



Topo-Iberia Project: GPS planned contribution

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Topo-Iberia is a Spanish Research Council funded project, which aim is to understand interactions among deep, shallow and atmospheric processes, integrating geological, geophysical, geodetic and geo-technological researching activities. Knowledge of topographic changes and their causes are needed in order to assess natural hazards. It is also important to take them into account when evaluating the climatic change impact. The project will be focused in three main areas of interest, located in the Iberian Peninsula: Northern and Southern borders of the Iberian micro-plate, besides its central core.

This paper will show the scheduled GPS contribution to the project. A new array of permanent station will be installed complementing the GPS networks already deployed by different institutions. After an initial period designing the network, purchasing new equipments, and deploying stations, it is intended to keep them a minimum of four years of continuous monitoring. A further analysis of the whole set of coordinates time series, should give a nice view of relative displacements, deformations and stresses all over the frame of our interest.