# ABOUT CORECT

Corect is a research group comprised of marine scientists and coastal community empowerment practitioners from Brawijaya University, Malang.

Our works is dedicated to strengthening the research database and activities includes the implementation of science and technology to improve coastal habitats and communities resiliency, formulate the adaptation strategy to the impacts of climate change in coastal areas, particularly in tropical region.

Examples of expected research outcomes include:

- (1) Improving databases of coastal habitats and timely delivery of accurate environmental monitoring ,
- (2) Initiate partnership with the local governments, universities and stakeholders in the development of better stategy of coastal habitat and community resiliency,
- (3) Give trainings and education to the students, practitioners and local communities of coastal climate change impacts and adaptation strategy

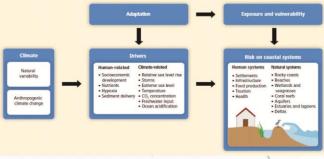


#### CoReCT-RG

Coastal Resilience and Climate Change Adaptation - Research Group

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# Climate Change Impacts on Coastal Areas Adaptation → Exposure and well



"Climate, just as anthropogenic or natural variability, affects both climate and human related drivers. Risk on coastal systems is the outcome of integrating drivers associated hazards, exposure, and vulnerability. Adaptation options can be implemented either to modify the hazards or exposure and vulnerability, or both."

[Source: Coastal and Low Lying Areas, WGII, IPCC: 2014]







COASTAL RESILIENCE AND CLIMATE CHANGE ADAPTATION



COASTAL RESILIENCE AND CLIMATE CHANGE ADAPTATION

### OUR TEAM



#### VISION

Being a world class research group in the tropical coastal resources management to improve coastal community and ecosystem resilience facing the global Climate Change

#### MISSION

The research group focused on two major studies:

(1) Strengthening database of coastal environment, spatial and eco-biology for sustainable coastal management

(2)Strengthening the resilience of the coastal habitat and coastal community adaptation to the impacts of climate change

#### GOALS

- (1) Applying science and technology to strengthen the oastal environment, spatial and eco-biology for sustainable coastal management
- (2) Set up programs to improve the resilience of the coastal habitat and coastal community adaptation to the impacts of climate change

Coastal planning

## LABS AND FACILITIES

Marine Exploration Laboratory, Faculty of Fisheries and Marine Science, Brawijaya University (supporting facilities for marine ecology, oceanography and acoustic surveys)

Fisheries Biotechnology Laboratory, Faculty of Fisheries and Marine Science, Brawijaya University (supporting facilities for biotech analysis)

> **All supported Laboratories** Brawijaya University, Malang

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analysis (in situ and remote sensing) Habitat Biomolecular and

MPA spatial

· Coastal sustainable

management

planning

bioprospecting

Coastal habitat

 Coastal pollution monitoring Environment

 Carbon stock assesment

 Community development and resilience strategy

