

OS13A-04 - Interconnected global deep-sea circulation changes over the past 25,000 years

Using a global compilation of new and published marine proxy measurements of seawater ^{14}C (»300 sites and »2500 new observations; some sites from never-before-reconstructed regions) we examine changes in deep-sea overturning over the past 25,000 years. Among our results, we identify changes in the interconnections between the Atlantic, Southern, and Indo-Pacific Oceans from the LGM to the mid-Holocene—changes that (we argue) are consistent with the glacial storage and deglacial release of CO_2 to the atmosphere via specific pathways.

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AGU Fall Meeting 2021

<https://agu.confex.com/agu/fm21/meetingapp.cgi/Paper/982431>