



## **Testing the "PRESTo" early warning algorithm with OGS, ARSO and ZAMG seismic data: first results**

Luca Elia (1), Andrej Gosar (2), Wolfgang Lenhardt (3), Marco Mucciarelli (4), Damiano Pesaresi (4), Matteo Picozzi (1), Mladen Zivcic (2), and Aldo Zollo (1)

(1) AMRA-Università di Napoli, Napoli, Italy, (2) ARSO, Ljubljana, Slovenia, (3) ZAMG, Vienna, Austria, (4) OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale), Centro di Ricerche Sismologiche (CRS), Udine, Italy (dpesaresi@inogs.it, +39 0432 522474)

Since 2002 the OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) in Udine (Italy), the Agencija Republike Slovenije za Okolje (ARSO) in Ljubljana (Slovenia) and the Zentralanstalt für Meteorologie und Geodynamik (ZAMG) in Vienna (Austria) are collecting, analyzing, archiving and exchanging seismic data in real time. The data exchange has proved to be effective and very useful in case of seismic events near the borders between Italy, Austria and Slovenia, where geographical distribution of the single national networks can not assure reliable location of the events outside or at the margin of the single networks, while the usage of common data from the integrated networks improves considerably the overall reliability of real time seismic monitoring of the area.

In order to extend the seismic monitoring in North-eastern Italy, Slovenia and Southern Austria towards Earthquake Early Warning applications, at the end of 2013 OGS, ARSO and ZAMG teamed with AMRA-Università di Napoli in Italy to test the reliability of the Probabilistic and Evolutionary early warning SysTem (PRESTo) algorithm with their data: first test results will be illustrated.