

The fluctuation of terrigenous sediment supply to the East China Sea during the last 40,000years

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Asian monsoon is a typical seasonal change of climate around Asian continent and surrounding sea. In these days, some study shows that the variation of monsoonal change has millennial to centennial fluctuation. And some scientists designate that it may be a trigger of the global climatic change.

For reveal the process of drastic climatic variation, it is necessary to analyze paleo-environment in high-resolution.

In this study, we analyzed grain size distribution and mineral composition of terrigenous sediments using the marine sediment core MD982195 which is form east side of East China Sea. The average sedimentation rate of this core is about 12krs/cm, and we detected the millennial scale changes in the East Asian Sea.