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Downsizing the pelagic carbonate factory: Impacts of calcareous nannoplankton evolution on carbonate burial over the past 17 million years

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## **Downsizing the pelagic carbonate factory: Impacts of calcareous nanoplankton evolution on carbonate burial over the past 17 million years**

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### **Keywords (up to 6)**

Neogene, DSDP/ODP sites, pelagic carbonate, nannofossil carbonate mass accumulation, macroevolution

### **Highlights**

- 1) Nannofossil burial rates quantified at five DSDP/ODP sites over the past 17 Myrs
- 2) Nanoplankton size decrease impacted global pelagic carbonate burial
- 3) Foraminifera-derived carbonate burial remained stable over the past 17 Myrs
- 4) Decreased long-term carbonate pump strength since the Pliocene?

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