

The Priority for Marine & Coastal Resources Research to Supporting the Fisheries Sector



Research & Development Center for Marine & Coastal Resources
Agency for Marine & Fisheries Research & Development
Jakarta, 2011





**Research Priority on:
The Marine & Coastal Characteristics & Climate Change
(*Blue Carbon*)**

Period: 2010-2014

Topics	2010	2011	2012	2013	2014
Research on CO2 in Indonesian seas	Monitoring to the marine & coastal resources (incl. Indonesian CTI areas) & its relation to the climate change	Monitoring to the marine & coastal resources (incl. Indonesian CTI areas) & its relation to the climate change	Simulation/Modeling of the Marine Biogeochemistry/Ecology & CO2 sequestration	Its/An application to supporting the management of marine & coastal resources	Its/An application to supporting the management of marine & coastal resources
Study of marine & coastal vulnerabilities in Indonesian seas	Study & mapping of marine & coastal vulnerability in Java, Bali & NTB	Study & mapping of marine & coastal vulnerability in Sumatra & Kalimantan	Study & mapping of marine & coastal vulnerability in Sulawesi & NTT	Study & mapping of marine & coastal vulnerability in Maluku-Papua	Analysis on a policy of the climate change adaptation for marine & coastal area
Study of Marine Hazard Response (MAHAZ-ROSE) to the climate change in SEA region	Expert Exchange	Expert Exchange	Expert Exchange, Modeling & Analysis	Expert Exchange, Modeling & Analysis, Data dissemination	Expert Exchange, Modeling & Analysis, Data dissemination
Research on the role of ITF in the strait of Makasar, Karimata & Sunda	Scientific cruise in the strait of Makasar, Karimata & Sunda	Scientific cruise in the strait of Makasar, Karimata & Sunda	Analysis & Modeling	Expert Exchange, Modeling & Analysis, Data dissemination	Expert Exchange, Modeling & Analysis, Data dissemination
Research on the Java Upwelling Variations	Scientific cruise in South Java sea	Expert Exchange, Modeling & Analysis, Data dissemination	Expert Exchange, Modeling & Analysis, Data dissemination	Expert Exchange, Modeling & Analysis, Data dissemination	Expert Exchange, Modeling & Analysis, Data dissemination
INDEX Deep Sea Expedition/Exploration	Exploration on the geomorphostructure, hydrothermal & its ecosystems in Sangihe Talaud	Exploration on the geomorphostructure, hydrothermal & its ecosystems in Halmahera	Exploration on the geomorphostructure, hydrothermal & its ecosystems	Expert Exchange, Modeling & Analysis, Data dissemination	Expert Exchange, Modeling & Analysis, Data dissemination
	Outcome	Outcome	Outcome	Outcome	Outcome
	Oceanographic database, Modeling for regional waters Scientific publications, Spatial database & maps of the marine & coastal vulnerability (scale of 1:50,000).	Oceanographic database, Blue Carbon Labs, Upwelling Model, Scientific publications, Spatial database & maps of the marine & coastal vulnerability (scale of 1:50,000).	Oceanographic database, ITF modeling, Upwelling Model, Scientific publications, Spatial database & maps of the marine & coastal vulnerability (scale of 1:50,000).	Recomendation for management of the marine & coastal resources, Scientific publications, Spatial database & maps of the marine & coastal vulnerability (scale of 1:50,000).	Recomendation for management of the marine & coastal resources, Scientific publications, Spatial database & maps of the marine & coastal vulnerability (scale of 1:50,000).



Priority on:

The development of spatial data network for the national marine (Implementation of INAGOOS, Ocean & Climate Research Institute/Center, & the capacity research/building)

Periods: 2010-2014

Topic	2010	2011	2012	2013	2014
Implementation of the Indonesian Global Ocean Observing System (INAGOOS)	Building the data center for INAGOOS	Modeling of the national marine data spatial based on FMA, Dissemination programme, INAGOOS Regional	Application for the national marine spatial data, Ware developments, & the GOOS programme implementation	Development of the center for data & Information (<i>full scale</i>) services, Improvement of the information system technology for INAGOOS	Development of the integrated system for oceanographic long-term monitoring (full scale of the <i>operational oceanography</i>)
Workshop/Meeting/Seminar/Conference	Conducting an annual workshop/meeting/seminar/conference , INAGOOS Steering & Scientific Meeting, IOC/WESTPAC Session & Scientific Meeting	Conducting an annual workshop/meeting/seminar/conference, INAGOOS Regional Network Steering & Scientific Meeting	Conducting an annual workshop/meeting/seminar/conference, INAGOOS – IOGOOS - Asia Steering & Scientific Meeting	Conducting an annual workshop/meeting/seminar/conference, INAGOOS – IOC Executive Members Steering & Scientific Meeting	Conducting an annual workshop/meeting/seminar/conference, INAGOOS – IOC Executive Members Steering & Scientific Meeting
Implementation of the Ocean & Climate Research (Center/Institute)	Development of the Institute for Coastal Vulnerability in Bungus, Action Plan for Ocean & Climate Research 2011-2014	Operational & Monitoring	Operational & Monitoring	Operational & Monitoring	Operational & Monitoring, Action Plan for Ocean & Climate Research 2015-2019
Training/Capacity Building	Training of Ocean Remote Sensing, Ocean Data Management, & Ocean Modeling	Training of Ocean Remote Sensing, Ocean Data Management, & Ocean Modeling for climate change and Blue Carbon	Training of Ocean Remote Sensing, Ocean Data Management, & Ocean Modeling for climate change and Blue Carbon	Training of Ocean Remote Sensing, Ocean Data Management, & Ocean –coupled Modeling for climate change and Blue Carbon	Training of Ocean Remote Sensing, Ocean Data Management, & Ocean – coupled Modeling (full scale)
	Outcome	Luaran	Outcome	Outcome	Outcome
	1. Marine Data Labs 2. An (existing) Oceanography database 3. Modeling for regional seas 4. Building for LRKPL Office in Bungus 5. Structure & Infrastructure for research 6. Scientific publications 7. Atlas Spatial for Marine 8. 5 scientists/officers/technicians to be trained	1. Spatial database for 11 FMA 2. Apartments for scientists & experts in Bungus 3. Model for ocean forecasting 4. Scientific publications 5. Atlas Spatial for Marine 6. 15 scientists/officers/technicians to be trained & scholars	1. Application for Fisheries 2. Infrastructure & structure for the operational oceanography in Bali & Jakarta (a mirror-system) 3. Application of Safety for offshore activities 4. Atlas Spatial for marine 5. <i>Scientific exchange & scholarships (Masters & Ph.Ds)</i>	1. An <i>e-ocean observation services</i> (online) 2. International scientific publication 3. Atlas spatial formarine 4. <i>Scientific exchange & scholarships</i>	1. Recommendation of the Climate Change Policy for 2015 – 2020 2. Operational oceanography 3. International scientific publication 4. scientists/officers/technicians to be trained 5. <i>Scientific exchange & scholarships</i>