

## Control of the Changjiang incised-valley fill by accelerated and decelerated sea-level rise

# Kazuaki Hori[1], Yoshiaki Saito[2]

[1] JST, [2] MRE, AIST

<http://staff.aist.go.jp/k-hori/>

Evolution of paleo-Changjiang incised-valley fills in relation to the step-like postglacial sea-level rises is presented based on sedimentary facies analyses and  $^{14}\text{C}$  age dating on three sediment cores. Timing of rapid transgressions deduced from the succession of incised-valley fills correlate well with Barbados's very rapid sea-level rise periods. In contrast, estuarine deposits aggraded actively, and coastline did not retreat markedly during the Younger Dryas (YD) cooling event when rising rate decelerated considerably relative to stages before and after the YD.