



ECOLOGICAL MODELS ARE COMBINING INFORMATION ABOUT PHYSICAL OCEANOGRAPHY WITH FOOD-WEB (BIOLOGICAL) MODELS TO HELP UNDERSTAND & PREDICT THE EFFECT OF CLIMATE CHANGE ON SOUTHERN OCEAN ECOSYSTEMS.

- Dr Jessica Melbourne Thomas



MATHS FOR ECOSYSTEMS

MATHS TAKES YOU PLACES...  **ANTARCTICA**

Coral reef ecosystem models developed by recent graduate of the CSIRO-UTAS PhD Program in Quantitative Marine Science (QMS), Dr Jessica Melbourne Thomas, have been used in research and management in Mexico, the Philippines, the United States and Hawaii.

Jess is now working at the Australian Antarctic Division designing ecological models to help understand and predict the effect of climate change on Southern Ocean ecosystems.

The CSIRO-UTAS PhD Program in Quantitative Marine Science (QMS) is offered through the University of Tasmania's specialist Institute for Marine and Antarctic Studies and CSIRO Marine and Atmospheric Research.

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