

***Interactive comment on “A niche comparison of
Emiliana huxleyi and Gephyrocapsa oceanica and
potential effects of climate change” by
Natasha A. Gafar and Kai G. Schulz***

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Dear colleagues

You present a very interesting and useful piece of work. You selected the two species you refer as the most common. *Emiliana huxleyi* [sorry don't know how to put italics in this text] (Eh) is unquestionably the currently dominating species in oceanic niches. *Gephyrocapsa oceanica* (Go) is for sure the most abundant but in neritic domain (at least in my area, not sure about Australia), not exactly the most common in the overall oceans. In addition, from a paleoecological point of view, records of Eh are always compared to another small placolith species (small *Gephyrocapsids*; sG), not to Go,

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both in terms of relative and absolute abundances. I understand that Eh and Go are among those coccolithophores that better perform in cultures but shouldn't we compare Eh against sG instead? What's your opinion?

Best regards, Mario Cachao

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