

**CLIVAR-SPAIN contributions: Coupled and uncoupled ERA-Interim regional climate simulations over the Mediterranean basin: A contribution from UCLM-UPM group to HyMeX project**

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During the last three years, UCLM and UPM regional climate modelling groups have worked in the coupling of PROMES atmospheric model and ocean model MOSLEF under a project funded by the Spanish Ministry of Science and Innovation (Ref.: CGL2007-66440-C04) Recently, the improvement of the two models and their coupling have been completed and the first long-term simulations have been made. Available results will be presented comparing the coupled and uncoupled simulations. Several metrics, diagnostics and physical processes are planning to be analyzed for these simulations