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## **Oceans Are Soaking Up Less CO<sub>2</sub>, Research Shows**

**LONDON** - The world's oceans appear to be soaking up less carbon dioxide, new environmental research has shown, a development that could speed up global warming.

A 10-year study by researchers from the University of East Anglia has shown that the uptake of CO<sub>2</sub> by the North Atlantic ocean halved between the mid-1990s and 2002-2005.

"Such large changes are a tremendous surprise," said Dr Ute Schuster, who will publish the findings with professor Andrew Watson in the *Journal of Geophysical Research* next month.

"We expected that the uptake would change only slowly because of the ocean's great mass."

There is also evidence of a slowdown in the uptake of CO<sub>2</sub> by the Southern ocean, although it is not as great or as sudden as in the North Atlantic.

The scientists based their findings on data collected by merchant ships fitted out with equipment to automatically measure the levels of carbon dioxide in the water.

One ship that sailed between Britain and the West Indies made more than 90,000 measurements in recent years.

The oceans are one of two major carbon "sinks" for CO<sub>2</sub> emissions, the other being the land biosphere, which together absorb about half of all CO<sub>2</sub> emitted into the atmosphere.

If the oceans soak up less CO<sub>2</sub>, it means CO<sub>2</sub> levels in the atmosphere will rise much faster and the climate could warm more rapidly, the researchers said in a statement.

"The speed and size of the change show that we cannot take for granted the ocean sink for the carbon dioxide," said Watson.

"Perhaps this is partly a natural oscillation or perhaps it is a response to the recent rapid climate warming. In either case we now know that the sink can change quickly and we need to continue to monitor the ocean uptake."