

The image features a green background. On the left, a hand is formed from various green leaves and stems, with a small blue flower. On the right, a human hand in a dark suit sleeve reaches out towards the leaf hand. In the center, the text 'STOP CO2' is written in large, bold, black letters, with 'THE PLANET IS ONLY ONE!' in smaller black letters below it.

STOP CO2

THE PLANET IS ONLY ONE!

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What is climate change? What factors cause it?

"Climate change" refers to long-term changes in temperatures and weather patterns

Climate change is caused by: energy production, product manufacturing, deforestation, use of transportation, food production and overconsumption



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



In the last decades, since the 50s, the *Posidonia oceanica* meadows have undergone a considerable regression, in some cases equal to 90% of its original extension. Climate change causes seawater to rise, acidify and warm up. the warming of the waters causes the migrations of the fish that move towards the north

Why do scientists say that Posidonia meadows help reduce climate change just like terrestrial forests?

Because...

- Posidonia meadows reduces CO₂. One hectare of Posidonia is able to capture as much carbon as up to fifteen hectares of Amazon rainforest.
- Also, Posidonia meadows produces oxygen. One square meter of it leaves provides about ten liters of oxygen a day. And part of this oxygen passes into the atmosphere.

