



## CONNECTING SEAS

### Romania 29<sup>th</sup> October 2019

#### Lesson Plan Nº1

**Topic:** Diversity of the Portuguese Sea Life

**Responsible Staff:** the Portuguese Team

**Target audience:** a class of secondary grade; teachers of the project

#### Lesson Objectives:

- Get to know the constitution of the Portuguese territory, mainly concerning the area that the sea occupies in the whole territory;
- Get to know the Portuguese maritime boundaries according to the Law of the Seas; the EEZ;
- Understand how the characteristics of the Portuguese continental shelf and the phenomenon of upwelling contribute to its high biodiversity;
- Get to know “The Action Plan for a Maritime Strategy in the Atlantic Area”;
- Get to know some of the Biodiversity in national waters: fishery and marine resources as well as resources from the ocean bottom;
- Get to know the importance of sardines in the economy of the sea in Portugal;
- Get to know and understand the influence of the sea in the Portuguese culture, literature, gastronomy and art;
- Use and value new technologies in the deepening of scientific and cultural knowledge.

#### Lesson Structure:

Time	Introduction of Topic	Teaching Approaches
45-50 minutes	<p><b>“Portugal is Sea”</b></p> <p><b>A</b> – Constitution of the national territory; description of the Portuguese maritime boundary (the continental shelf, the upwelling, Exclusive Economic Zone - EEZ, The Law on the Seas and The Action Plan for a Maritime Strategy in the Atlantic Area).</p> <p><b>B</b> – Biodiversity in national waters: fishery and marine resources as well as resources from the ocean bottom.</p> <p><b>Study case: The sardine</b></p>	<p>PPT</p> <p>Videos</p> <p>Interaction teacher/ students</p>

Time	Main Contents	Teaching Approaches
	<p><b>Scientific area:</b></p> <p><b>A:</b></p> <ul style="list-style-type: none"> <li>- Constitution of the Portuguese territory; description of the Portuguese maritime boundary; United Nations Convention on The Law of the Sea (UNCLOS);</li> <li>- The Portuguese continental shelf; the Exclusive Economic Zone - EEZ; The Portuguese Task Group for the Extension of the Continental Shelf (EMEPC) and The Action Plan for a Maritime Strategy in the Atlantic Area)</li> </ul> <p><b>B:</b></p> <ul style="list-style-type: none"> <li>- Biodiversity in national waters: fishery and marine resources as well as resources from the ocean bottom (The Portuguese Task Group for the Extension of the Continental Shelf;</li> <li>- The upwelling; the Azores anticyclone; the “nortada” (north coastal winds in summer and the sea currents;</li> <li>- Portuguese living marine resources; the sardine.</li> <li>- The “Plan for a Maritime Strategy in the Atlantic Area”.</li> </ul> <p><b>Cultural heritage:</b></p> <p><b>C:</b> The Ocean in Portuguese Literature</p> <ul style="list-style-type: none"> <li>- “The Lusiads” the Portuguese National Epic by Luís de Camões; and the “Message” by Fernando Pessoa. <b>SG2</b></li> </ul> <p><b>D:</b> The Ocean in Portuguese Folk culture and traditions</p> <ul style="list-style-type: none"> <li>- The sardines in the Portuguese culture. <b>SG3</b></li> </ul>	<p><b>SG1</b> – Content workpaper</p> <p><b>(SG)</b> Students’ Work Guidelines</p> <p>Practical activities, information research</p>

Time	Practical activities	Teaching Approaches
<p><b>50 minutes</b></p>	<ul style="list-style-type: none"> <li>- constitution of <b>3 working groups of 5 students each</b>;</li> <li>- each group will work on <b>one of the 3 work guidelines</b>;</li> <li>- research and collection of information;</li> </ul> <p><b>SG1 – Content workpaper (scientific area)</b></p> <p>Ocean Governance: Who Owns the Ocean?</p> <p>The rights/competences and obligations of a coastal state over its maritime territory; identification of the maritime zones and their limits; Continental Shelf; the Upwelling.</p>	<p>Guidelines for the students’ activities</p> <p>Clarification of questions</p>

**Conclusion:** sharing and discussion of results with the group class

In the **final 20 minutes** the 3 groups will energize the lesson through the sharing and discussion of results with the group class.

**Resources:** computers, overhead projector, speakers.

**Prepared by:** the Portuguese team

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