating Committees

WG	Focal Point
Seascapes	<ol style="list-style-type: none"> 1. Mr. Suharyanto Director of Marine Spatial Planning, MMAF 2. Mrs. Nilfa Rasyid Coordinator of National Marine Spatial, Directorate Marine Spatial Planning, Directorate General. Marine Spatial Management, MMAF
EAFM	<ol style="list-style-type: none"> 1. Mr. Trian Yunanda Director of Fish Resources Management, MMAF 2. Mrs. Besweni Coordinator of Inland Sea Fish Resources, Territorial and Archipelagic Waters, Directorate of Fish Resources Management, Directorate General. Capture Fisheries, MMAF
MPA and TSWG	Mr. Andi Rusandi Director of Marine Conservation and Biodiversity, MMAF
CCA	Ms. Sri Tantri Arundhati Director of Climate Change Adaptation, MOEF
FRWG	Mr. TB. Witjaksono Adji Director of Intra Regional Cooperation on Asian, Pacific and Africa, MoFA
IRC	Mr. Hendra Yusran Siry Secretary Directorate General for Marine Spatial Management, MMAF
MEWG	Mr. Agung Tri Prasetyo Director for Public Relation and International Cooperation, MMAF
Partners	WWF, TNC, CTC, WCS, RARE, Reefcheck, Terangi

II. Progress/Accomplishments towards National Plan of Action

SEASCAPES

A. CTI-CFF National Programs

1. The 7th CTI-CFF Seascapes Working Group Meeting (**postponed** to 2022)
3. Designing the Development of Seascape Diagnostic Analysis and its strategic Action Plan (LSS and BSSE) (**postponed**)
4. Funding Resources Workshop (**postponed**)
5. Mapping of Submarine cables and pipelines, as well as Artificial Island (**done**)
6. Continue to coordinate and discuss with other TWGs, Partners, and University Partnership program in the management of priority seascapes

B. Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

1. **Development of** a provincial coastal and small island **zoning plan** for Papua
2. **Enactment of Regional Regulation** on Coastal and Small Islands Zoning Plans for West Papua Province
3. **Enactment of Presidential Regulation** Number 83 concerning Spatial Planning of the Inter-Makassar Strait Marine Spatial Plan
4. **Development of 9 Inter-Regional Marine Spatial Plans** (Banda Sea, Bali Sea, Flores Sea, Maluku Sea, Java Sea, Sulawesi Sea, Tomini Bay, Bone Bay, South Java Nusa Tenggara Sea)
5. **Development of 9 National Strategic Area Zoning Plans** for Banda Sea, Biak, Raja Ampat, Bintuni Bay, Komodo, Bima, Sasamba, Maminasata and Manado Bitung.



EAFM

A. CTI-CFF National Programs

- 1) **Reviu of Fisheries Management Plan for Fisheries Management Area 573, 712, 713, and 714**
- 2) **Reviu of Fisheries Management Plan for Blue Swimming Crab, Flying Fish, and Bali Sardines Fishery**
- 3) **Continues to develop FMP for Snapper and Grouper Fisheries**
- 4) **Continues to develop Harvest Strategy for Blue Swimming Crab Fisheries, Snapper as well as Grouper Fisheries**
- 5) **Log Book Data Analysis and Socialization of Electronic Fishing Log Book**
- 6) **A series of meetings IOTC, CCSBT, WCPFC and IATTC**
- 7) **Evaluation of Southern Bluefin Tuna (SBT) quota utilization in 2021 and distribution of SBT quota in 2022**
- 8) **Monitoring Fish Freshness, Residues, Hazardous Materials, Marine Biotoxins and the Aquatic Environment**
- 9) **Webinar “Fulfillment of Quality and Safety Requirements of Fishery Products in the Upstream Stage (Primary Production)”**
- 10) **Establishment of marine protected areas and the effectiveness of their management**



EAFM

B. Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

- 1. GEF 6 Coastal Fisheries Initiative (CFI) Project** (Develop Safeguard and Gender, Baseline Data Collection for Project Monitoring and Evaluation and Identification of GEF-6 CFI Indonesia Pilot Project Sites)
- Indonesia FMA 712 preparedness of the **implementation of EAFM** intervention for improving snappers and groupers fisheries at the ISLME project pilot sites
- National Coordination Meeting of Scientific Panel of Fisheries Management Unit for Development of Harvest Control Rule (HCR) for Blue Swimming Crab fisheries in FMA 712
- Webinar** with theme “Strengthening Collaboration in eCDT and EM through First Movers”
- Technical Workshops on** Optimization of e-Logbook Applications in Supporting Achievement of Measurable Fisheries Management, Sampling Methods and Testing of Heavy Metals and Histamine on Tuna, Swordfish and Marlin, as well as Workshop on Quality and Safety Control in Tuna and Tuna-Like Production Chains
- EAFM Assessment** in Derawan Islands (FMA 716), Kei Island (FMA 714/715), Manggarai Barat, Flores Timur, and Alor (FMA 713/573), as well as in Wakatobi, Kendari Waters (Wawonii Island) (FMA 714)
- EAFM basic training for local stakeholders** in managing TPK Kei Kecil , Manggarai Barat, Alor, and Flores Timur, as well as in South East Sulawesi
- Reef Health Monitoring** in Alor MPA (SAP Selat Pantar) – East Nusa Tenggara Province, and Derawan MPA – East Kalimantan Province
- Accelerating EAFM Implementation** And Progress Of Fisheries Improvement Project **In Red Snapper Fisheries**
- Initiate Fishery Area Access Management (PAAP)** in North Sulawesi and West Papua (Raja Ampat)



MPA

Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

Increase the area of MPA

- 1) **Acceleration the allocation of MPA** which designated by Minister of Marine affairs and Fisheries (72 MPAs by 2021 with a total of 24.1 million ha)

MPA effectively Managed

- 1) **Improve and simplifying the regulation** of MPA
- 2) **Development the tool and module** to Evaluation and improvement on effectively managed marine protected areas
- 3) **Training for the assessment team** of Technical Guidelines for evaluating the effectiveness of MPA management (EVIKA) and the use of EVIKA for **reviewing and assessing the MPA.**
- 4) **Develop the MPA vision and roadmap 2020-2030**
- 5) **Establish MPA Database system/ SIDA KO** (Sistem Database Konservasi)
- 6) **Development the technical guideline on MPA Mapping** as well as **Training** on creating MPA mapping
- 7) **Review the zonation of 10 National MPA** based on present condition and regulation
- 8) **Development MPA communication strategy**
- 9) **Development the system of MPA utilization for online system of MPA permit**



CLIMATE CHANGE ADAPTATION

A. CTI-CFF National Programs

- 1) **Climate Change Vulnerability Profile** of Indonesian Coral Triangle Region
- 2) **Webinar Climate Change Adaptation** in Indonesia's Coral Triangle Region
- 3) **Launching of the book** Profile of Climate Change Vulnerability in the Coral Triangle Region of Indonesia

B. Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

- 1) **EbA Pilot Study** in Bali Province
- 2) **Coastal climate village program** in 64 locations (294 locations from 2012 – 2021) for **climate resilience**.
- 3) Identification of **indicators of vulnerability** of mangrove ecosystems to climate change
- 4) Empowerment of coastal communities through the **development of resilient Coastal Zones (PKPT)** in 2 locations (total 49 locations from 2012-2021) as well as **development of the Center for Restoration and Development of Coastal Ecosystems (PRPEP)** in 14 locations (total 42 locations from 2015-2020)
- 5) Increasing **awareness of coastal communities and small islands related to Disaster Mitigation and Climate Change Adaptation** in 2 locations (total 8 locations from 2019-2021)
- 6) **Learning Climate Change Adaptation for Middle and High School students** through the Indonesian Beach School (SPI) activities in 2 locations (total 51 locations in 2013-2021)
- 7) Implementation of **disaster mitigation and climate change adaptation** through the **construction of coastal protection infrastructure and sediment traps** in 3 locations (total 31 locations from 2015-2019)
- 8) **Webinar** on Climate-Resilient Ecosystems as well Coastal Ecosystem Services
- 9) **Research** on the potential contribution of marine and fisheries sector to climate change policy



THREATENED SPECIES

Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

Sharks and Rays

- 1) **Enactment of MMAF Decree Number 1 Year 2021 on Fish Protection** (totally 20 species, including 8 ray species)
- 2) **Legalization of catch quota for limited protected fish and listed in Appendix CITES** (including 6 shark species and 9 ray species) along with Technical Guideline for Evaluating the Management Effectiveness of it; as well as **Legalization process of Roadmap on Conservation of Threatened and/or Protected Fish for 2020 – 2024**
- 3) **Development of Conservation National Plan of Action (NPOAs) for Sharks and Rays** and Protected Rays Period 2021-2025, as well as **Legalization on Technical guideline of Monitoring** on Sharks and Rays, Whale Sharks, and Dugong Population
- 4) **Legalization of NPOA of Whale Sharks** for 2021-2025 periode
- 5) 3rd National Symposium on Sharks and Rays
- 6) Synthesis Data for Mobula Rays
- 7) **Training on Manta Rays Population Monitoring** in Raja Ampat as well as Rays (Guitarfish and Wegdefish) Identification
- 8) **Monitoring whale shark population** in Teluk Cenderawasih National Park as well as its **Carrying Capacity Assessment**
- 9) **Monitoring of landed shark and ray catches** related to CITES and **socialization of protected sharks and rays listed in the CITES Appendix**
- 10) **Establishing an electronic application system for fish transportation** (including shark and ray listed in CITES Appendix) for domestic and foreign trade (export/import) called "eSAJI"
- 11) **Strengthen national and provincial institution and legal framework** for protection/ management of mobulid rays and other priority elasmobranchs in East Flores and Savu Sea
- 12) **Reduce economic dependence of fisher communities** on mobulid fisheries/create incentives for sustainability and compliance



THREATENED SPECIES

Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

Sea Turtle

- 1) **Development of Conservation National Plan of Action (NPOA)** for Sea Turtle Period 2021-2025
- 2) **Development of Technical Guidelines** of Monitoring Sea Turtle Population and By-catch Handling
- 3) **Monitoring of sea turtle landed** in 8 locations
- 4) **Socialization of the protection and conservation** of sea turtles in Sulawesi
- 5) Release of stranded turtles and hatchlings in Sulawesi and Bali

Marine Mammals

- 1) **Webinar on Marine Mammals Threats: Marine Debris and Ocean Noise** as well as Marine Mammals Stranded
- 2) **Training on Handling Marine Mammals Stranded** in Cirebon, Tulungagung, Surabaya and Aceh
- 3) Handling stranded marine mammals and another protected marine biota
- 4) Experts Discussion on the Causes of Marine Megafauna Stranded



III. Challenges/Constraints Affecting Implementation of Activities

1. SEASCAPE WORKING GROUP;

- a) **The Covid-19** Global Pandemic affects the Seascape Working Group to implement the Work Plan of 2020;
- b) In 2020, the Indonesian government **enacted Law no. 11 concerning Employment Creation** which resulted in the revision of several pre-existing regulations, including Law no. 32/2014, Law no. 1/2014, and Law no. 26/2014 concerning Spatial Planning; Law Number 11 of 2020 mandates the government to realize the integration of several land and sea spatial plans and set forth in one regulation, which aims to realize good marine and coastal governance;
- c) **Transboundary MSP** as Marine trans-boundary areas **need to be managed** effectively and sustainably (Focusing on the priority seascape/SSS, LSS and BSS);
- d) **Identifying funding resources to support the SWG** to strengthen and/or initiate seascapes related activities, particularly those related to Priority Seascapes (LSS and BSS).

2. MARINE PROTECTED AREA WORKING GROUP;

- a) Limited activity, budget funding and mobility due to **Covid-19 Pandemic** ;
- b) **Lack in human resource** on MPA management ;
- c) **Lack of funding** on MPA management ;
- d) **Marine debris and pollution** (i.e. plastic, oil spill) ;
- e) **Local community support**, participation and compliance, as well as co-management ;
- f) **Lack of regional guidelines** for developing and manage MPA ;
- g) Difficulty in implementing **sustainable financing** ;
- h) **Dynamic Political and regulation**



III. Challenges/Constraints Affecting Implementation of Activities

3. CLIMATE CHANGE ADAPTATION WORKING GROUP;

- a) **The Covid 19 pandemic** conditions affect the implementation of the activities/programs
- b) **Limited budget and resources**

4. THREATENED SPECIES WORKING GROUP;

- a) Limited activity and mobility **due to Covid-19 Pandemic** ;
- b) **Landing site** of Sharks and rays in the **unmonitored captivity** ;
- c) **Traffic control** of trade in shark and ray products ;
- d) **Lack of veterinarians** for handling marine mammals stranded ;
- e) **Lack of data and research** regarding threatened species ;
- f) **Surveillance and law enforcement** ;
- g) **Alternative livelihood development** ;
- h) **Emergence of stranded** marine mammals ;
- i) A vast but remote area to monitor;
- j) **Public awareness** towards threatened species in (some) remote area



IV. National Roadmap 2022

1. SEASCAPE WORKING GROUP;

A. CTI-CFF National Programs

- a) The 7th CTI-CFF Seascapes **Working Group Meeting**;
- b) **Coordinate and discuss** with other TWGs, Partners, and University Partnership program in the management of priority seascapes (Focusing on LSS and BSS);
- c) **Design to Develop Seascape Diagnostic Analysis** and it's strategic Action Plan (LSS and BSSE).

B. Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

- a) **Enactment provincial coastal and small islands zoning plan** for Papua;
- b) **Development 5 Inter-Regional Marine Spatial Plans** (Seram sea, North Papua Sea, Halmahera Sea, Sawu Sea, and Cendrawasih Sea)



IV. National Roadmap 2022

2. ECOSYSTEM APPROACH FISHERIES MANAGEMENT WORKING GROUP;

B. CTI-CFF National Programs

1. **Review of FMP 715, 717 and FMP for Flying Fish Fisheries**
2. **The compilation of baseline data** on selected fisheries through EAFM assessments in FMA 715, 717, and 718 which is focused on the pilot sites of GEF 6 CFI
3. **Habitat restoration** through fish shelter program in Maluku, North Maluku and West Papua
4. **Operationalization of Fisheries Management Council**
5. **Dissemination of the Fishing Log Book** referring to the PIPP at 113 Fishing Ports
6. **Integration of the Fishing Logbook Information System (SILOPI) with VMS and Infrastructure Development of Space Oceanography (INDESO)**
7. Annual meeting of IOTC, CCSBT, WCPFC as well as IATTC
8. **Bali Tuna Conference and International Coastal Tuna Business Forum**
9. **Monitoring Fish Freshness, Residues, Hazardous Materials, Marine Biotoxins and the Aquatic Environment Supervision of fishery traffic**
10. Establishment plan of marine protected areas as well as its management effectiveness assessment plan

B. Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

1. **Implement necessary safeguards work** to start project activities in the three project sites FMA 715, 717, & 718
2. **Knowledge Management Plan:** : Share success stories of EAFM Implementation in Indonesia
3. **Development of Fish Recognition System (SIPKAN)**
4. **Workshop/ training related to the quality assurance system and safety** of fishery products
5. **Development of EAFM Training Modules and EAFM Training** in national level
6. Accelerating EAFM Implementation And Progress Of Fisheries Improvement Project In Red Snapper Fisheries
7. **Fishery Area Access Management (PAAP)** in Southeast Sulawesi, North Sulawesi; and West Papua



IV. National Roadmap 2022

3. MARINE PROTECTED AREA WORKING GROUP;

1. Establishment and expansion the marine conservation areas ;
2. Improve the effectiveness of MPA Management ;
3. Strengthening institution on MPA management

5. CLIMATE CHANGE ADAPTATION WORKING GROUP;

A. CTI-CFF National Programs

Contribution of the Indonesian Coral Triangle in supporting the achievement of the NDC target

B. Programs/projects/activities related to CTI-CFF goals (*but not directly budgeted under CTI-CFF programs*)

1. Climate Village Program (Proklim)
2. Development of Mangrove Ecosystem Vulnerability Indicators to Climate Change
3. The national map of mangrove launching

5. THREATENED SPECIES WORKING GROUP;

1. First response for marine mammals stranding;
2. Conservation awareness program for threatened species



V. Potential Regional Program and Support Required

1. SEASCAPE WORKING GROUP;

- a) Training Marine Spatial Planning for CT6 country;
- b) Initiate the management of new priority seascapes (Lesser Sunda Seascape, Bismarck Solomon Seascape);
- c) Develop Seascape Diagnostic Analysis and its Strategic Action Plan (LSS and BSSE)

2. MARINE PROTECTED AREA WORKING GROUP;

- a) Completion of CTMPAS Certification Process for Cat 1, 2, and 3.
- b) CT Atlas Training.
- c) Sustainable Marine Tourism final design and launch pilot sites.
- d) Develop activities that integrate with other TWG in Priority MPA Sites.

3. THREATENED SPECIES WORKING GROUP;

- a) Development of threatened species regional handbook/guideline on marine mammals stranding
- b) Training on sea turtle/marine mammals/sharks and rays stranding/by-catch
- c) Capacity building on law enforcement to support the prevention and management of the use of endangered and protected marine species on transboundary in CT6



VI. Publications

1. SEASCAPE WORKING GROUP;

- a) Government Regulation Number 21 Year 2021 regarding Spatial Planning (in Bahasa)
- b) President Regulation Number 83 Year 2020 regarding Inter-regional Marine Spatial Planning Of Makassar Strait; (in Bahasa)
- c) MMAF Regulation Number 14 Year 2021 regarding Sub Marine Pipeline and/or cable; (in Bahasa)



RENCANA ZONASI SELAT MAKASSAR DOKUMEN FINAL



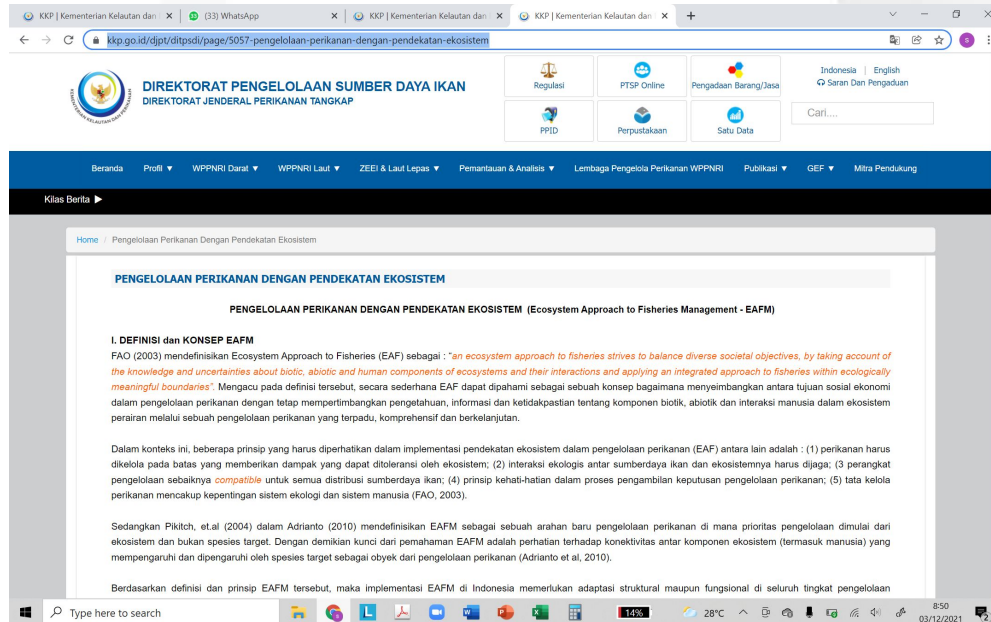
Dokumen Final Rencana Zonasi Selat Makassar berikut ini berisikan latar belakang penyusunan RZ, deskripsi potensi sumberdaya di Selat Makassar dan kegiatan pemanfaatan sumberdaya, isu-isu strategis perencanaan zonasi Selat Makassar; konsultasi publik pertama, usulan alokasi ruang, dokumen antara, konsultasi publik kedua; dan perbaikan dari konsultasi publik kedua tersebut menjadi bahan penyusunan Dokumen Final.



VI. Publications

2. ECOSYSTEM APPROACH FISHERIES MANAGEMENT WORKING GROUP;

a) <https://kkp.go.id/djpt/ditpsdi/page/5057-pengelolaan-perikanan-dengan-pendekatan-ekosistem>;



- b) Length-based assessment of snapper fisheries in WPP 718, Arafura Sea
- c) Deepwater Snapper, Grouper, and Emperor Fisheries Supply Lines in Indonesia
- d) Assessing Shark and Ray Bycatch In Indonesian Deepwater Snapper-Grouper Fisheries
- e) Plastic Waste and Abandoned/Lost Fishing Gear Management in the Indonesian Snapper Fishery

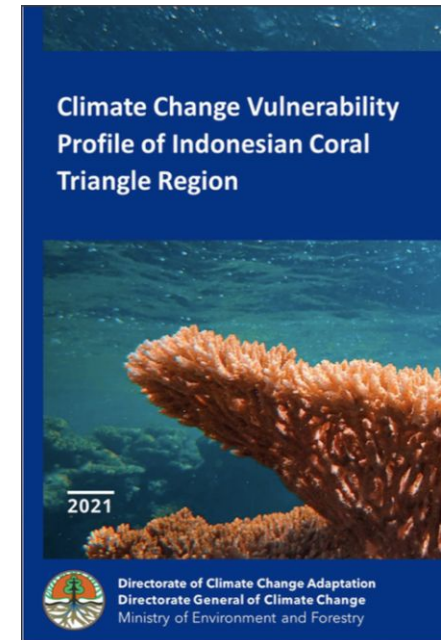


VI. Publications

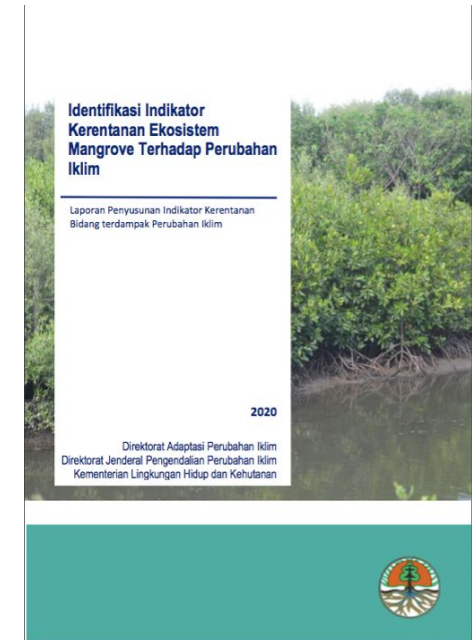
3. MARINE PROTECTED AREA WORKING GROUP;



4. CLIMATE CHANGE ADAPTATION WORKING GROUP;



Cover *Climate Change Vulnerability Profile of Indonesia Coral Triangle Region*



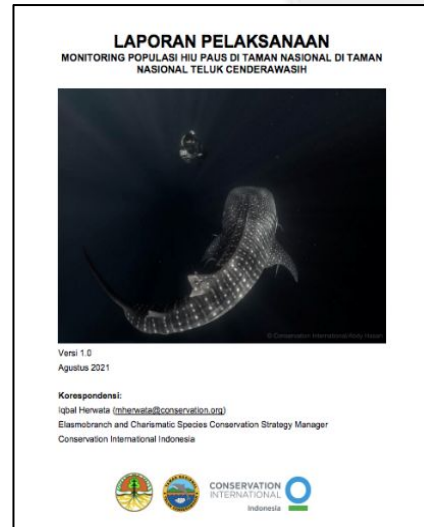
Book of Identification of Mangrove Ecosystem Vulnerability Indicators to Climate Change

VI. Publications

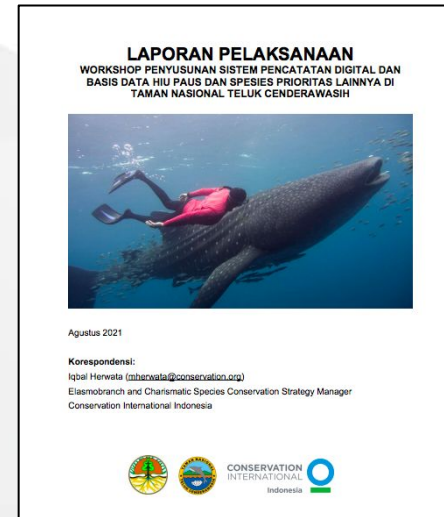
5. THREATENED SPECIES WORKING GROUP;



National Plan of Action for Whale Sharks 2021 – 2025:
https://drive.google.com/file/d/1VR_Jhit8qMGFPT6Z-tvIL_bWlr9Wceyf_e/view?usp=sharing



Technical report whale shark monitoring in Teluk Cenderawasih National Park 2021:
https://drive.google.com/file/d/1R_WD2_ZBxZAx0NKIBUuWZRr_wxv5WyXAY/vi_ew?usp=sharing



Workshop report of whale shark database development in Teluk Cenderawasih National Park 2021:
https://drive.google.com/file/d/1NCxpRP7lkHYSCEI9j0A6p3U0D_oVl_gU/view?usp=sharing



e-SAJI
 Mengenal lebih dekat

Application system for fish transportation (including shark and ray listed in CITES Appendix) for domestic and foreign trade (export/import) called "eSAJI":
<http://saji.kkp.go.id>



Bird Head Seascape Whale Shark Database:
<https://telukcenderawasihnationalpark.com/data-hiu-paus-bentang-laut-kepala-burung/>



Poster on Marine Mammals in Indonesia, produced by MMAF and BRIN (National Agency of Research and Innovation)





**Thank
you!**

