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Date: Thursday 14 November 2019

Time: 19:45 - 21:00

Location:

Email:

northeast@rmets.org ^[3]

SPEAKER | Dr. Robert Mulvany, British Antarctic Survey, Cambridge

ABSTRACT | Our knowledge of the link between climate and greenhouse gases comes from ice cores from the Polar Regions. The ice records climate change through the isotopes of water, while bubbles of air trapped in the ice are archives of the past atmosphere. The 'gold standard' record comes from Concordia Station on the East Antarctic plateau, where the European EPICA project showed the close link between climate and the atmosphere spanning 800,000 years, and eight glacial cycles. The dominant glacial cycle is linked to the ~100,000 year orbital eccentricity, yet marine sediment climate records show that beyond one million

years, the dominant cycle is
the ~41,000 year orbital
obliquity.

This talk will show how we drill
the ice, and learn about the
climate and why we need to
find ice older

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Links

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