

Review of: "Larache's Coastal in Morocco: Evaluating Dredging's Impact on Fisheries and Shorelineevolution"

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Title: Larache's Coastal in Morocco: Evaluating Dredging's Impact on Fisheries and Shoreline Evolution

The major comments are as follows:

A. Abstract

 Most parts of the abstract are general views of the authors in fact, it should briefly discuss data used, methodology adopted, results obtained, and brief conclusions. Needs proper revision of the abstract.

A. Introduction

- The introduction should also highlight not only the erosion but also the accretion process related to sand dredging for a proper understanding of the shoreline evaluation process.
- However, some aspects of redistribution of sediments are discussed, but the process of accretion and its long-term impact on shoreline evaluation should also be outlined.

A. Description of the Study Area

- A location map of the study area should be included for better understanding.
- The climate part should also include rainfall and distribution for understanding the sediment load offshore and at the river mouth.

A. Methodology Adopted

- The methodology does not indicate how the impact of dredging on the natural environment like changes in benthic fauna is analyzed.
- It also does not indicate what kind of data, whether any multi-temporal satellite data, is used in analysis using Google
 Earth. However, no details about data analysis are discussed.



A. RESULTS

- Evolution of the coastline between 2011 and 2016: It shows Google Earth data of 2011 and 2016 used for monitoring coastline changes, also indicating areas of erosion and accretion.
- The results indicate a higher rate and amount of accretion as compared to erosion during the period of 6 years. In fact, this should have a positive impact on the benthic environment of the area.
- Similar is the trend during the period from 2016 to 2020. Therefore, proper reasoning for such processes of increased erosion in some parts and increased accretion in other parts needs to be properly analyzed for adopting better mitigation measures in different parts of the coastal area.

A. CONCLUSIONS

The conclusions are very general in nature and discuss only impacts of dredging on fisheries. However, they should also bring out the major results related to the major processes of erosion and accretion and their long-term impact on shoreline evaluation.

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