A MEDITERRANEAN COASTAL DATABASE
FOR ASSESSING THE IMPACTS OF SEA-LEVEL RISE AND ASSOCIATED HAZARDS

HIGHLIGHTS

1. We have developed a new coastal database to support vulnerability and impact assessment to sea-level rise and associated hazards at regional scale.

2. The database contains 158 parameters on current conditions and plausible future developments of the coastal system.

3. The data structure of the database relies on a linear representation of the coast with associated spatial assessment units.

4. The database will be open-access after publication.

A coastal data model is needed to depict a coastal system in a format that can be stored in a database.

First, we divided the coast into segments homogenous in terms of impact, vulnerability and adaptation to SLR.

Second, we intersected existing administrative units...

...to create spatial coastal assessment units for each segment.

DATABASE

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<th>ID</th>
<th>Sea-level rise</th>
<th>N° of people</th>
<th>Landuse</th>
<th>Extreme water levels</th>
<th>GDP per capita</th>
<th>Vertical land movement</th>
<th>Coast material</th>
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+ 151 PARAMETERS

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