

Construction of Database for the Analysis of Paleo-Climate

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Past climate can be estimated numerically by recent developments of computers and climate models. However, there is no database which covers global range through Phanerozoic and provides us with sound boundary conditions or initial conditions for numerical simulations. Thus, we make a database named Database for the Analysis of Paleo-Climate (DAPC) to gather global distribution of the fossil information. In our database, we collect fossil information for the paleo-altitude, because paleo-altitude is one of the most important data for numerical simulation.

For the estimation of the paleo-altitude, the evidences of the ice, evaporite and plants are collected. This database shows the locations of the mountains during the Phanerozoic.