



The German Task Force for Earthquakes - A temporary network aftershock monitoring

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The German Task Force for Earthquakes (GTF) is an interdisciplinary group for immediate response on disastrous earthquakes with the aim to monitor the post-seismic processes and assess the impact of the seismic event on the disaster stricken area. For accomplishing this task, 20 short-period seismic stations for aftershock monitoring; and 10 strong motion instruments for purposes in engineering seismology are available exclusively for the use of the GTF. Furthermore, the GTF is equipped with tools for hydro-geological investigations and has 6 GPS instruments at hand for studying post-seismic deformation. Geological, sociological and remote sensing expertise is provided by a number of scientists at the GFZ or other national and international universities and organisations. We would like to present a variety of results achieved in 20 missions we were able to conduct up to date. This will give an overview on the scientific opportunities which lie in collecting and investigating high resolution local earthquake data. In future, online data transmission is envisaged to allow for aftershock hazard assessment to benefit the work of rescue teams and local authorities in the area concerned. In general, decision making in the beginning of a Task Force activity requires a system of fast dissemination of earthquake information which in our case, is provided by GEOFON.