

Integrating Climate and Ecosystem Dynamics (ICED) in the Southern Ocean programme and its role within IMBeR

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Abstract

This presentation summarises the structure of the Integrating Climate and Ecosystem Dynamics (ICED) in the Southern Ocean programme, its vision and three research goals which align with IMBeR. It also highlights 3 of our most recent activities addressing these challenges (Marine Ecosystem Assessment for the Southern Ocean, Antarctic krill modelling, the UN Ocean Decade and the 5th IPY). It closes with a summary of our future directions and input to the final IMBeR synthesis phase.

Biography

- <https://www.thecavanlab.com/>

Emma is a Senior Lecturer at Imperial College London based in the Department of Life Sciences at [Silwood Park](#). Her expertise lie with carbon cycling by marine life, specifically within the ocean biological carbon pump. She is particularly known for her work on the role of zooplankton, Antarctic krill and their faeces in sinking carbon to the deep ocean. She is also interested in the impacts of fishing on oceanic carbon, and co-chairs an ICES working group/workshop on this subject.