

# **Magnetic Susceptibility: An Essential Tool for Paleoclimate Climate Studies**

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## **Introduction**

Magnetic susceptibility is now widely used at Lamont in studies that involve paleoclimate. Over 10 different investigators and students use this tool. If a third susceptibility meter were available, susceptibility could be even more widely applied by the LDEO climate community. The meter would also allow individual investigators to go into the field and to use the meter as a survey tool in climate studies. In addition, the second meter at LDEO, which belongs to George Kukla, is over 10 years old. The dial is becoming hard to read in the lab. In bright sunlight, under field conditions, the chances of measurement error will multiply. For these reasons, we believe that a third magnetic susceptibility meter would be a valuable contribution to climate studies at LDEO.