

# Sustainable tourism model for biodiversity conservation and water resilience of Cat Ba Archipelago

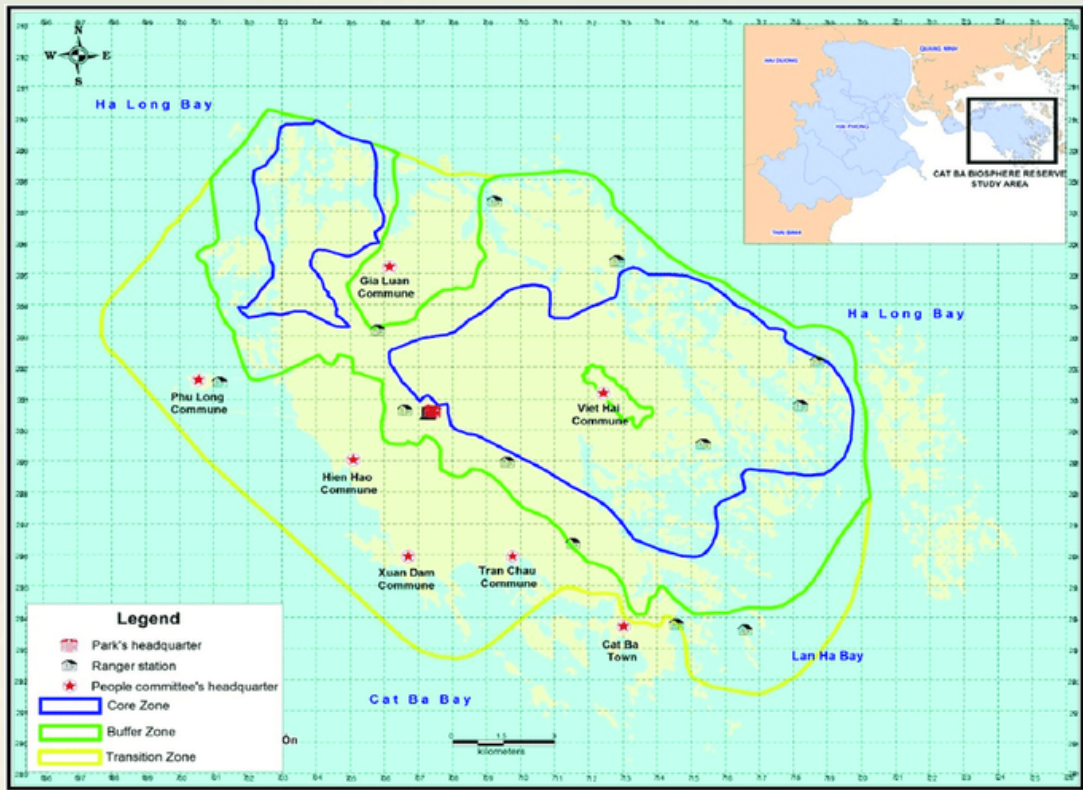


*Neri*



Case study location: Cat Ba Biosphere Reserve

Main beneficial



 **750K m3**  
waste water/year



wastewater is not collected or treated but is dumped directly

 **visitors**  
to Cat Ba is large


Smallholder fishermen in Cat Ba

 **45 000**  
people in 2019

 our target

**400** **1200 fishermen**

 **overloaded**  
cannot develop economy more

 **climate change**  
caused the death rate of caged fish

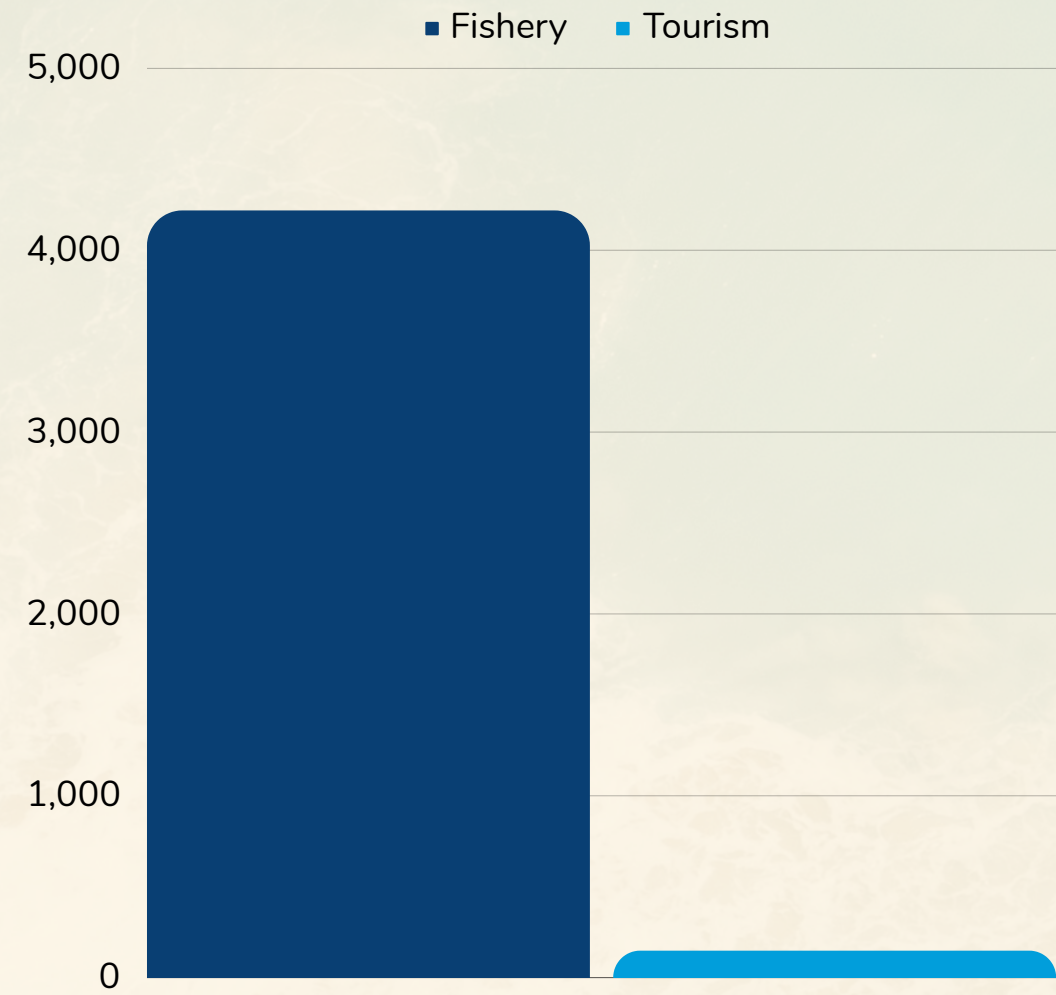
Tourists and government in Cat Ba



Problem statement

Estimated cost of climate change in 2020 (million USD)

 THE WORLD BANK



Ideation cloud



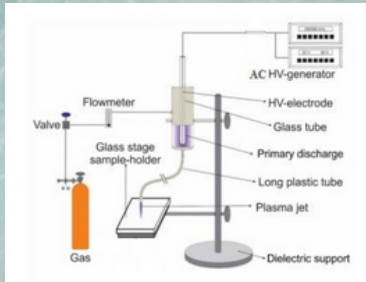
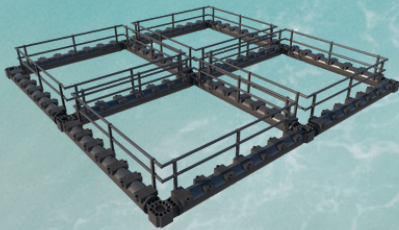
*What Cat Ba needs today is a Green, Resilient, and Inclusive Development (GRID) model*



Our solution is an inclusive **model for nature-based and sustainable tourism** to tackle the current challenges at Cat Ba Biosphere Reserve



Ideation cloud	COST	TIME	LEVEL OF DIFFICULT	ENVIRONMENTAL BENEFITS	OVERALL
OFFSHORE AQUACULTURE	2*	2*	3*	4*	2,75
CLEANS THE WATER & MARINE AREAS	4*	1*	4*	5*	3,5
RECYCLING WASTE	3*	2*	3*	5*	3,25
SUSTAINABLE TOURISM	4*	3*	4*	5*	4





## Selection: Promoting sustainable tourism in Cat Ba

### What is special?

- real-life activities of the fishermen
- rare experience
- community tourism
- preserving the spiritual values



Experiential  
tourism



Training  
tourism



High-end  
resort tourism

### Tourism with seaweed farming



preserve living environment of fishermen

- integrated with other species promotes the effect of **cleaning the living environment** and food sources
- **raising fishermen's awareness** of protecting the marine environment
- tourists can practice **sustainable tourism**





*Thank You*