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Ground-based and satellites observations of the ionospheric phenomena related to seismo-tectonic activity in Mediterranean area

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The potential of multiple ground-based and satellites observations primarily in real-time to support ionospheric modelling in seismo-tectonic activity in Mediterranean area have been appreciated for some time. Recent international projects and a long-lasting oblique-incidence sounding campaign over Europe provide sufficient data sources to make the ionospheric monitoring of seismically active in Mediterranean regions a feasible and an efficient option.
DIAS (European Digital Upper Atmosphere Server), GIFINT (Geomagnetic Indices Forecasting and Ionospheric Nowcasting Tools), MIRTO (A (prototype) tool for real-time ionospheric imaging over the Mediterranean area) and oblique-incidence ionospheric sounding campaigns over Europe and its data application have been active for some time. These results and observations are analysed before, after and during the duration of important seismic events that have recently occurred in Mediterranean area. This paper describes the preliminary finding and discusses the future activities.