Geophysical Research Abstracts, Vol. 8, 07233, 2006
SRef-ID: 1607-7962/gra/EGU06-A-07233

Passive seismic monitoring experiment in the DInarides-Pannonian Section-ALPASS-DIPS

E. Hegedus(1), E. Brueckl, Z. Hajnal, F. Sumanovac, G. Houseman, G. Stuart, R. Keller, R. Csabafi, A. Kovacs, J. Oreskovic, I. Torok, R. Boda, U. Mitterbauer, M. Grad, A. Guterch, K. Komminaho, E. Kozlovskaya, T. Tiira

(1)Eotvos Lorand Geophysical Institute, hegedus@elgi.hu

The CELEBRATION 2000 and ALP 2002 wide-angle refraction and reflection experiments covered the Eastern Alps, Dinarides and Pannonian area with several profiles.The data provided the shape of the Moho and details of the crustal structure.

In the frame of the ALPASS program 80 passive seismic recording stations have been deployed for the period of May 2005 and May 2006. Further 15 stations have extended this grid along Alp 07 profile connecting the Adriatic region (Istria) and West Pannonia for two years period.

Data will be evaluated together with the contemporary Carpathian Basins Project by receiver function analysis, teleseismic P-wave and surface tomography.

In order to enhance the accuracy of the above methods, a detailed P-wave velocity model of the crust derived from the previous active source experiments will be utilized. Samples of data and preliminary results will be presented.