



## **Results and validation of the last decal simulation performed with the 1/15° Mercator prototype**

Y. Dirlet (1), R. Bourdalle-badie (1), C. Le provost (2), G Madec (3)

(1) Mercator-ocean/CERFACS, (2) Legos, (3) LODYC

MERCATOR is a French operational oceanographic project and contributes to the Global Ocean Data Assimilation Experiment (GODAE) in 2003-2005. The PAM (Atlantic Mediterranean sea Prototype) is the very high resolution basin model (5 to 7km), based upon the OPA8.1 primitive equation model developed at LODyC (Paris). This configuration was developed and improved since the years 1998. Several experiments have been performed and the last one is a 10 years interannual simulation (1992-2002). In this simulation, forced by the ECMWF reanalysis (ERA40), main features of the simulated general circulation will be presented, and then a particular attention will be carried out on the transport in the straits and the deep convection.