

## Teleconnections between the Indian Ocean Dipole Mode and climate variability over the Eastern Mediterranean Sea, as simulated by a coupled General Circulation Model

M. Roxy (1) and S. Gualdi (2)

(1) CMCC, Bologna, Italy (roxy.mathew@cmcc.it), (2) INGV, Bologna, Italy

Role of the Indian Ocean Dipole Mode in influencing the Eastern Mediterranean Sea climate variability is examined using simulations from a coupled atmosphere ocean general circulation model (INGV-SXG). The dynamical processes involved in the teleconnection between the two regions, as captured by the model simulations are investigated. The study is then validated using the ERA-40 reanalysis. The new findings here indicate that a combination of regional meridional circulations and planetary wave motions are involved in the observed teleconnection.