

Agrupamento de Escolas Anselmo de Andrade



SARDINES IN THE PORTUGUESE CULTURE

CATARINA CUNHA N.6 E TATIANA PINHEIRO N. 23

SUBJECTS: GEOGRAPHY / ENGLISH

CONNECTING SEAS

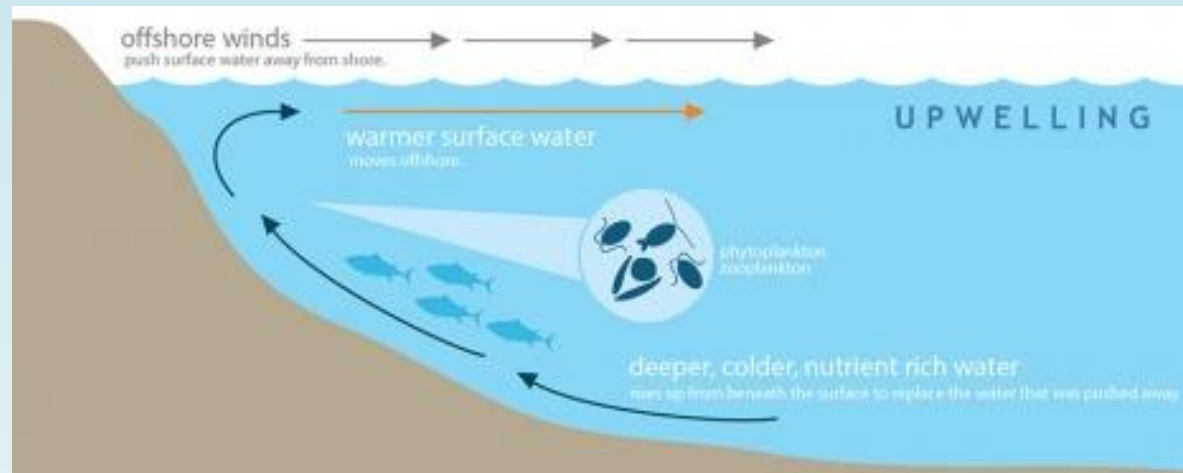
Erasmus+ KA229 School Exchange Partnership

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Upwelling

- Upwelling is an oceanographic phenomenon induced by the wind, which is extremely relevant for fishing.
- To replace surface water, cold and nutrient-rich water rise from the bottom of the sea.
- 25% of global fishing happens where there is “upwelling”
- The sardine lives in a column in water, which is the space between the surface and the bottom of the sea
- Sardines have a lifetime of 6 years.
- Their reproduction occurs between October and April, and in the remaining months sardines feed themselves.



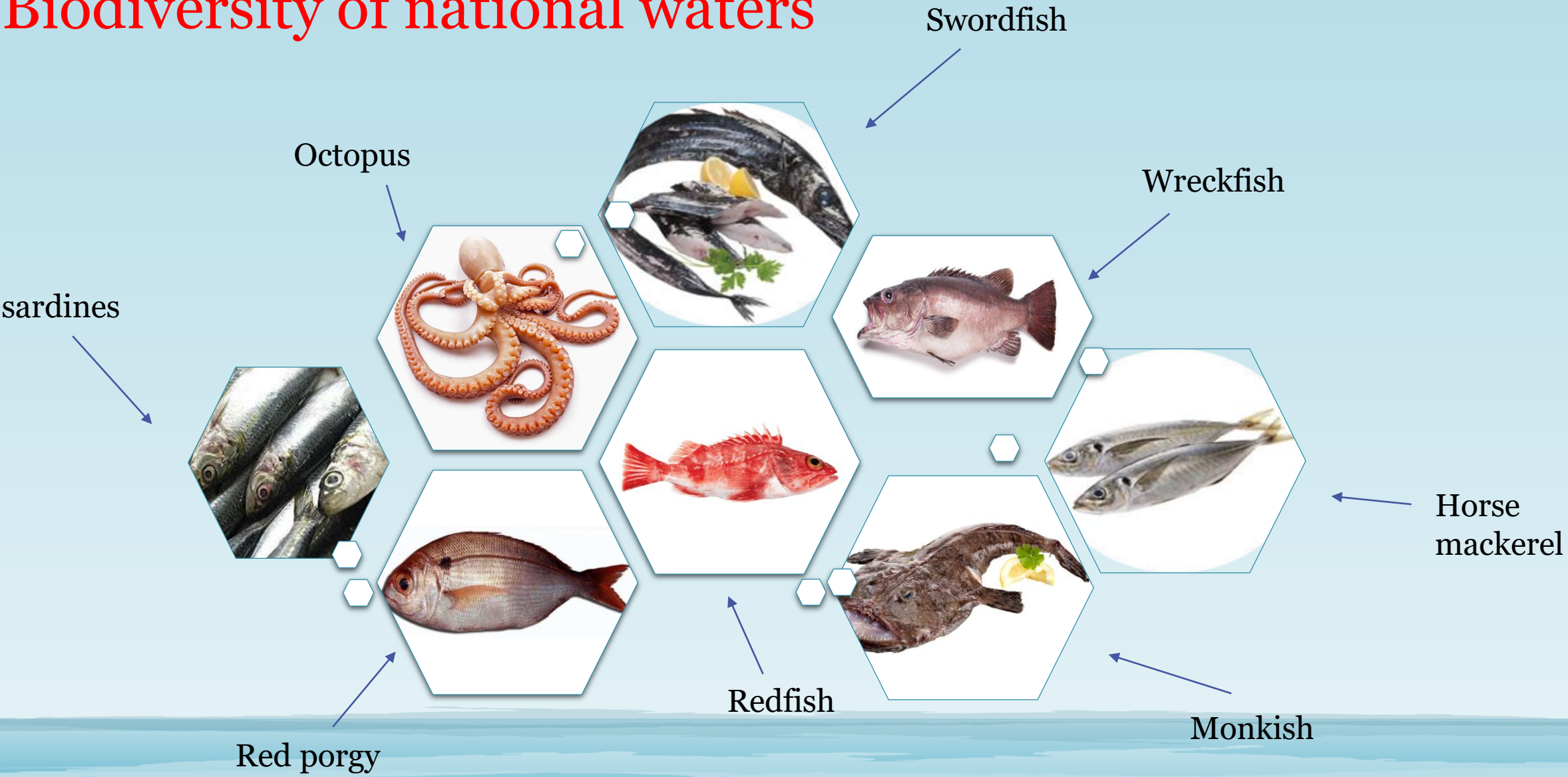


“The sardine is the fish that represents what Portugal has to offer, the joy, the popular festivities”

"Fishing is very important in the national context. We are one of the biggest 'per capita' consumers of fish, the Portuguese love it"

"The reduction of its capture has allowed the renewal of species and greater biological wealth."

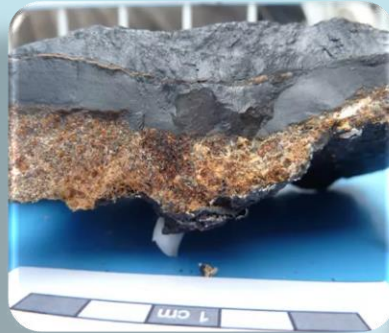
Biodiversity of national waters



Ocean floor resources



Crusts of Fe-Mn
rich in Co

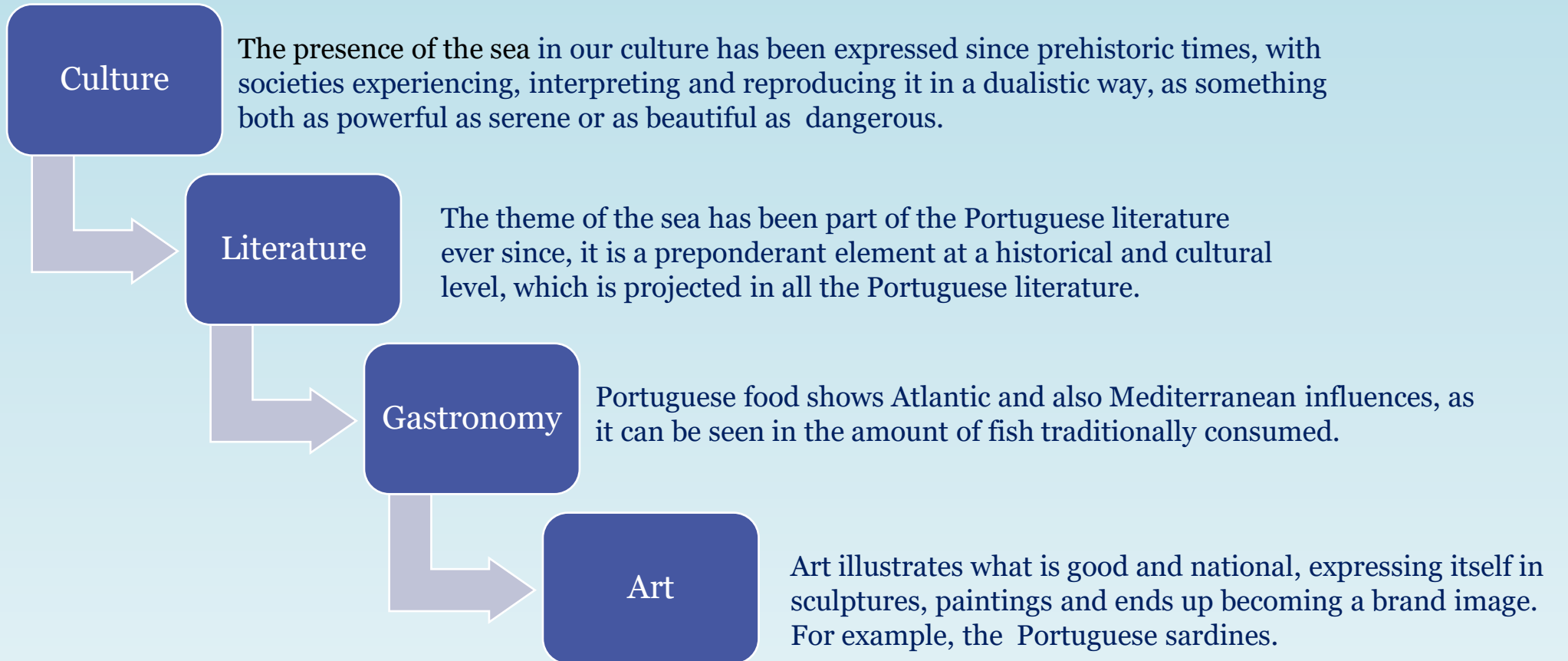


Crust sample
from Fe-Mn



Living resource

Influence of the sea in...



Webgraphy:

- <https://www.visitportugal.com/pt-pt/experiencias/arte-e-cultura>
- <https://novacidania.pt/pt/content/view/1302>
- [https://pt.wikipedia.org/wiki/Gastronomia de Portugal](https://pt.wikipedia.org/wiki/Gastronomia_de_Portugal)
- <https://pt.slideshare.net/becastanheiradepera/o-mar-na-literatura-port>
- [https://pt.wikipedia.org/wiki/Mar na cultura](https://pt.wikipedia.org/wiki/Mar_na_cultura)
- <https://tvi24.iol.pt/politica/governo/pesca-e-muito-importante-para-uma-economia-estavel-e-regular>
- <http://www.snimar.pt/index.php?page=2&menu=4&sub=49>
- <https://www.emepc.pt/recursos-marinhos>
- <https://pt.slideshare.net/martapereiraaa/recursos-marinhos>