



EINLADUNG
zum
VERA-SEMINAR
von

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**The Bosumtwi (Ghana) drilling project:
Meteorite impact crater and paleoclimate archive**

The 1 million year old Bosumtwi crater in Ghana, West Africa, is a very well preserved complex impact structure of ca. 10.5 km diameter, which is almost completely filled by a lake. The crater is the source of the Ivory Coast tektites, of which a Be-10 study provided important data on the link with Bosumtwi. Because of its importance for impact geology and paleoclimatology, Bosumtwi was recently the subject of an interdisciplinary and international drilling effort of the International Continental Scientific Drilling Program (ICDP). In total, 16 different cores were drilled at six locations within the lake, to a maximum depth of 540 m. The lake sediments contain a very detailed paleoclimatic record. The impactite cores helped to change many ideas about the internal structure of such impact craters.

Donnerstag, 15. Oktober 2009, 11 Uhr c.t.

**1090 Wien, Währinger Str. 17, "Kavalierstrakt",
1. Stock, Victor-Franz-Hess-Hörsaal**