In Tenerife, since the seismovolcanic crisis of 2004, there have been carried out several projects that have highlighted the high risk that a reactivation of the volcanic central system of the island may involve. Seismic activity within Tenerife is almost constant from late 2004 until 2009. Today, national seismic network (Instituto Geografico Nacional) allows the location of events with sufficient precision to ensure that, from late 2009, there is a continuing seismic activity, with presence of swarms, in the central system, in the Northeast ridge and the Orotava valley. The histogram of the events shows a strong increase from late 2009 that can not be attributed to the improvement of the seismic network and working method.

The tremor detected has amplitudes of the order, or slightly above, the seismic noise. In 2008, the tremor amplitude increases considerably.

The rate of liberation of seismic energy follows different patterns in the vicinity of Tenerife and regional. The rate in the interior of the island has remained constant until early 2009, when a significant increase happened after a seismic silence and an earthquake of magnitude 2.6. The seismic energy within the island shows the existence of a loading-unloading process.

The value of b to the interior of the island varies between 1.5 and 2, indicating the presence of a volcanic component superimposed on tectonic activity.

The assessment of the latest data indicates that the process is still going on.