



ALERTES EEWs for South Iberia: feasibility and prototype

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The Spanish ALERT-ES project was set up to study the feasibility of setting up an Earthquake Early Warning System to warn the potentially damaging earthquakes that can occur in the SW of Iberia peninsula, such as the 1755 Lisbon earthquake. Four events, located close to the epicentres of the largest earthquakes in the area, were simulated and the errors were analyzed. In addition, a study about the blind zone and the lead time at six selected targets was carried out. The results show a blind zone in the SW corner of Portugal for SV earthquakes and also a blind zone in the coastal area, from Portimao to Cadiz, for the GC earthquakes.

Currently, an EEWs prototype, called ALERTES system, based on SeisComP3 software, is running on quasi-real time under test for Ibero-Maghrebian region, in the frame of the ALERTES-RIM Spanish project.