



## **Extratropical cyclones tracker. First approach from the INM-SREPS**

**A. Genovés** (1), M.A. Picornell (1), C. Santos (2), J.A. García-Moya (2), J. Campins (1) and A. Jansà (1)

(1) CMT en Illes Balears, INM, Spain, (2) Sub. Gral de Predicció, INM, Spain  
(genoves@inm.es)

The forecast of localization and associated magnitudes related to cyclonic systems is one of the crucial aspects in the operational forecasting. Little work has been done, apart of their simulation by NWP models, in order to forecast their tracks, the evolution along their life cycle or the derived effects that an extratropical cyclone can produce along its life cycle. In this paper, a tracker for extratropical cyclones is presented. The procedure, not yet operational, operates over the Short Range Ensemble Prediction System (SREPS) of the INM. The procedure has been obtained from a tracking algorithm initially developed for climatological purposes. Some other probabilistic products are under development like those for obtaining the strike probability for the cyclones or the evolution of the intensity along their life cycle.