**Ocean Science
Discussions**

Interactive comment on "Coastal upwelling along the southwest coast of India – ENSOmodulation" *by* K. Muni Krishna

Anonymous Referee #2

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The author describes a relation between ENSO signal, as reflected by the MEI, and the upwelling activity off southwest India and explores the possibility of forecasting. The document is well written and complete, and the topic is suitable for OSD. The overall quality of the paper is good.

However, in my opinion there are two main methodological considerations that must be addressed, one on the forecast exercise, where predicted values are within the regression model, and thus no forecasting capability is demonstrated. The author must use another event, or recomputed the regression without the years to be forecasted. Further, time series is long enough to test other events such as 1972, 1983/4, La Niña 1989, etc. (in each case, the tested year should be removed from the regression) and formally estimate the forecasting capacity.

The second is that, its unclear why seasonal averages are used instead of monthly values (available from the MEI and COADS), further, the use of seasonal average forces a time lag that could be further explored if he uses monthly values. One potential analysis that appears necessary to me is a moving cross-correlation, to detect weather time lag (to be defined) changes between periods or not (this will give clues on the ocean/atmosphere mechanism operating).

Specific comments:

Figures can be greatly improved, particularly font size in figure 2

Interactive comment on Ocean Sci. Discuss., 5, 123, 2008.

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