



Spatial Representation of Climate-Driven Changes in Oceanic Environments

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ABSTRACT

This study rigorously investigates the impacts of climate change on oceanic systems. Through meticulous mapping and analysis, it examines multifaceted climate-induced shifts, including alterations in temperature, dissolved oxygen, and pH. Utilizing advanced cartography, it visually depicts these changes, revealing their uneven distribution across oceanic regions. By scrutinizing historical trends and projecting future scenarios, the research unveils complex interactions between climatic variations and marine ecosystems. These findings enhance understanding of environmental challenges posed by climate change, emphasizing informed decision-making and adaptive strategies to protect oceans amidst evolving global climate patterns.

Keywords: climate change, space surveillance, marine ecosystems