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A synthesis of Mediterranean Sea level trends and the errors in their estimates

M. Tsimplis (1), G Spada (2), M Marcos (3), F Antonioli (4), and M Anzidei (4)

(1) Southampton, National Oceanography Centre, Southampton, United Kingdom (mnt@noc.soton.ac.uk), (2) Institute of Physics, Urbino University, Italy, (3) IMEDEA, University of Baleares, Spain, (4) ENEA, Department of Environment, Global Change and Sustainable Development, Italy

Coastal sea level trends can be caused by land movements, water mass addition, oceanic processes and atmospheric changes. These processes have various spatial and temporal scales. While significant progress in understanding particular processes contributing to coastal trends has been made in the recent years the relative importance of the various factors is not yet clear.
In this study we re-assess the contribution of each of these processes to coastal changes in the Mediterranean Sea level on the basis of observations and regional models. We also present estimates of the uncertainties and errors involved.