

Interactive comment on “Holocene evolution and sedimentation rate of Alikes Lagoon, Zakynthos island, Western Greece – preliminary results” by P. Avramidis and N. Kontopoulos

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I have started the revision of the paper by Avramidis and Kontopoulos 8220; Holocene evolution and sedimentation rate of Alikes Lagoon, Zakynthos island, Western Greece 8211; preliminary results. It is the first time I make a revision of an on-line paper and, therefore, I 8217; d like to take more time to make the final revision. As asked me by the editor here my general comments. Paper deal s with an interesting subject; that is, tectonic and sedimentation. It gives up to some results surely interesting, however poorly supported by data. Data presented are: 1. grain size analysis. It is not well written both in English and in concepts, and data are mixed with interpretation. I suggest

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to rewrite carefully this part and add a chapter on grain size data interpretation. Still in this part I suggest to give info on the sedimentation rate of each unit, underlining which are and how they have been derived. 2. Magnetic susceptibility. It is not used at all in the discussion. Why have you done this chapter? Delete or discuss it. 3. Fauna. You speak about a tidal flat fauna. I am pretty sceptical about the use of the word tidal flat; Along the Mediterranean region we have no good example of tidal flat. Fossil assemblage remind me to lagoon more than tidal flat; that is, what I was expecting studying a lagoon deposit!!! 4. Dating. Why have you used ^{13}C and not ^{14}C ?

Discussion. This sentence: The above studies correlate the radiocarbon data with the tectonic regime, the sea level changes and with archaeological records; it is not clear to me. What do you correlate and in which way? In general the all discussion ad to be written in a much more clear way. As it is, it is a bit confused.

Interactive comment on eEarth Discuss., 4, 55, 2009.

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