



Magnetotellurics along the Austro-Hungarian CELEBRATION-7 profile

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In 2003, 72 magnetotelluric soundings were measured along the Hungarian section (of a length of 140 km) of the CELEBRATION-7 deep seismic refraction profile. In 2006, 36 further soundings were carried out along the southern half of the Austrian section (120 km) of the same profile. In the poster all the MT results along the 260 km long profile are shown, together with some related parallel profiles. Both traditional 2D inversion results and various magnetotelluric images (first of all tensor invariants, among others phase tensor invariants) are presented. Characteristic high-conductivity anomalies provide a wide possibility for the interpretation. Instead of any interpretation we show merely the geophysical (magnetotelluric) images. The geological interpretation is open for discussion. Acknowledgements: IGCP 474 DIMS (Austrian Academy of Sciences), MT pool of GFZ Potsdam, NI 61013 (Hungarian National Research Found)