

## Author's response

Reviewer #2 suggestion in *italics*, author's response in **bold**.

Reviewer suggestion: *"L2: the word "coastal" is used twice within the sentence, maybe use "such" for the second one"*

**Response: Changed as suggested.**

Reviewer suggestion: *"L91: "...above sea level (ASL)." → since a lot of parameter are abbreviated using capital letters, I would recommend using lowercase letters: asl or a.s.l., but I am unsure if the journal recommend using ASL, in this case, I of course have no saying here."*

**Response: As far as we understood, the journal does not have a policy regarding this. We have changed this as suggested. We have also subsequently changed AGL into a.g.l.**

Reviewer suggestion: *"L100: Written sectors are also fine, but I always like visualizations: Maybe a pie chart? But this is only a suggestion, the written absolutely works."*

**Response: We added the wind sectors and corresponding labels into Fig. 1.**

Reviewer suggestion: *L477: "...This was the first time thatthe EC mesasurements..." → there is a space missing between "that" and "the"*

**Response: A space has been added.**