

Environmental changes during Neoproterozoic and the emergence of metazoa

Shin-ichi Kawakami [1], Terufumi Ohno [2]

[1] Fac. Educ. Gifu Univ., [2] The Kyoto Univ. Museum

The end of the Neoproterozoic era coincides with the dawn of metazoa. During the period, the earth experienced one of its most severe environmental changes, including the formation and break up of the supercontinent Rodinia as well as strong climatic fluctuations with glaciations, and increase in supply of the terrigenous materials to the ocean from orogenic belts associated by the formation of Gondwana. We examined the idea connecting these environmental changes with the evolution of metazoa. We consider that the speeds of recovery from the Neoproterozoic glaciations are one of the most important keys, and are now examining the Namibian cap carbonate to evaluate it.