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Sea Ice and Westerly winds during the Holocene in coastal Antarctica (SIWHA)

Content

There is currently an important gap in our knowledge of the global carbon cycle and its interaction with climate on decadal to centennial timescales. The international SIWHA project will address this shortfall by producing reconstructions of Southern Hemisphere westerly winds, sea ice and atmospheric CO2 during the Holocene. As part of a tri-national collaboration between the UK, India and Norway, we will drill a ~500 m ice core in coastal Dronning Maud Land, East Antarctica. Geophysical surveys conducted in the 2021/22 season confirm the proposed sites suitability for deep ice core drilling, which will take place in the 2022/23 and 2023/24 seasons.

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