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Time-scaling behaviour in forest-fire sequences observed in Gargano area (Southern Italy)

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Time-scaling analysis has been approached to characterize the temporal distribution of forest-fire sequences detected in Gargano Area (southern Italy), which is one of the most severely affected of the Italian territory. Our findings reveal that point processes of the fire sequence can be considered as a fractal process with a high degree of time-clusterization of the events. The time-clustering phenomenon is visible from timescales of order of few days. Furthermore the fire process tends to be less time-clusterized with the increase of the burned area.