

# Coral reefs are severely bleached without the impact of El Nino

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In a study of 100 coral reefs in the world, it was reported that corals would have a bleaching event every six years, from every 27 years in the 1980s, when bleaching events began. observed.

According to reports, with the ability of human activity to cause an increase in sea temperature, coral reefs can be bleached every hot summer in the coming decades.



The co-author of the study, Andrew Baird, said: *"Scientists have said in the next 30 to 40 years that annual bleaching events can be a serious possibility unless we solve the problem. climate change ' .*

Coral reefs are being damaged by increasing rates and even safe areas are at risk of being destroyed by the middle of the century. Bleaching is a problem because, although it does not cause immediate death, it puts corals at risk of dying gradually and more. Coral bleaching depends on stress factors caused by factors such as high water temperature. Without algae to provide corals with bright colors, corals turn a magical white and start

dying. Coral said it took 10 to 15 years to fully recover the bleaching situation, the report said.

The report says that heating temperatures of 1.5 or 2 degrees Celsius due to pre-industrial conditions will certainly contribute to the decline of coral reefs of the world. Research by 25 researchers, led by Terry Hughes from the Australian Research Council's Coral Reef Research Center, found that 31% of coral reefs tested were at risk of bleaching in 2016 compared to only 4% in the 1980s. In the past, coral bleaching occurred when the wind heated up and conditions when the El Nino weather heated the surface of the sea. Now, coral reefs are still bleached even when there is no wind, global temperatures increase rapidly without the presence of El Nino anymore.

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