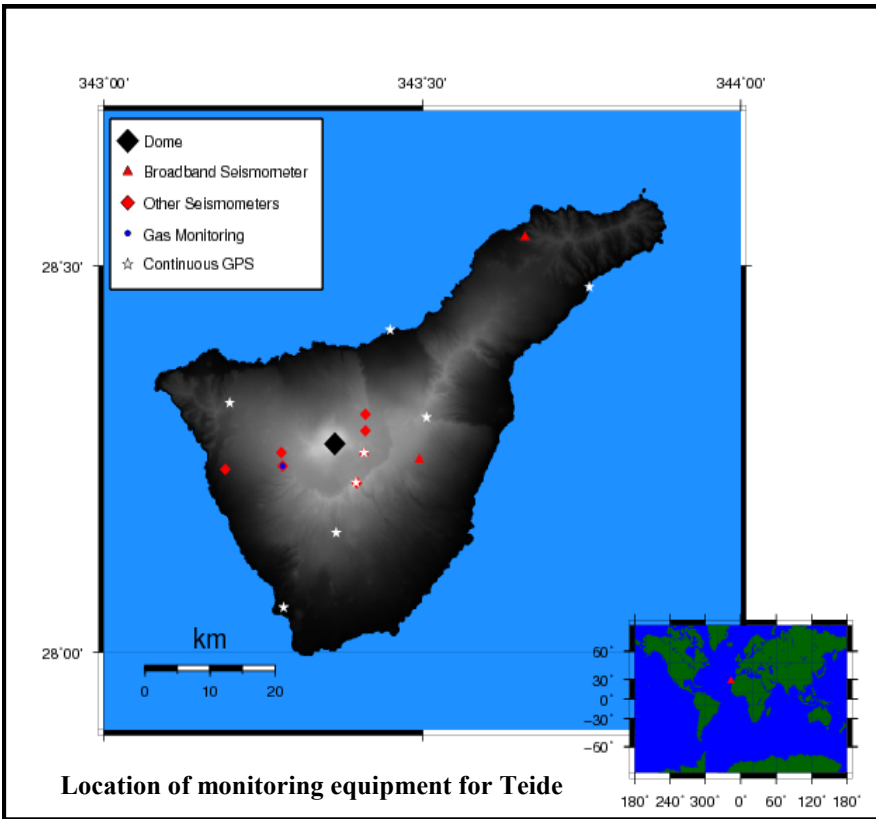


WP 6: MONITORING CAPACITY AT TARGET VOLCANOES

TEIDE, TENERIFE



| | Teide |
|------------------------|---|
| Broadband Seismometers | 3 |
| Short Period Geophones | 3 |
| Gas monitoring | 3 |
| EDM | - |
| Continuous GPS | 8 |
| Campaign GPS | 20 |
| Other | 3 Extended band seismometers 15 groundwater sample sites |

Teide is located within the Central Volcanic complex in Tenerife (Canary Islands) and is an example of intra-plate oceanic volcanism.

Its most recent activity in the Holocene has been characterized by effusive eruptions of basaltic to phonolitic magmas, but there is also evidence for explosive events which are Plinian and sub-Plinian in nature.

The most recent activity (unrest in 2004) may be indicative of the reawakening of Teide. From April 2004, the activity of the fumeroles within the crater dramatically increased, followed by a clear and pulsating plume from the crater in October 2004. By December, a new fracture had opened and fumerolic emissions were once again high. Prior to this, the repose period of activity is estimated at hundreds to thousands of years.

