ID: Type: **Poster**

Multiyear Etna Volcano Monitoring

The International Monitoring System (IMS) technologies can have civil and scientific applications other than its primary mission which is the verification of the Comprehensive Nuclear-Test-Ban Treaty (CTBT). One of those applications is volcano Monitoring.
The Italian volcano Etna is one of the active volcanoes in the world and its activity is detected by more than one IMS station such as IS48, which is located in Tunisia and is about 550KM away from Etna.
In this Poster, we will present some of the NDC-TN results pertaining to the Etna activity monitoring over many years. We will try to show the general trend in signal backazimuth between winter and summer and the effect of the seasonal reversal of the stratospheric winds.

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Track Classification: Theme 2: Events and Their Characterization