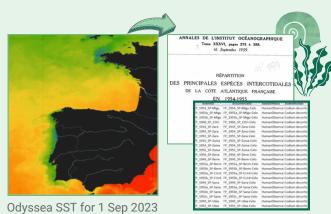
CHALLENGES AND LESSONS LEARNED FROM THE RESCUE OF HISTORICAL DATA TO ASSESS BIODIVERSITY SHIFTS ON ROCKY SHORES ALONG THE ATLANTIC COAST OF EUROPE

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CONTEXT AND OBJECTIVE

- Coastal ecosystems face growing impacts of climate change → reshaping their biodiversity.
- The rocky intertidal communities from the Northeastern Atlantic are located within a biogeographical transition zone: a mosaic of coldand warm-adapted species, driven by regional climatic factors like upwelling.



Objective

Establish a properly curated historical baseline

Digitising, curating and standardising data of intertidal biodiversity collected by Édouard Fischer-Piette in the 1950s along the Atlantic coast of Europe

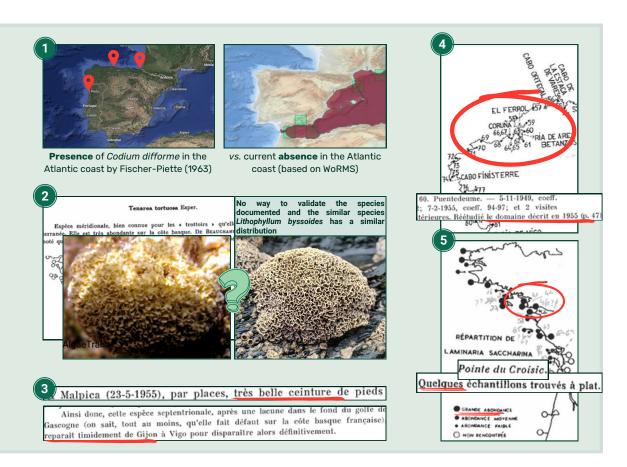
METHODS AND CHALLENGES

Access to research papers

 On online repositories or libraries, but a few could not be located.

Data harmonization

- Uncertain geographical distribution of species;
- 2. Outdated or uncertain taxonomy;
- 3. **Difficulties** in translating from french or from **subjective descriptions**;
- 4. Lack of metadata on the sampling locations;
- 5. Absence of a standardised abundance scale.







In preparation

Two datasets of the conspicuous algae, invertebrate and lichen species Fischer-Piette looked for along the coast of:

- France 115 stations and 89 species;
- Northern Spain and Portugal 107 stations and 70 species;

Collection of a **new biodiversity** dataset by **revisiting** the same sites 70 years later (~80 species at 50 sites)















