

The second version of the paper is clearer than the first one. However, some additional explanations are required.

Page 3 line 11, there is the word "outputs" while there is only one output. Please correct if necessary or explain.

Page 3 line 14: what are the differences between the meta-model and the surrogate model?

The figure 4 is not clear enough.

Page 13 lines 17-18 and later on: define (for instance by an equation and at least by a variable name), MSE, PWSD and above all standard deviation because you use «standard deviation » several times in the paper and it is not clear if it is the standard deviation of the same samples and on the same variables. Particularly, "standard deviation" on Figure 7 cannot be understood because there is only one prediction for each event.

Comparison of the surrogate model against observations is expected either in §4.2 or §4.3.

Page 17 the sentence of lines 21 and 22 cannot be understood. You should detail the explanation.

At the end of §4.3, I expected an estimation of the error. For instance, the number of points predicted over the total of underpredicted + predicted + overpredicted. I guess the number is so low that you do not wish to show it. The information that the model provides poor results is nevertheless an interesting information.

Page 19 line 32: as previously, what means « standard deviation of the prediction »: the surrogate model provides one value of one output for one event.

Page 20 line 1: « standard deviations »: similar remark as previous one

Page 22 line 2: you recommend but have no proof that it would be an efficient method: so cancel it.