



There's a glacier in Antarctica so immense that, if it melted, would raise sea levels globally by 3.5 metres.

It's melting. Right now.

"The facts around climate change are undeniable. It's happening," Australian glaciologist Ben Galton-Fenzi told The Huffington Post Australia. "The research we do now isn't about trying to convince ourselves it's real, because it's irrefutable. What we're trying to do is understand what the response time of the system is going to be into the future, so we can adapt to it."

The Totten glacier is the biggest in east Antarctica. The glacier itself is around 120 kilometres long, 30 kilometres wide and drains some 538,000 square kilometres of the continent. That's an area bigger than California. The ice is kilometres thick, but it's melting at 70 metres a year in some spots. A study released in December reported warmer water was melting the Totten ice from below.

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