

## **SPATIAL DISTRIBUTION OF TORRENTIAL RAIN EVENTS IN THE VALENCIAN REGION WITH A MESOSCALE MODEL (RAMS)**

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In previous work at CEAM we studied the spatial distribution of torrential rain events in the period 1971-1995. We have found four different types of events regarding the spatial distribution of rain. Also, the Regional Atmospheric Modeling System (RAMS) has been adapted to the specific conditions of the Valencian region and incorporated the sea-surface temperature distributions derived from NOAA satellite data as an initialization input. In this paper we show the results of the numerical modeling of the four different types of events with the RAMS model. The results showed to be consistent with actual data in the spatial distribution but the scoring is still lacking with regards to the amounts