

Science warns: Sea levels may rise more than three meters in the future

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A study conducted by a University of Southampton scientist said the global sea level could be more than 3 meters tall, more than half a meter above previous observations in this century alone.

A group of international scientists including Sybren Drijfhout, Ocean Physics Professor and Climate Physics have looked at what might happen if **carbon dioxide emissions** continue to decline globally. By using new predictions of ice melt loss in Antarctica and overall statistical methods, the worst scenario is that by 2100, sea level will rise from 2.5 to more than 3m. .



Professor Drijfhout said: *"This may be an unlikely situation, but we do not rule out the possibility that the global sea level will increase by more than 3 meters by 2100."*

Global warming will be unabated, which will cause sea levels to rise several meters even 10 meters in the next few centuries, which can be a serious threat in many cities around the world especially in the copper equal. This will also seriously affect the coast of England.

This study has just been published in the Oceanic and Atmospheric Administration (NOAA) Environmental Research Report on sea level rise.

However, this new study has been done combining different estimation models with a new statistical method, while NOAA estimates depend on subjective assessment of experts at 2.5 meter is standard.

At present, climate change models show that ice melting in Antarctica is growing faster and sea level rise is likely to occur.

Professor Drijfhout and scientists from the Royal Dutch Meteorological Institute have pointed out that other conditions related to this issue include warming of the ocean, melting ice, storing water and ice Greenland ice fast.

Professor Drijfhout said: *"This is the first time that the statistical techniques used for development give us a scenario like this, while the previous sea level forecasts are always based on subjective professional judgment of experts"*.



'It is important for policy makers and the public to know the possible consequences when CO2 emissions are not reduced, especially when there is a time delay between emissions reductions and sea level. offering'.

In addition, it is necessary to think about the construction of an artificial flood control system, taking into account the minimum probability that flood water can rise. In order to do this, the international community needs specific scientific measures and policies to respond promptly.

The new projections of this research group clearly show three new scientific perspectives on the status of climate change identified, measured in a specific way, more objective details including the rate of melting Antarctic ice, Ocean temperatures rise and greenhouse gas emissions are generated in the 21st century.

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