

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

Irene Pancrazi<sup>1</sup>

<sup>1</sup> University of Genoa

**Potential competing interests:** No potential competing interests to declare.

## Qeios

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

**Authors:** Mohammed Saddik<sup>1</sup>, Ilham Zoubeidi<sup>2</sup>, Khaoula Lagrini<sup>3</sup>, Hasnae Achchab

## Comments:

The article is overall informative about the dredging activities taking place in Larache. However, the results (negative impacts on the environment) are not certainly linked with these activities but rather "probably" or in synergic effect with the natural impacts.

Also, the period covered by the study spans from 2011 to 2020. I believe it would have been interesting to see how the resumption of the dredging activities impacted the coast and the coastal population in the following years.

Here I leave a few comments on the text and some suggestions:

- 1.1. Coastline Impacts of Dredging

The following sentence is not clear

"In Morocco, a similar situation is observed, where the intensive dredging of the tidal delta at the mouth of the Sebou River and within it raises concerns regarding its potential effects on the cause of a significant retreat of the northern part of Mehdia Beach."

Maybe consider rephrasing into the following option:

"...Is raising concerns regarding its potential effects on the loss of the northern part of Mehdia Beach."

- 1.2. Biological Impacts of Dredging

In the sentence: "Dredging can have a significant impact on benthic fauna, which includes organisms that live at the bottom of the water, such as marine animals, crustaceans, mollusks, and aquatic plants," you are indeed mentioning "marine animals," which already includes crustaceans and mollusks. This sounds to me like a repetition.

- 2.2.2 Fauna
- Marine mammals

All the scientific names must be in *italic font*.

- Fishery resources:

All the scientific names must be in *italic font*.

## 6. Discussion of the Results

The following sentence is not clear:

“These adverse weather conditions affect water temperature, pH, and oxygen levels, impacting the life, growth, reproduction, and survival of fishery resources.”

What causes the increase in water temperatures, pH, and oxygen levels is not the bad weather, but rather climate change, which is modifying the natural balance of our oceans.