**Earth System
Dynamics**
Discussions

ESDD

**Interactive
comment**

Interactive comment on "Intensity of geodynamic processes in the Lithuanian part of the Curonian Spit" *by* Algimantas Česnulevičius et al.

Anonymous Referee #1

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- This paper is addressed relevant scientific questions within the scope of ESD. - The paper presents novel concepts and data. - Substantial conclusions reached are, example, "an investigation of geodynamic processes revealed the regularities and reasons of transformations of aeolian macro- (hollows, etc.) and micro- (micro – terraces, rolls, etc.) forms". - The scientific methods and assumptions valid and clearly outlined. In 76-77 line stead "tectonic subsidence" better "dune tectonic." - The results sufficient to support the interpretations and conclusions. In chapter "3.Climatic factors" says nothing about the extreme events such as storm. - The description of experiments and calculations are sufficiently complete and precise to allow their reproduction by fellow scientists. - The authors give proper credit to related work and clearly indicate their own new contribution. - The title clearly reflects the contents of the paper. - The abstract is concise and summary is complete. - The overall presentation is well structured

and clear. - The language is clear. My English is not native. - The abbreviations and units correctly defined and used. - In figure 3 of the paper must additions: 1) the cross-sections of Fig.1 and Fig.4 have to be marked are shown in Figure 3; 2) in Fig.3A unexplained black and red sings (symbols). - The number and quality of references appropriate, but in 84 line cited (Lampe et al., 2011) is not in the references. First and second references are transpose. - There is no supplementary material.

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