The SSE-EU programme for Educational Seismology

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South Eastern Europe and Turkey exhibit the highest seismicity in the Mediterranean Basin and the North Anatolian Fault System. For this reason a consortium of schools from 5 countries have recently developed the "Students Study Earthquakes" (SSE) project, under the European Union-Erasmus framework.

The established SSE network of schools in South Eastern Europe and Turkey, monitor and study real-time earthquake data from 10 seismological stations that are located in schools at Bulgaria, Cyprus, Greece, Italy and Turkey. Each station employs the TC1 vertical seismometer, especially designed for educational purposes and easily assembled by teachers and children. At each educational seismological station the real time earthquake waveforms are collected by a Windows PC supported with Arduino Drivers and the Amaseis, Winquake and SeisGram2K60_SCHOOL, analysis tools. This data are shared amongst the network of schools and teachers play a key role in developing and applying innovative educational tools, inorder to stimulate the interest of students in seismology in earthquake prone regions

The first results of the SSE project concerning the recent seismicity in South Eastern Europe and Turkey, will be demonstated in this presentation and an evaluation of the network detection capabilities and student-teacher interaction will be discussed. These results are also disseminated to the public via the Erasmus+ Project Results Platform and the SSE web page.