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Employing remotely operated devices to study fish communities in Antarctic waters

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Rationale: Underwater photography is a non-destructive, effective survey method, allowing a fine scale description of benthic fish communities while minimizing the impacts of direct sampling (e.g. trawling)

Background: methodology already used in other Antarctic areas, such as the Amundsen Sea (1), the Weddell Sea (2) and the Antarctic Peninsula (3)

1) J.T. Eastman et al. 2013. Antarctic Science, 25 (1): 31-43.

2) M. La Mesa et al. 2019. Polar Biology, 42 (5): 1025-1040.

3) M. La Mesa et al. 2021. Polar Biology, submitted.

Aims: To investigate species composition, relative abundance, population structure and fish behaviour , hopefully extending the methodology to marine protected areas (Ross Sea)

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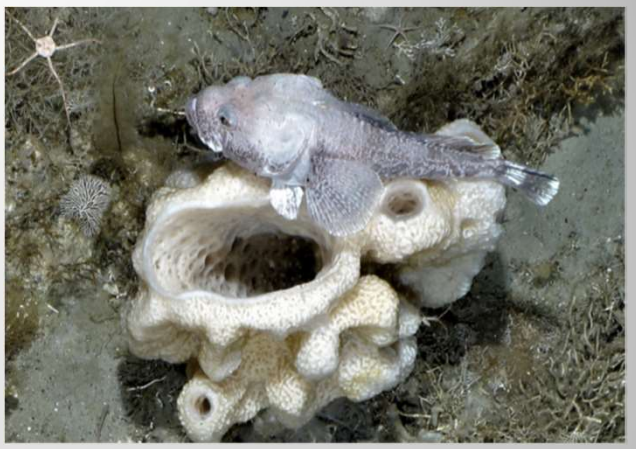

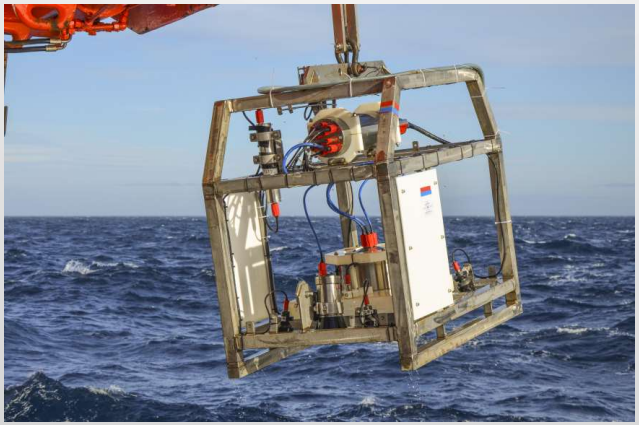

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