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NERA – THE TRANSNATIONAL ACCESS TO INFRASTRUCTURES

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The European Commission, through the EC FP7 project NERA (**N**etwork of **E**uropean **R**esearch Infrastructures for Earthquake Risk **A**ssessment and Migitation), supported grants for transnational access (TA) to European seismological centres and infrastructures for short periods of research visits and joint technical developments. The four selected infrastructures involve specific scientific and technical facilities, each providing adequate scientific, technical and logistic support to external users:

TA1: KOERI (Turkey) operates the Istanbul Earthquake Rapid Response System and the Suspension Bridge Monitoring System (http://www.koeri.boun.edu.tr/depremmuh/nera.html).

TA2 NIEP (Romania) operates one of the unique facilities in the world for intermediate-depth earthquake Early Warning, the Bucharest Rapid Early Warning System (BREWS). Based on a local network in the Vrancea epicentral area and on a dense strong-motion network installed in the wider Bucharest area, the BREWS allows a quick estimation of earthquake magnitudes that enables the generation of rapid shakemaps and seismic risk management for the city of Bucharest (www.infp.ro/news/nera-project).

TA3 AMRA (Italy) operates an advanced earthquake monitoring infrastructure for Early Warning in southern Italy. It makes available online access to high-quality seismological data and facilities to work on various aspects of seismic instrumentation, real-time seismology and earthquake source modeling. (www.rissclab.unina.it/content/view/714/304/lang,en/).

TA4 NORSAR (Norway) is the premier seismological array facility in Europe, operates four seismic arrays, and is a leader in research on array seismology, automatic online data processing, seismic hazard, earthquake engineering and engineering seismology. (www.norsar.no/seismology/Projects/NERA/)

The talk will present an overview over how the TA visiting program had been organized, and the achieved results of the different research visits at the four TA institutions.

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