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Antarctic sea ice scientist wins Future Fellowship grant

A leading Antarctic scientist at the University of Tasmania has been awarded nearly one million dollars from the Australian Research Council's (ARC) Future Fellowship scheme for a four-year research project into a type of sea ice crucial for the Earth's climate.

Dr Alex Fraser specialises in researching landfast ice — frozen seawater attached to the Antarctic coastline or grounded icebergs — with the Australian Antarctic Program Partnership based at the Institute for Marine and Antarctic Studies in Hobart.

His successful ARC Future Fellowship application entitled "*The puzzle of landfast sea ice: how 'fast' ice can control near-term climate impacts*" aims to develop new mapping techniques and include landfast ice in climate models for the first time.

Dr Fraser said the ARC Future Fellowship will enable key research priorities highlighted in a recent major [review](#) to be addressed.

major changes appear to be happening in the Southern Ocean with potential knock-on effects globally," Professor Koutoulis said.

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