

# THREATS TO THE OCEAN

What are the key threats to ocean health and how can we help to reduce these threats.

**BE  
THE  
WAVE**

MARINE  
CONSERVATION  
SOCIETY



cadwch keep  
gymru'n wales  
daclus tidy



# Lesson Objectives

- Explain the key threats to the ocean and how these have environmental, economic and social consequences.
- Identify how stakeholders can work collaboratively to achieve ecosystem based management.
- Construct arguments for and against marine protected areas in the ocean through the views of a key stakeholder.





# WHY IS THE OCEAN IMPORTANT?

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WAVE**

# WHAT DID THE OCEAN EVER DO FOR US?





# WHAT ARE THE KEY THREATS TO THE OCEAN?

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# MARINE LITTER



# CHEMICAL POLLUTION





# CLIMATE CHANGE – Extreme weather



© Tiniteqilaq, Greenland © Jean-Christophe Andrévia Pexels





# CLIMATE CHANGE – Extreme weather





# OVERFISHING



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# TRAFFICKING OF SPECIES



# OIL & GAS



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# CONSTRUCTION & DREDGING





# RECREATION



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# SHIPPING



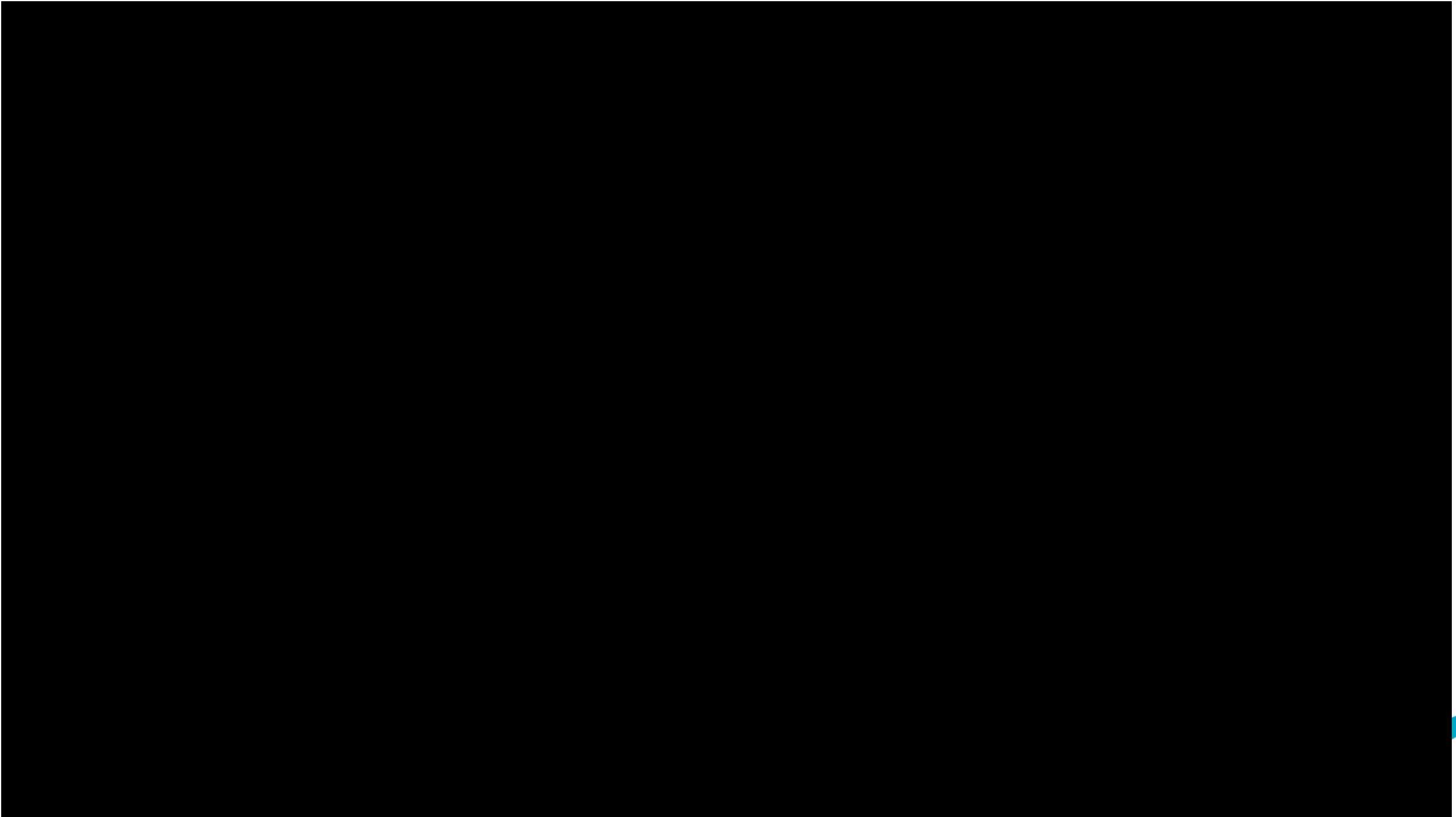
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# ECOSYSTEM BASED MANAGEMENT

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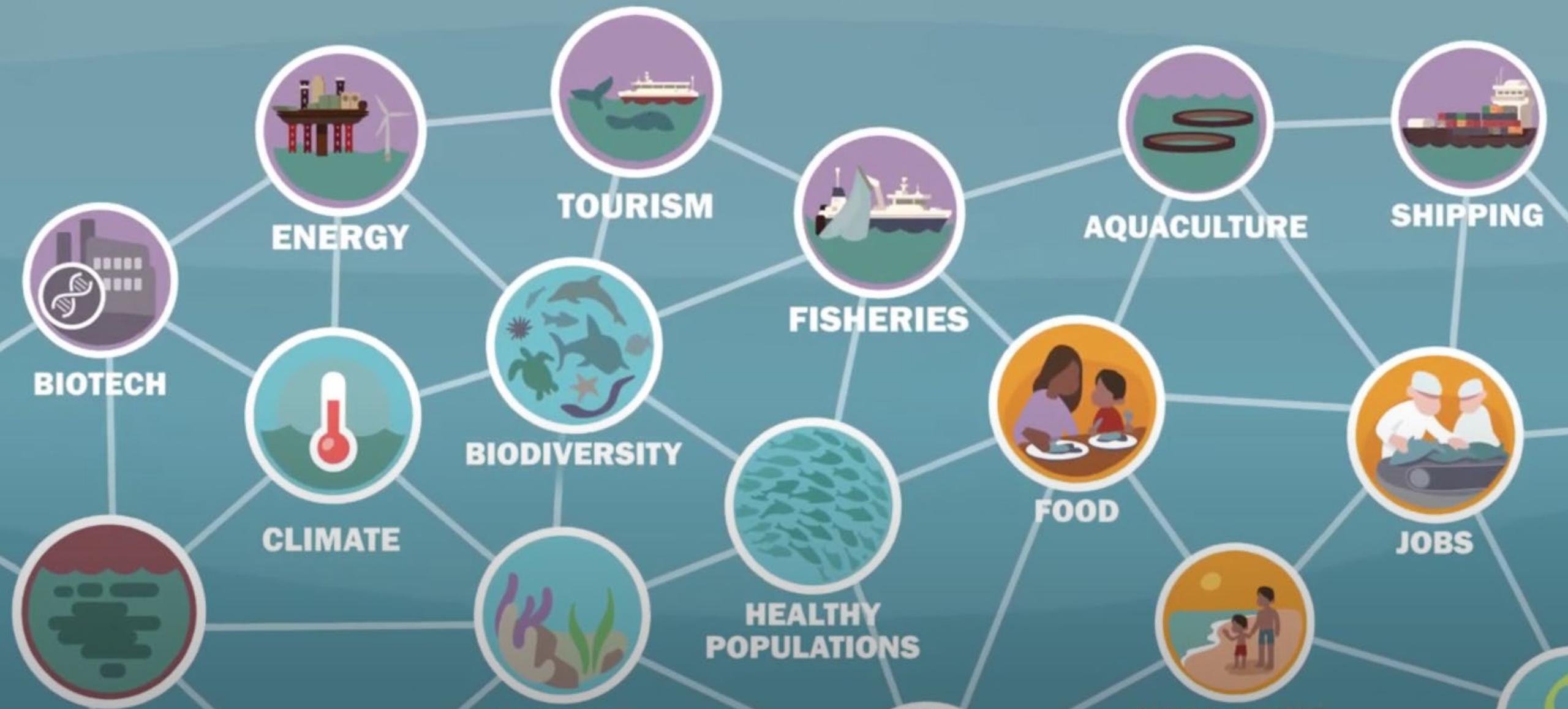




# What is a stakeholder?



# ECOSYSTEM-BASED MANAGEMENT



Who can you collaboratively work with to reduce risk?

How could you reduce this risk?

What is the affect on the marine environment?

**Stakeholder**

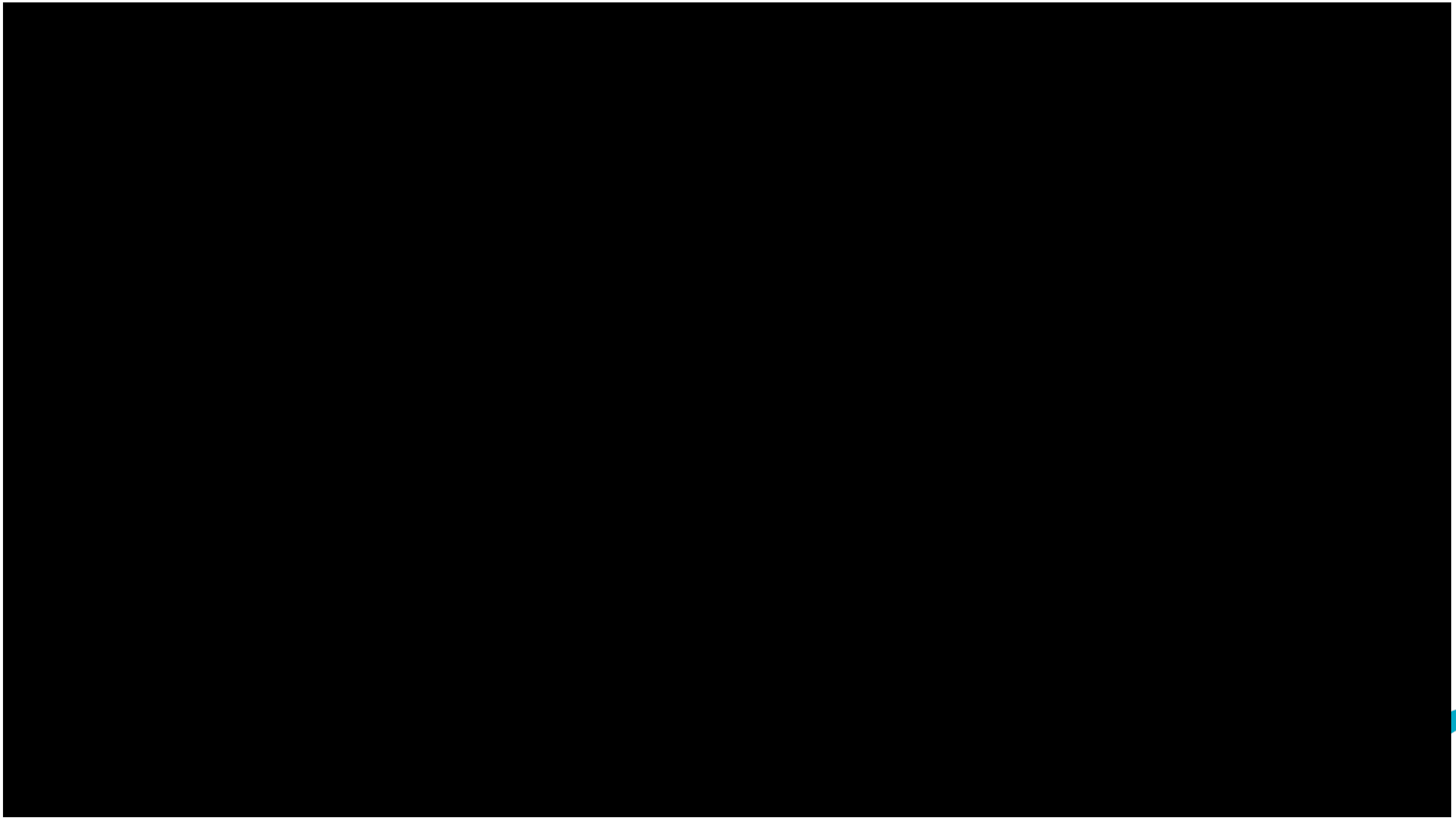






# MARINE PROTECTED AREAS

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# #BeTheWave

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**MARINE  
CONSERVATION  
SOCIETY**



UNDEB EWROPEAIDD  
EUROPEAN UNION



Llywodraeth Cymru  
Welsh Government

**Cronfeydd Strwythurol a  
Buddosoddi Ewropeaidd**  
European Structural  
and Investment Funds



## SCHOOL

- Improve ocean literacy within your school by introducing ocean topics into PSHE, geography, science, history, art, design technology, English and drama.
- Does your school have a green/eco club? It is a great way to help students learn more about our incredible natural environment including diversity within your school grounds and further afield. Your group could dedicate a term to explore the underwater world in Wales.
- If your school is near the coast why not take your students out for a day trip to the beach. It could be linked to the curriculum or as part of an experience day. If you want a helping hand the Marine Conservation Society offer free seashore safaris for school groups.







## INDIVIDUAL

- Inspire your friends and family by sharing with them what you've learnt about the incredible diversity of habitats and species in coastal waters around Wales.
- The sea and coastline around Wales is fantastic. The best way to learn more about it and to stay inspired is to get out there and enjoy it.
- If you live near the coast there's several citizen science projects you can get involved with, to help record the diversity on the coast contributing to important science.
  - Record seaweed diversity on the shore to help us understand how this is changing over time: <https://www.mcsuk.org/what-you-can-do/volunteering/big-seaweed-search/>
  - Report any sightings of jellyfish and turtles: - <https://www.mcsuk.org/sightings/>
  - Record quantity and variety of shark egg cases: - <https://www.sharktrust.org/great-eggcase-hunt>

