



## **Dynamical and Statistical downscaling from the ECMWF System3**

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Since March 2007, the ECMWF operational seasonal forecasts are produced by the System 3, a version of the ECMWF Global Coupled Ocean Atmospheric Model, which has replaced the former System 2. However, since October 2006 the 41 member EPS is also available. On the other hand, since May 2007 an experimental dynamical downscaling is regularly prepared by INM in the ECMWF facilities using the LAM Rossby Centre Atmospheric model (RCA) nested to the System 3 outputs. The size of this EPS is 11 members and the size of the corresponding hindcasting is 75 members (5 members for each of the 25 years when the System 3 hindcasting is available). The performance of both systems for precipitation forecast over Spain has been studied by comparing direct model outputs and outputs of ANALO-ONE, a downscaling statistical tool already used in the DEMETER Project and operational for seasonal forecast in INM. The period covered for this comparison is from autumn 2006.