

Review of: "Studying the Level of Livelihood Vulnerability and the Necessity of the Work Developing a Farmhouse Economic Economic Model to Adapt to Climate Change in the Coastal Area of Ben Tre"

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Potential competing interests: No potential competing interests to declare.

An interesting paper. A case study of Ben Tre and the level of vulnerability to livelihoods from climate change. However, it needs some work to explain methods, terms, and structure questions and answers.

Few detailed observations below:

Abstract - Removed a few full stops and edited

Among geographical regions, the Mekong River Delta (MRD), especially coastal areas, is the most sensitive and vulnerable to the impacts of climate change, directly from sea level rise, saltwater intrusion, changes in hydrological properties, and changes in the nature of monsoons and tropical storms. The impact of climate change in recent years has been shown quite clearly in the coastal areas of Ben Tre province. Saltwater intrusion, drought, scarcity of fresh water, flooding due to high tides, and rising sea levels have seriously affected the livelihoods of poor communities living in lowland and coastal areas. This article presents the results of research on the level of livelihood vulnerability and the necessity of choosing appropriate ecological economic models for people in coastal communes of Ben Tre province under the impact of climate change.

1. Ask a problem

Suggest rewording the first sentence: Climate change has been causing multifaceted impacts on the natural environment, biodiversity, human livelihoods, and survival.

Vietnam is considered one of the five countries most severely affected by climate change. Need a reference for this.

Copied from abstract, need to rephrase to ask the question/problem "What is the level of vulnerability of the livelihoods of three coastal communes in the MRD?" "What are the best ecological economic models to support future livelihoods?"

Then need to answer these in the conclusions.

Figure 1. Ben Tre Province, Mekong River Delta, Vietnam, showing the topography of the three coastal districts: Binh Dai, Ba Tri, Ben Tre and the location of the three communes surveyed.

I think there should also be an inset of Vietnam with the location of Ben Tre

Don't write 03, change to three.

Can change hectares to ha.

where people grow crops such as watermelon, cassava, peanuts... about 56%.,

What does 56% relate to?

I think this data on the communes would be better in a table. Could also add information on households.

Research Methods

Add references to the research methods used.

People's lives in An Thuy, Thua Duc, and Thanh Hai mainly rely on agricultural production: growing crops on sandy land; shrimp and crab farming in mangrove forests; raising clams and blood cockles in tidal areas (mud flats, sand dunes); and fishing in estuary areas. Raising cattle and poultry on a small household scale is also common.

(Table 3.1). Table 2?

Plant color changes to crop planting throughout.

3.2. Extreme weather phenomena

What is Shes Limited? What year is this, 2021?

Can you get access to weather information such as temperatures and rainfall and add a figure? Is it changing year on year? Compare to 5 and 10 years ago?

Table 3.3: It is not clear what the level of damage is.

Is this out of 3 or 10? Or number of times?

Salty? Does this mean saltwater intrusion? Or lack of freshwater?

Flooding: Is this with rain or seawater?

Table 3.4. Impact of factors on community livelihoods: delete "unnatural."

Delete pets.

Lack of cooperation between early rows: What does this mean?

Main farming household livelihood models

Nice table, but please add ranks

Ranking rating according to 5 criteria: 1=Urgency, 2=Stability, 3=Integration, 4=Feasibility (cost), 5=Sustainability

Evaluation: T= Good; K= good, TB= average) Why are there 2 goods?

Proposed solutions need to be expanded and discussed further.

Alternative livelihoods? Aquaponics: Discuss here before mention in conclusions.

Mangroves' importance for coastal protection: Discuss here.

Desalination plant?

Conclusions - Summary of the whole paper and how best to use information and how to implement and when.