



**Establishment and Operation of a Regional System of  
Fisheries Refugia in the South China Sea and Gulf of Thailand**

**REPORT**

**FISHERIES REFUGIA INDONESIA OFFICIAL WEBSITE**

**JATILUHUR, INDONESIA**

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## BACKGROUND

The development of Website dealing within the context of a research project's implementation is considered as a minimum requirement for the diffusion of the project's results and visibility purposes. In addition, the webserver hosting the Website may facilitate other critical technical activities such as data maintenance and management by cooperating with a file server or provide classified access to the project resources through a cooperating content management system.

For the purposes of the fisheries refugia research project, the Website may serve both as a simple public information station and as a connection point with other project services.

The Web site is hosted on the Webserver which is a major component of the project's System Architecture. It is therefore necessary, to provide a brief description of the System Architecture (2). The project-specific needs for developing a special web page to present issues concerning the fisheries refugia project are covered in section (3). The different website versions as well as the major technical specifications of the software components selected are presented in the in section

## WEBSITE CONTENT

In this paragraph is described in brief the website content as it was integrated under different menus and submenus (Fig 1). In the table below is depicted the "Home" page of the project's website (<http://fisheries-refugia-indonesia.org>).

Menu features	Description	Submenus	Description
<b>Home page Or Home</b>	Main entrance page; provides links to other website pages	-	- Described about news that related with fisheries refugia research - Related partners of fisheries refugia project
<b>Background &amp; Situation</b>	Describes the background & Situation of fisheries refugia in Indonesia for overall objective and specific objectives as well	Status and Trends in fisheries and their	-
		Threat, Root causes and barrier analysis	-
		Institutional, sectoral & Policy Context	-
		Stakeholders mapping and Analysis	-
		Baseline analysis & Gaps	-
		Known Areas of Critical Significance to the Life- Cycles of Fisheries Resources	-
		Priority Fisheries Refugia Areas	-
<b>Management</b>	-	-	On progress
<b>Awareness Building</b>	-	-	On progress

<b>Activities Report</b>	Show all activities report since 2019 until now	Year 2019	Download page List of activities & report in 2019
		Year 2020	Download page List of activities & report in 2020
		Year 2021	Download page List of activities & report in 2021
<b>Data</b>	Provides information of Databases fisheries refugia Indonesia and linked into the internal server of fisheries refugia indonesia. With online Geographical Information System based on Google Maps or the other based online maps (etc. ARCGIS Online)	-	On progress
<b>Contact us</b>	Provides detailed contact information and contact form		

The screenshot displays the website's interface. At the top, there is a navigation bar with the following menu items: HOME, BACKGROUND & SITUATION, MANAGEMENT, AWARENESS BUILDING, ACTIVITIES REPORT, DATA, and CONTACT US. The main content area features a large banner image of a traditional Indonesian fishing boat (pinisi) with the text "Fisheries Refugia in Indonesia" and logos for SEAFDEC, UN environment, and GEF. Below the banner, there are four map-based sections:

- Map of Spawning Areas:** Spawning areas of demersal finfish and small pelagic fish species in Indonesia's South China Sea area. [Read More >>>](#)
- Map of Nursery Grounds:** Spawning and nursery grounds of small pelagic fishes in Indonesia's South China Sea area. [Read More >>>](#)
- Map of Sites in Indonesia:** The sites that was selected in Indonesia for inclusion in an initial system of fisheries refugia. [Read More >>>](#)
- Map of Revised Sites (green):** Highlights the revised priority sites for the establishment of fisheries refugia in Indonesia. [Read More >>>](#)

Fig1. Project's website home page &amp; main menu items

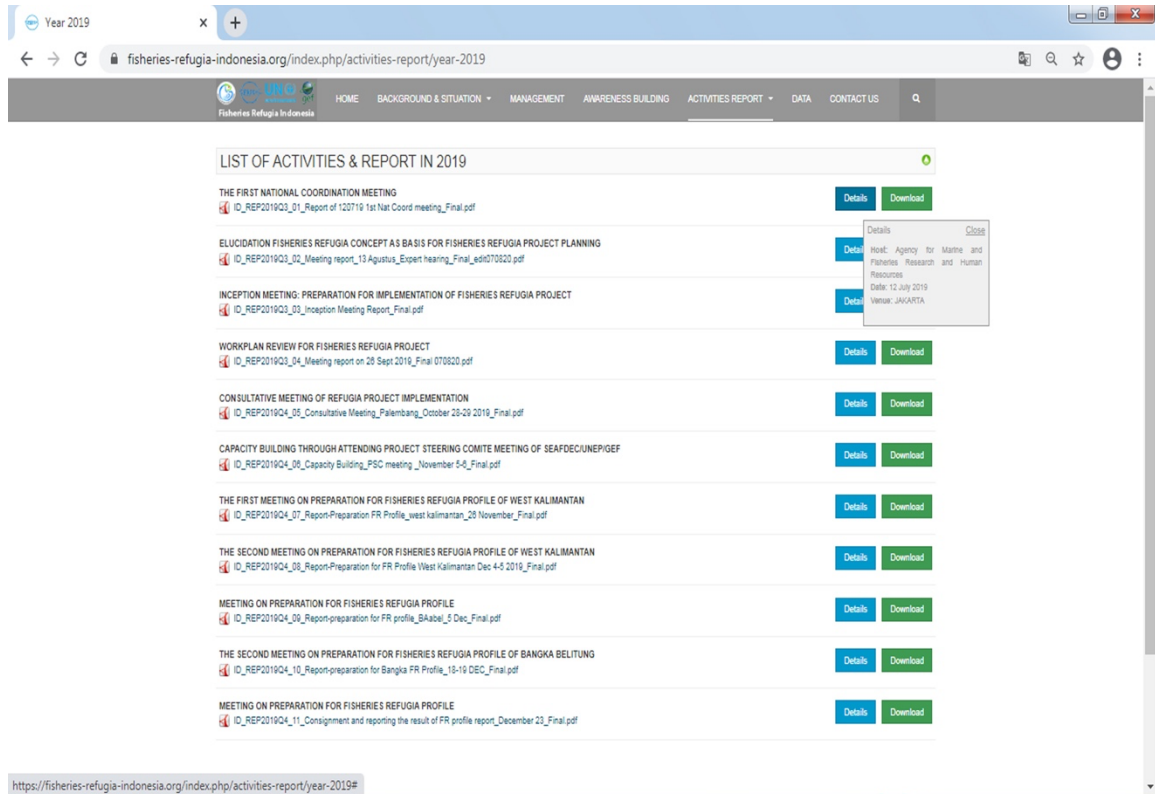


Fig2. Project’s website List of Activities Information and Download Page

Another advantage of the final version is that the project’s website is fully “responsive” which means that the webpage provides an optimal viewing and interaction experience-easy reading and navigation with a minimum of resizing, panning, and scrolling-across a wide range of devices (from desktop computer monitors to mobile phones). In the pictures below are depicted screenshots of the project’s website through mobile phone and tablet.

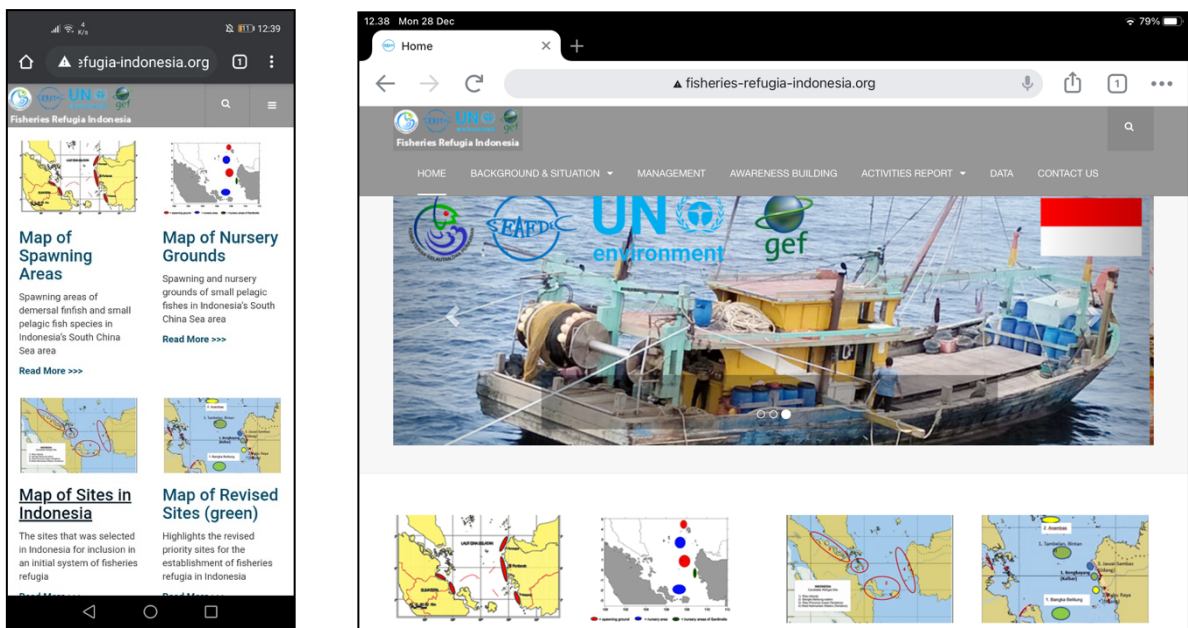


Fig3. Project’s website home page through mobile phone & Tablet

For future development this website is integrated with google maps or with other online maps such as Arcgis maps Online, while for input map data from both research location (Bangka Belitung & West Kalimantan). For example, in development stage can be seen in the following picture (Fig4).

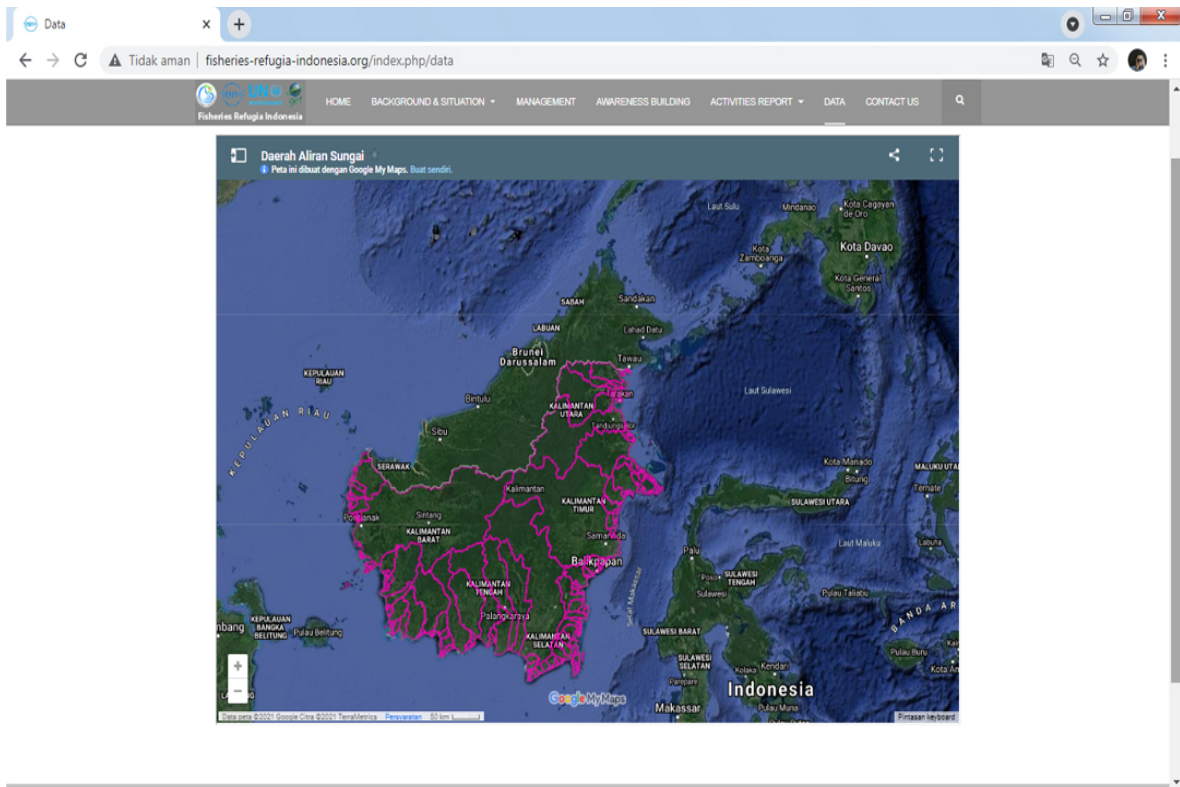


Fig4. Project's website menu data items  
(Geographic Information System based on Google Maps)