



## **Behavioral trends observed in pre- and post-fire satellite NDVI time series**

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Pre- and post-fire vegetational dynamical behaviour in a shrub-land site of Sardinia (Italy) was investigated, using the 1998 to 2005 time series of Normalized Difference Vegetation Index (NDVI) from SPOT-VEGETATION sensor. The detrended fluctuation analysis (DFA) was used to identify persistent behaviour, in order to characterize the stability/instability properties of vegetation dynamics. Our analysis points out to the following results: i) both pre- and post-fire vegetation dynamics are persistent; ii) post-fire dynamical behaviour is characterized by a larger degree of persistence; iii) a link between persistence and resilience can be identified.