

Country / City Thailand / Project : Kantang Distrct, Trang Province

University / School Chulalongkorn University

Academic year

2019

Title of the project Community Landscape Development for Dugong Conservation

Authors Paveenuch Rujipipatwong

TECHNICAL DOSSIER

Title of the project Community Landscape Development for Dugong Conservation

Authors Paveenuch Rujipipatwong

Title of the course Bachelor Of Landscape Architecture

Academic year 201

Teaching Staff
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Department/Section/Program of belonging Landscape Architecture

University/School Chulalongkorn University

Written statement, short description of the project in English, no more than 250 words

The Dugong is classified as Vulnerable on the IUCN Red List of Threatened Species. Presently, the dugong population is on the decrease and their mortality rates continue to increase annually. The main cause is due to human threats to their natural resources impacting the ecosystem of seagrass which is a dugong's main diet. Its habitat is also the first ecosystem to be impacted by various changes, as it acts as the gate between the coast and the sea. The deterioration of seagrass ecosystem and increased morality rates of dugongs has led to a state policy aiming to develop Andaman seacoast communities into a model community for dugong conservation. The main occupations in these communities are fishery and agriculture, and it is Thailand's largest seagrass ecosystem and dugong habitat. The expansion of communities and the tourism industry has caused various nagative impacts to the dugong habitat, including shrimp farming, monoculture, dropping waste and sediments into the sea, and inappropriate fishery. The objective of this community landscape development for dugong conservation project is to restore natural resources, develop the community to be able to co-exist with other living beings, as well as providing knowledge, instilling and creating awareness in nature conservation, and promoting sustainable ecotourism.

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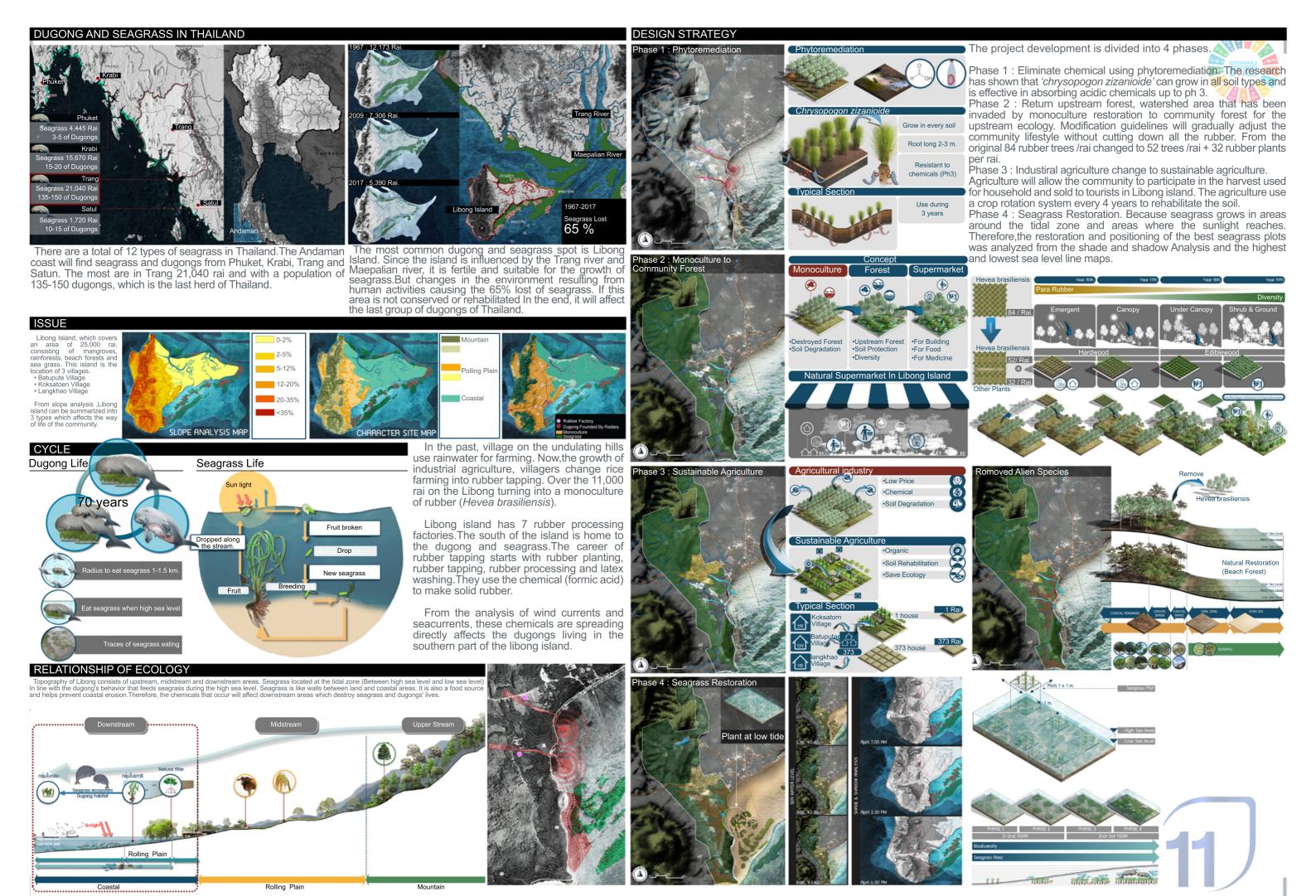


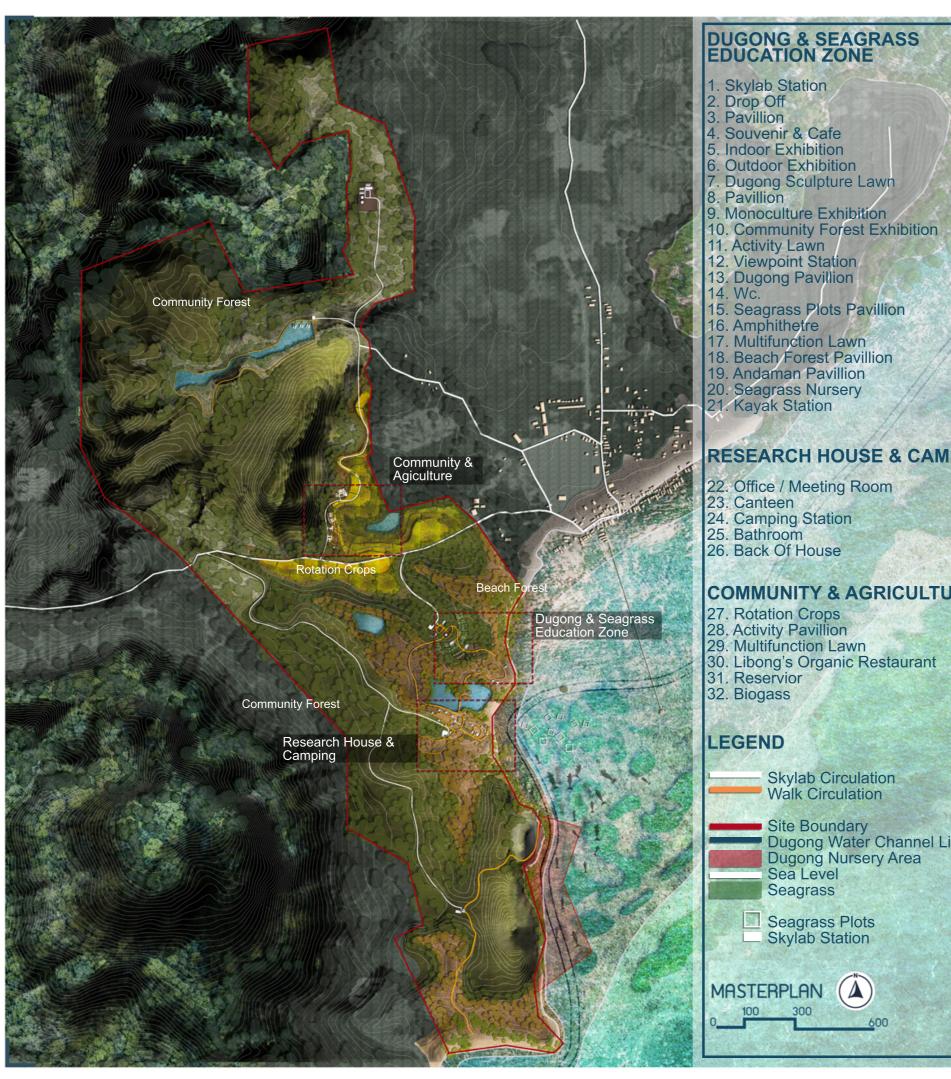


CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020 SCHOOL PRIZE





DUGONG & SEAGRASS EDUCATION ZONE

- Skylab Station
 Drop Off
 Pavillion

- 4. Souvenir & Cafe 5. Indoor Exhibition

- 15. Seagrass Plots Pavillion 16. Amphithetre

RESEARCH HOUSE & CAMPING

- 22. Office / Meeting Room

COMMUNITY & AGRICULTURE

- 27. Rotation Crops
 28. Activity Pavillion
 29. Multifunction Lawn
 30. Libong's Organic Restaurant
 31. Reservior
- 32. Biogass

LEGEND

Skylab Circulation Walk Circulation

Site Boundary
Dugong Water Channel Line
Dugong Nursery Area
Sea Level Seagrass

Seagrass Plots
Skylab Station

MASTERPLAN (A)



