

# Review of: "Stock Estimation Trial From Spatio-temporal Limited Data of Six Commercial Species in the Middle Madeira River, Southwest Amazon"

Chaimae El Bouzidi<sup>1</sup>

<sup>1</sup> Abdelmalek Essaâdi University

Potential competing interests: No potential competing interests to declare.

The study represents the stock assessment of six fish species sampled at various sampling sites, a contribution that could make a considerable impact on the exploitation and conservation of these species.

However, improvement of certain parts is strongly recommended. Following is a list of comments and suggestions.

## Introduction:

The introduction focuses more on the method used than on the species concerned, and the problem is not clearly defined.

- Please justify the choice of these species; what is the commercial and economic value of these species with references!
- The environmental conditions of the sampling sites are missing.
- What are the characteristics of the fishing gear used?
- What regulations and restrictions are in place to ensure sustainable fishing practices in the area?
- Please cite the results of studies conducted on these species at the national and international levels. If this study is the first conducted on these species in this region, you should mention it.
- The purpose of the study is not clearly defined.

## Materials and Methods

- A map of the study area and sampling sites is missing!
- Please justify the choice of sites.

## Results:

For a reliable stock assessment, data covering at least 10 years of CPUE are essential, in order to observe fluctuations

and draw conclusions about stock state.

-It is recommended to insert a curve on the CPUE / year (of previous years) to estimate the exploitation of these species (if it is a first study, ignore this point).

#### **Discussion:**

- The discussion needs to be enriched by comparing the results of literature studies on these species.
- Highlight the impact of the hydroelectric projects in the area on the environment and fisheries resources.
- Could you please provide information on the existing regulations for the conservation of these species, and what recommendations do you propose to enhance their exploitation sustainably?
- **Finally**, the present work needs to be thoroughly revised.