



Country / City
University / School
Academic year
Title of the project
Authors

United States / New York
The City College of New York / SSA
2017-2018
Songs from the Ocean, Dancers from the Land
Kate Jirasiritham





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

Avenida Diagonal, 649 piso 5

08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project Songs from the Ocean, Dancers from the Land
Authors Kate Jirasiritham
Title of the course Comprehensive Studio
Academic year S 2018
Teaching Staff Catherine Seavitt Nordenson / Matthew Seibert
Department/Section/Program of belonging Graduate Landscape Architecture
University/School The City College of New York / SSA

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

This proposal explores a synchronized ecological system in the coastal habitats of Phuket, Thailand as one intricate choreography. The design attempts to conduct the synergistic relationships between system components and functions; one habitat plays music for the other to dance. With our most vital companions at stake, this project examines a way to work together, benefit each other, and ensure the survival of our future ocean.

For further information

Máster d'Arquitectura del Paisatge -DUOT - UPC

T: + 34 93 401 64 11 / +34 93 552 0842

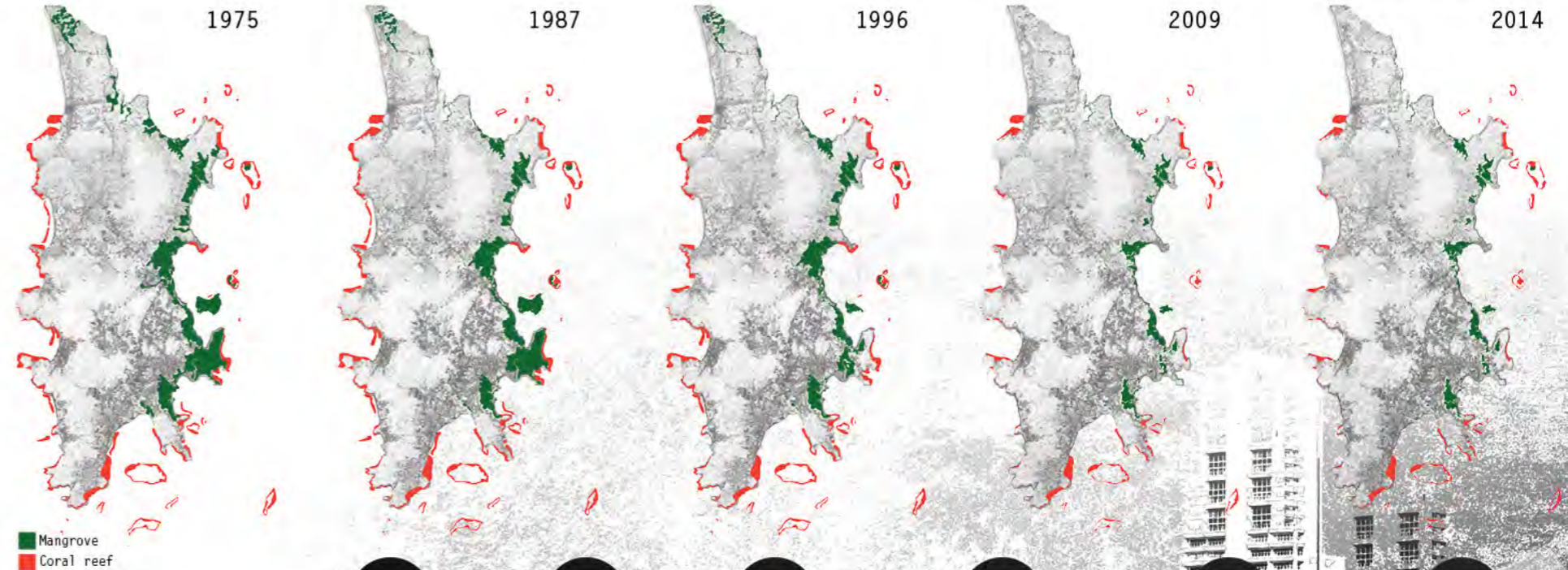
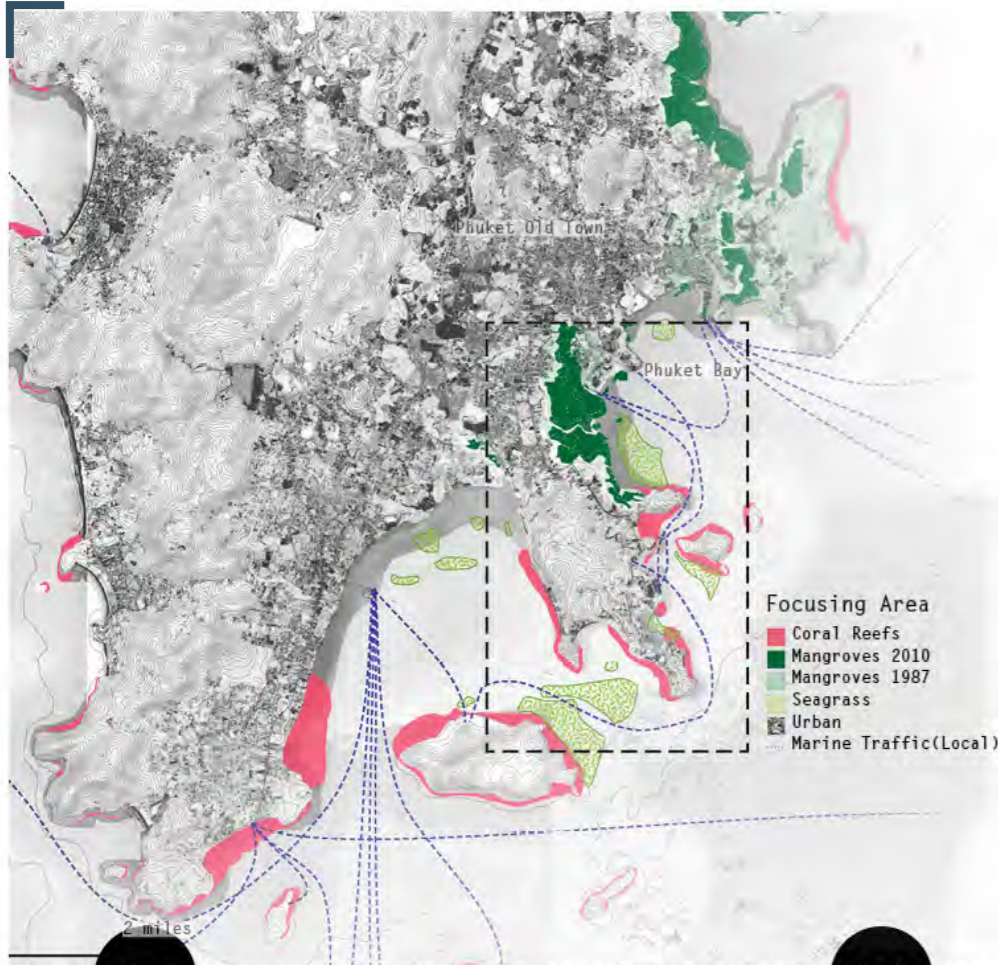
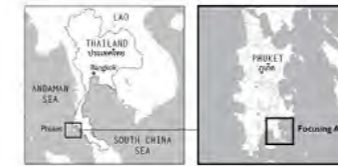
Contact via email at: biennial.paisatge@upc.edu

Consult the web page <http://landscape.coac.net/>

SONGS FROM THE OCEAN DANCERS FROM THE LAND

Rendering An Ecological Choreography
of Coastal Habitats in Phuket, Thailand

Kate Jirasiritham



1545 1930s 1970s 1980s 1988 1996 2005 2014

The Port Island

The Portuguese explorer Fernão Mendes Pinto arrived in Siam in 1545. He explored the country's ports in the south and referred to the island as 'Junk Ceylon', which was a destination port where trading vessels made stops for supplies.

Tin Mining

From the 16th century till 18th century, abundant tin minerals were found across the island, leading to Chinese migrating to Phuket to work in the tin operations. During the reign of King Chulalongkorn (Rama V), Phuket became the administrative center of the tin-producing southern provinces.

Shrimp Farming

Shrimp farming was introduced to coastal Thailand by Chinese immigrants. In the early 1970s, the Thai government promoted semi-intensive and intensive shrimp production, which quickly spread to coastal areas, placing Thailand as the world's third-largest exporter and main producers of shrimp in the world.

Tourism

Since 1973, the Tourism Authority of Thailand announced its plans to develop Phuket into a major center of Tourism.

Shrimp Boom

The introduction of the semi-intensive culture systems to Thailand was quickly followed by the development of intensive farming techniques featuring smaller ponds, mechanical aeration, prepared feeds, fertilizers, chemicals and antibiotics.

Environmental Impact

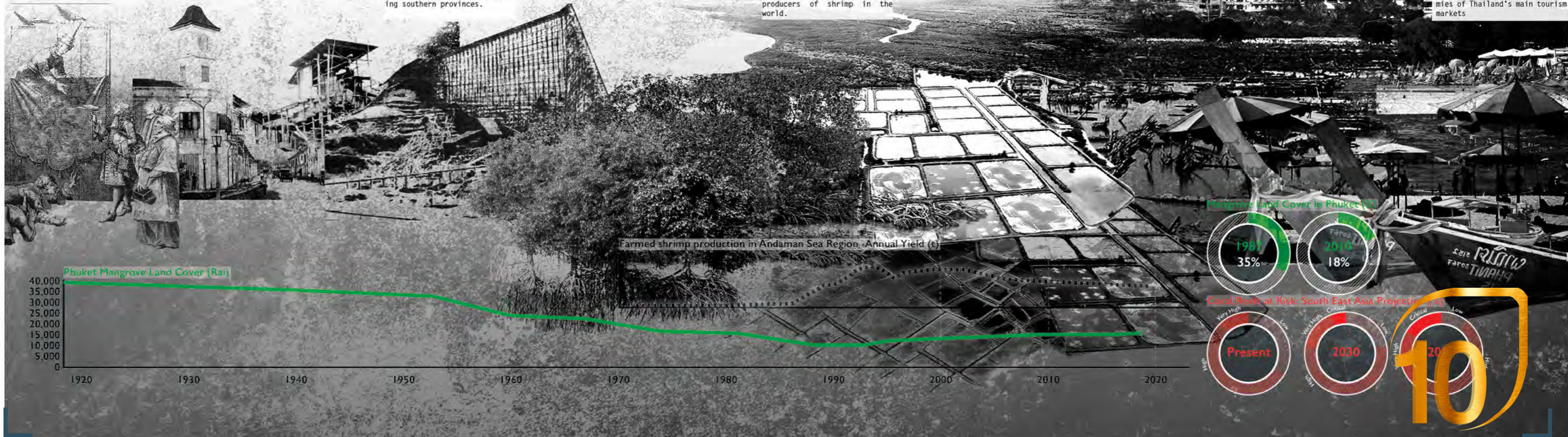
Crop failures in the 1990s had a serious economic impact on novice shrimp farmers. 60% of the shrimp farming area in Thailand was abandoned in the years 1989-1996.

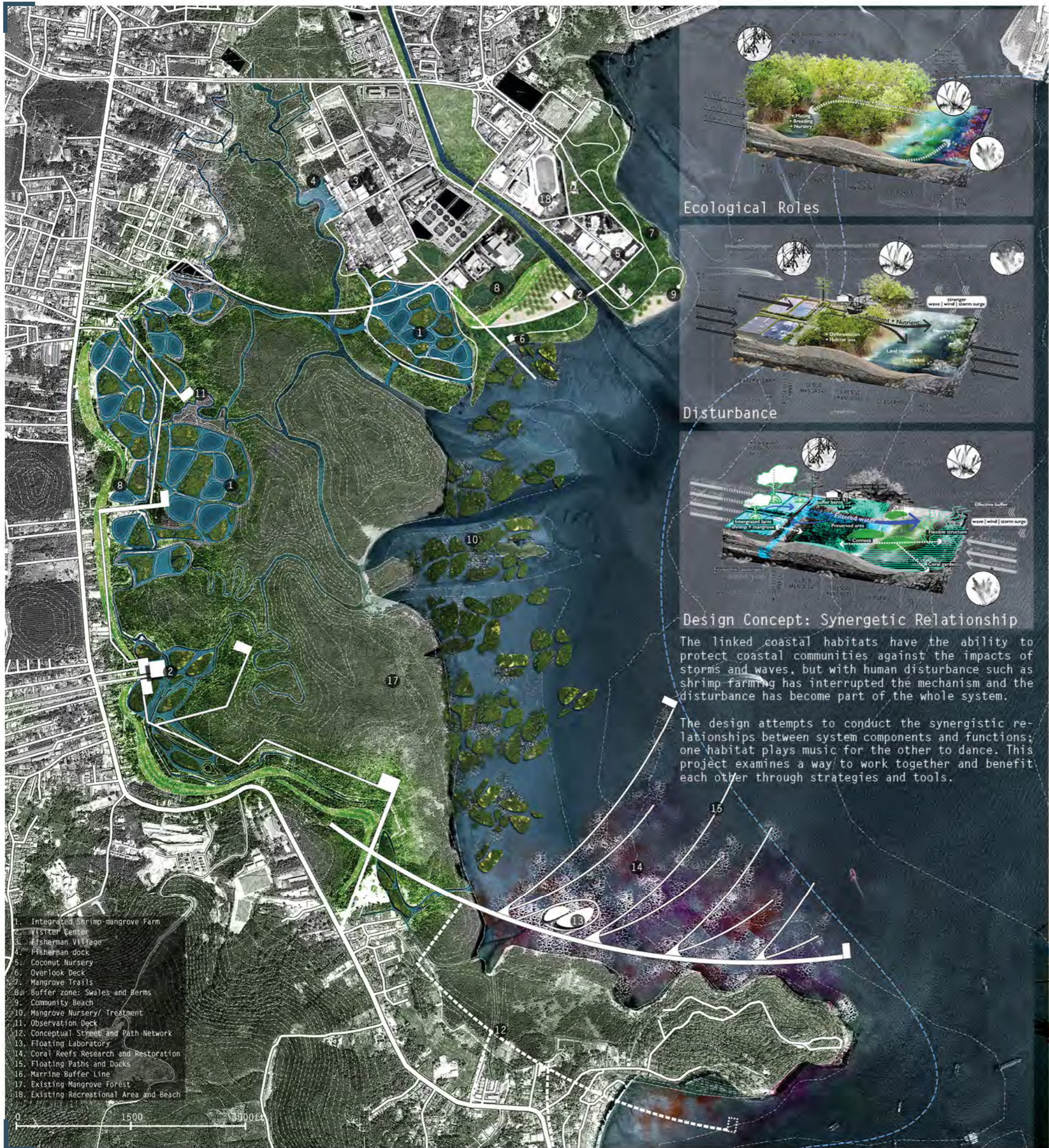
Tourism Boom

In July 2005, Phuket was voted one of the world's top five resort destinations by Forrester's Traveler's Choice award. Thailand was abandoned in the place among the world's top 10 islands in the latest reader survey conducted by travel review website TripAdvisor.

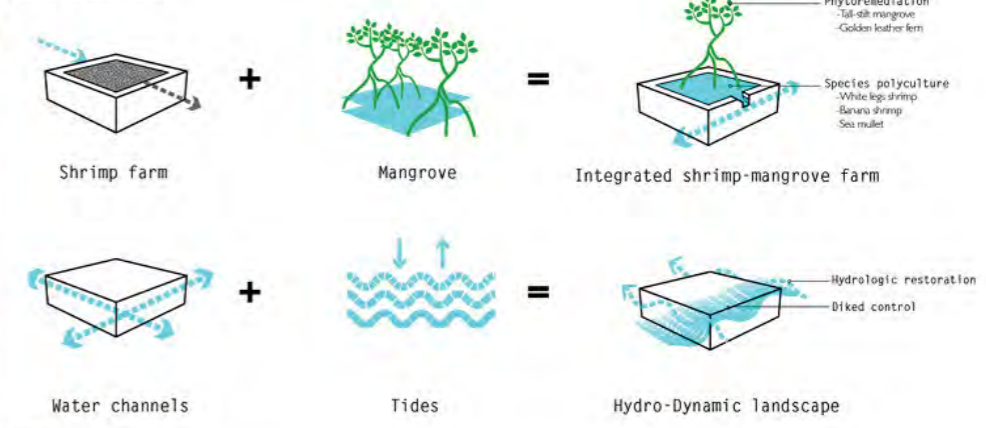
Rankings Drops

Thailand received a status on the world's international tourist arrival chart slip to 14th from 10th in 2013. The Tourism Authority of Thailand said the political stand-off in the early part of last year coupled with the May 22 coup and the sluggish economies of Thailand's main tourism markets.

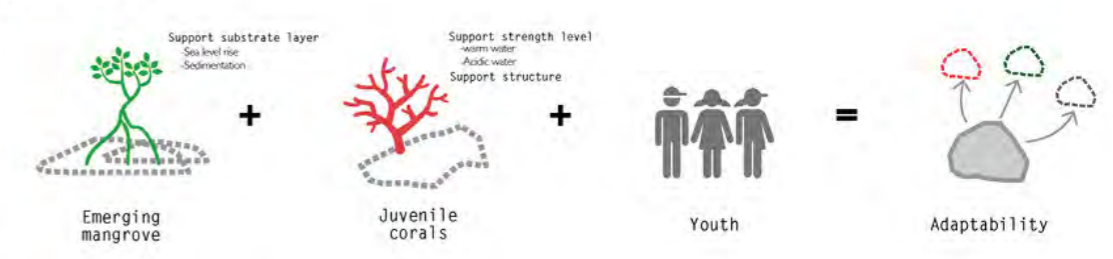




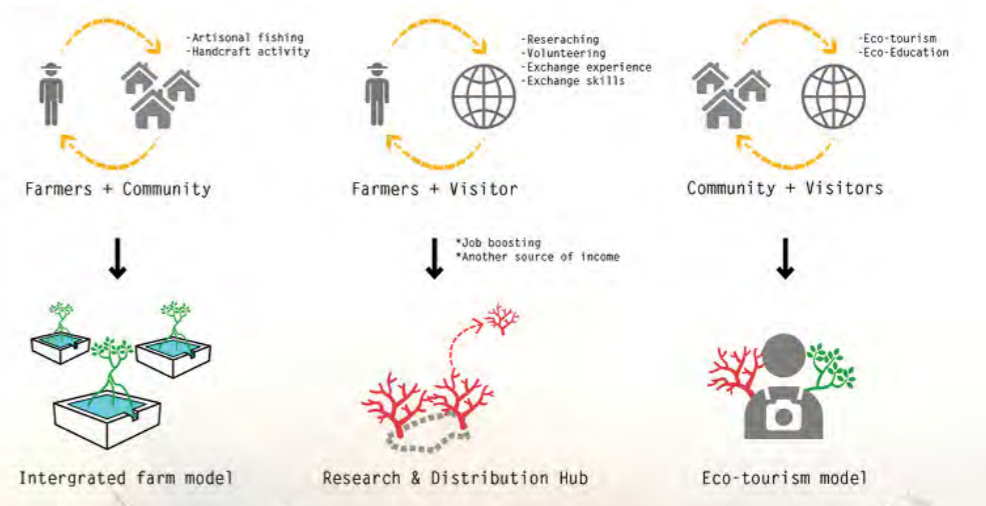
DESIGN STRATEGY
INTEGRATE



FOSTER



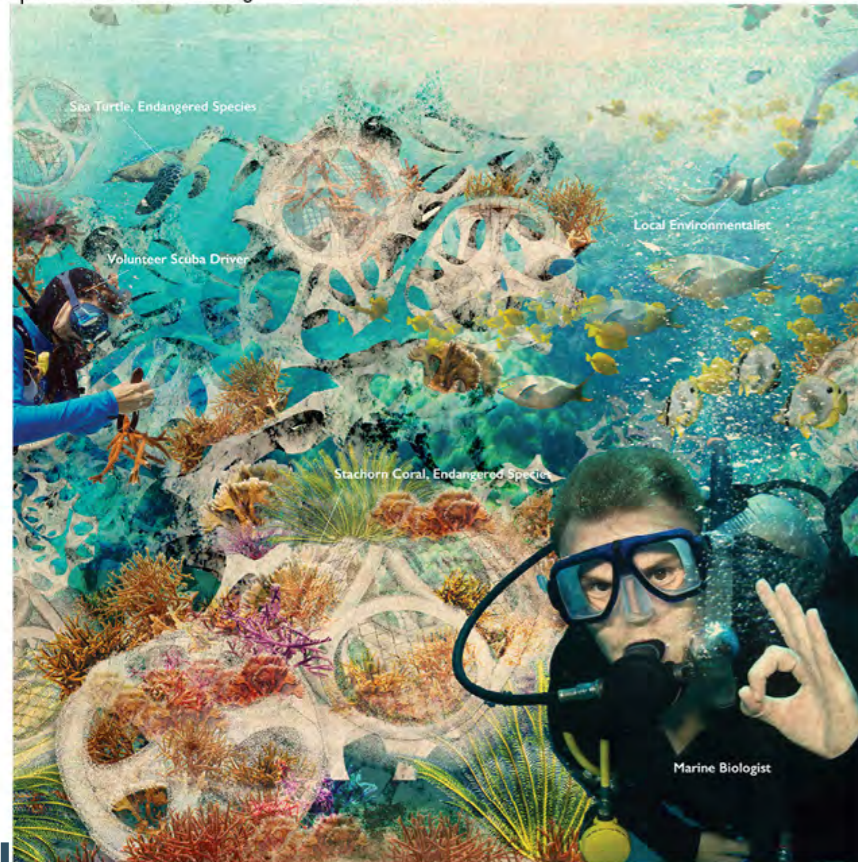
CONNECT + SPREAD



The integrated shrimp-mangrove farm in two seasons shows how farmers can grow healthier shrimps, accommodate the mangrove while strategy supports both local economy and habitat health.

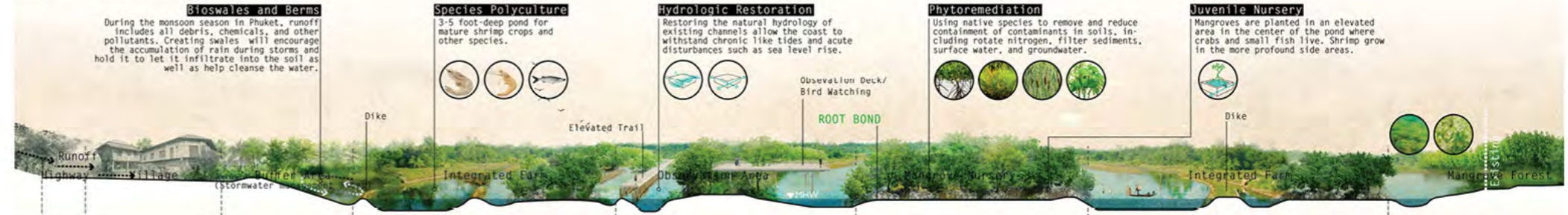


The rendering shows the scene of a coral reef site, using technology and proper design to support coral reef structure and create research hub for testing, monitoring, gardening corals, and distributing pioneer species and knowledge to other sites.

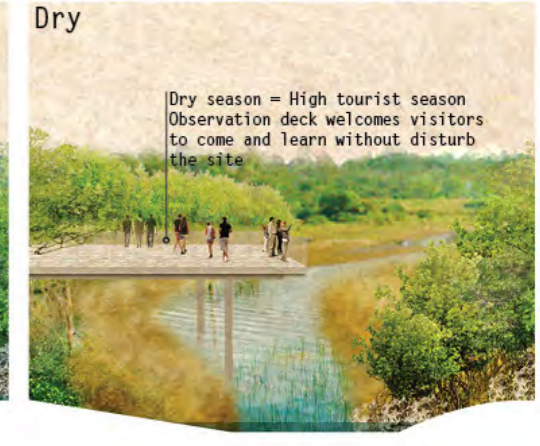
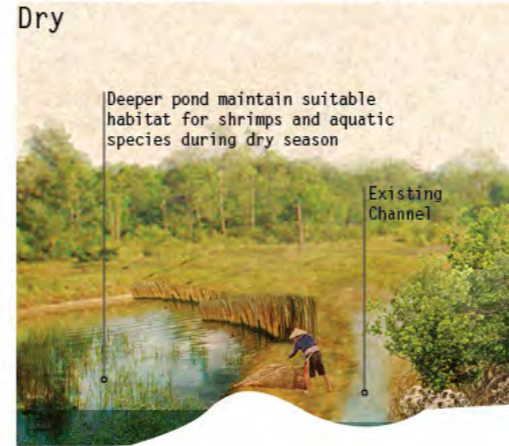
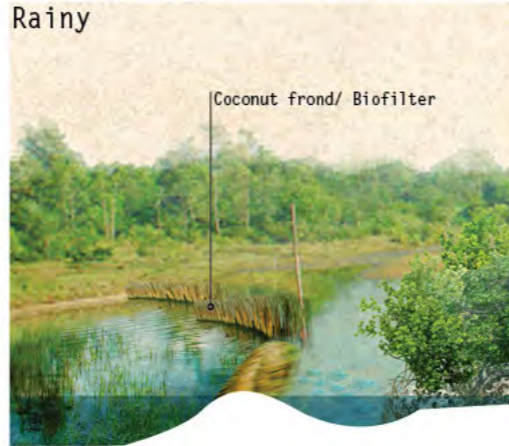
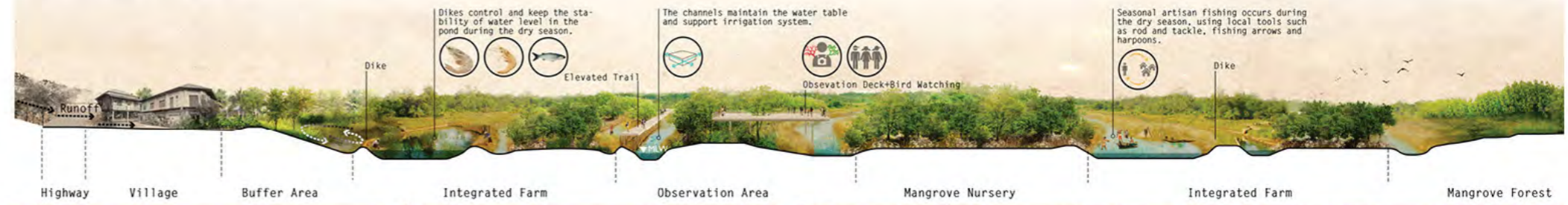


LAND FARMS AND SEASONALITY

Rainy Season: 9 months



Dry Season: 3 months



OCEAN PIONEER AND TECHNOLOGY



PEOPLE CONNECT: LOCALS + COMMUNITY + VISITORS

