



Characterization of time dynamics in fire sequences observed in Patagonia, Argentina

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The investigation of the time dynamics of forest-fires is a challenge in the environmental sciences, and different methods are necessary to completely and deeply identify, quantify and characterize the several features of a fire sequence. Focusing on a vulnerable area of Patagonia (Argentina), the fire temporal regime from 1986 to 2005 has been analysed. Methods based on a interevent-time representation and a count-based representation of the fire series, have been applied in order to evidence possible non-Poissonian patterns, time-clustering behaviour, size-dependent and time-dependent time-scaling properties.