

**Title:**

**25 years of long-term analyses of TIR satellite radiances: lesson learnt and implications toward a multi-parametric t-DASH system**

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**Topic:**

**Plenary**

After more than 25 years of studies it is possible to draw a balance of the application of Robust Satellite Techniques to long-term satellite TIR (Thermal InfraRed) radiances in the attempt to identify (isolating them from all the others possible sources) those anomalies (in the spatial/temporal domain) possibly associated to the occurrence of major earthquakes. The results achieved by processing multi-annual (more than 10 years) time series of TIR satellite images collected in different continents and seismic regimes, will be presented to identify common (or peculiar) elements of success/failure respect to the possibility to build and implement a multi-parametric system for a time-Dependent Assessment of Seismic Hazard (t-DASH).