



## **Two distinct Intervals of CO<sub>2</sub> – Climate Relationship**

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Measurements of carbon dioxide concentrations on the lowest 200 meters of the EPICA Dome C ice core extend the already existing Vostok and Dome C record by another two glacial cycles back to 805,000 years before present. The atmospheric CO<sub>2</sub> concentration always lagged the Antarctic temperature by a few hundred to a few thousand years with a rather strong coupling throughout the eight and a half glacial cycles, but with significantly lower CO<sub>2</sub> values before 650,000 years before present.