



## Assembling geophysical datasets from Austria

Patrick Arneitz, Andreas Gerner, Bruno Meurers, and Götz Bokelmann

University of Vienna, Department of Meteorology and Geophysics, Austria (patrick.arneitz@univie.ac.at)

Geophysical data have been collected in and around Austria for more than 150 years, responding to societal needs ranging from navigation, subsurface exploration, natural hazards, to basic research. Great value lies in these data, both in a financial as well as an intellectual sense. It is therefore of high interest to collect such information to a degree as complete as possible, and to safeguard it. Nevertheless, efforts for safeguarding have been sketchy in the past, and some of the data appear nowadays difficult to fully recover.

We present here some of the more easily accessible information, about magnetic and gravity field anomalies, tomographic models, seismicity, and we present them together with a current (imperfect) view of subsurface faults in Austria, and an estimate of peak ground acceleration.

The graphic representations are intended to allow comparison of gravimetric, magnetic and seismological data on a qualitative basis. This can serve as a basis for judging needs for further campaigns and comparison with geologic results.