# Pre-Earthquakes a European FP7 Project for Earthquake Precursors Studies.

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Until now no one measurable parameter, no one observational methodology, demonstrated to be sufficiently reliable and effective for an operational earthquake prediction. The combined use of different observations/parameters together with more refined data analysis methods are expected to reduce false alarm rates, to improve reliability and precision (in the space-time domain) of predictions in the framework of an integrated system for a *dynamic seismic risk assessment*. The PRE-EARTHQUAKES (Processing Russian and European EARTH observations for earthquake precursors Studies) project funded by the European FP7 program in 2010 is mostly devoted to explore this possibility. In this paper PRE-EARTHQUAKES strategy and results so far achieved over selected areas in Europe and Asia (by

using different ground and satellite observation systems, different data analysis methods, for several parameters) will be presented. The possibility of enlarging the international collaboration, contributing to the Earthquake Observation System (EQuOS) as a dedicated component of GEOSS (Global Earth Observation System of Systems) will be also discussed.