



Tropical influence on south Europe/Mediterranean and southwest Asia autumn rainfall

A. Mariotti (1), **N. Zeng** (2)

(1) ENEA National Agency, Italy and ESSIC, University of Maryland, College Park, MD , (2) Dept. of Meteorology, University of Maryland, College Park, MD (Contact annarita.mariotti@casaccia.enea.it)

Recent investigations suggest a robust statistical link between interannual autumn rainfall variability in regions of south Europe/Mediterranean and southwest Asia and tropical climate variability, notably the El Nino Southern Oscillation ENSO. In this study, the mechanisms behind this teleconnection are investigated in observational datasets, reanalyses and numerical AMIP-type simulations using a hierarchy of atmospheric models. In particular, we will discuss the roles played by various oceanic regions in producing the observed signal.