

Interactive comment on “NW Adriatic Sea variability in relation to chlorophyll-a dynamics in the last 20 years (1986–2005)” by L. Tedesco et al.

Anonymous Referee #1

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My opinion is that some additional data should be analysed. Include the correlation with the Po runoff. You have probably tried using monthly average of the runoff; try instead to correlate your data with the average of the Po daily runoff, for a shorter period before the in-situ sampling date, for example one week. This may give better result. There are indications that NAO is responsible for the surface layer of the Adriatic (Grubelic et al. 2004; Supic, et al. 2004) which for the shallow Northern Adriatic means the whole water column. The meteo conditions of prolonged bora wind episodes generate cold NAdDW in the Northern Adriatic, which is a consequence of the air pressure distribution over the wider area. Check the possibility of the connections with NAO and with extreme winds. For the wind also use short period average before the sampling date, from a close location like the platform in front of Venezia, the buoy of APAT or

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other close coastal station available in the area.

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