



Climate change and its impact

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- What is climate change? What factors cause it?

- . What repercussions does this phenomenon have for the sea and marine life?And for the Posidonia meadows?

- Why scientifics say that Posidonia meadows help reduce climate change just like terrestrial forests?



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What is climate change?

Climate change means a changing climate which is a tribute directly or indirectly to human activities that alter the composition of the global atmosphere, which is in addition to natural climate variability observed over comparable periods of time.

What factors cause it?

The causes of climate change are the use of fossil fuels (coal, oil and gas), which generate a high quantity of climate-altering gases. The main causes of the problem are:

- logging
- energy production
- agricultural activities
- buildings
- lifestyles

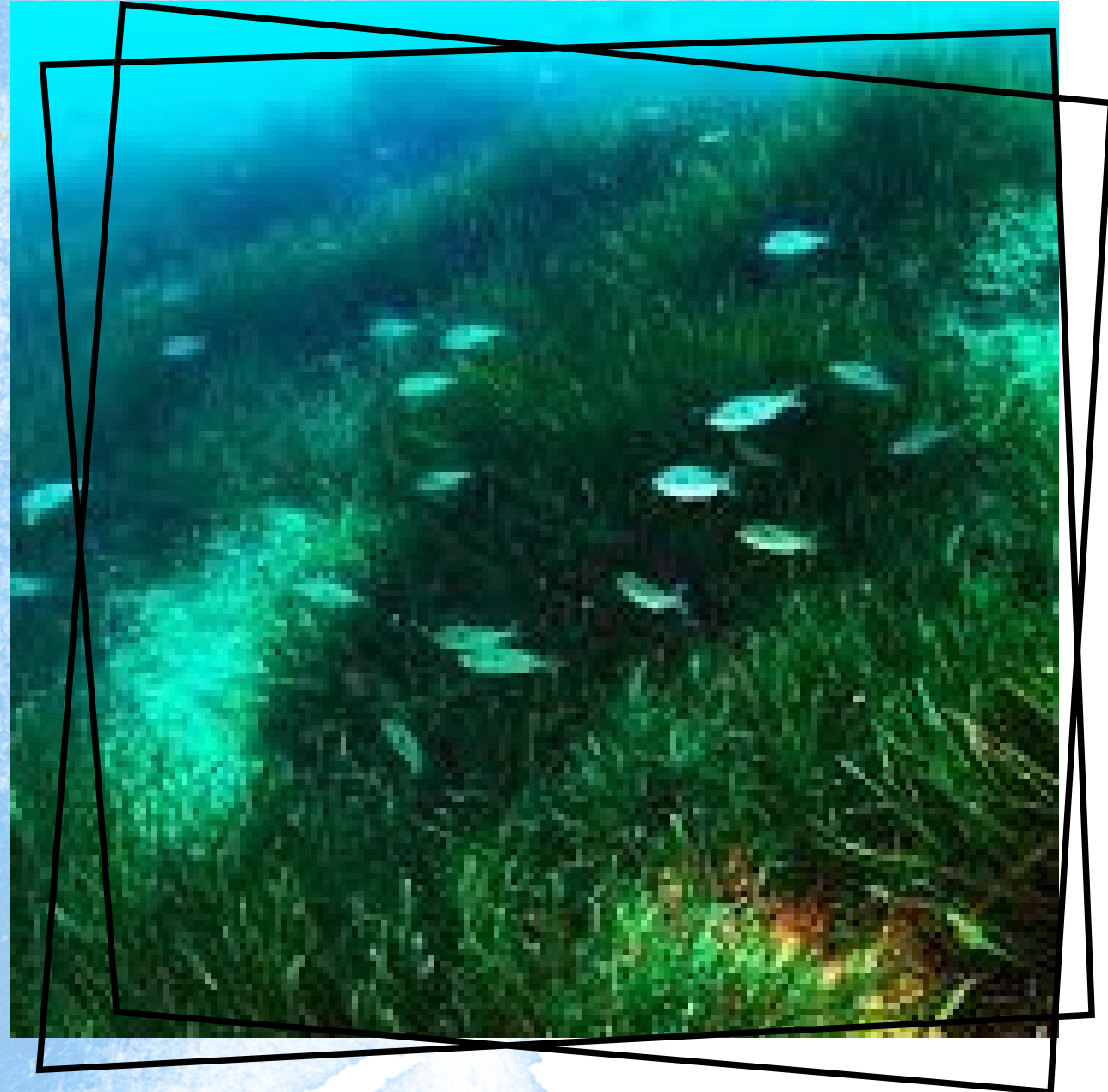
What repercussions does this phenomenon have for the sea and marine life?

The consequences are: melting glaciers ,raising sea level,ocean warming,marine heatwaves,ocean acidification ,ocean deoxygenation ,ocean eutrophication ,plastic pollution.

And for the posidonia meadows?

A primary effect of increased global temperature on seagrasses will be the alteration of growth rates and other physiological functions of the plants themselves. The distribution of seagrasses will shift as a result of increased temperature stress and changes in the patterns of sexual reproduction.





- Why scientifics say that Posidonia meadows help reduce climate change just like terrestrial forests?

Posidonia plays a fundamental role in the production of oxygen. In fact, thanks to its leaf development it releases up to 20 L of oxygen per day for every m² of prairie in to the enviroment. Produces and exports biomass botn in neighboring ecosystems and in depth.

Thank you!