

**Reviewer's report**

**Journal: NHESS**

**Paper-no: nhess-2013-415**

**Paper title: Mapping of extreme wind speed for landscape modelling of the Bohemian Forest, Czech Republic**

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The manuscript might be suitable for publication after review of the following points:

- **P4L14-15** Specify the reasons for the decision to produce windspeed maps at 30 m a.g.l.
- **P4 L17-23** The use of Gumbel distribution is described too generically. Please specify the integration of the Gumbel probability function in the proposed model
- **P5L13-14** WaSP "*is broadly used for estimation of extreme wind speeds*": please provide references
- **P5L25** What's the "original value"? Please specify
- **P5L26** What do you mean with "model instability"? Please clarify
- **P5L30 – PAG6L1-2** Please clarify the use of roughness parameter into the model
- **P6L6-13** You used wind speed measurements provided by only 1 meteo station. Can be reliable a model applied on an area of 7000 km<sup>2</sup> with data from a single weather station? Please provide explanations about
- **P6L20** What do you mean with "complementary reanalysis data"? Please clarify
- **P10L25-27** What are the parameters, which you produce an estimate, which influence the extreme wind speed? Please specify
- **P17** Please add colours code
- **P18** This map should be compared with terrain map and roughness map

Last notes:

- the English form needs to be revised
- Provide a flow chart of proposed model