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Supplement of

Simulating damage for wind storms in the land surface model ORCHIDEE-CAN (revision 4262)

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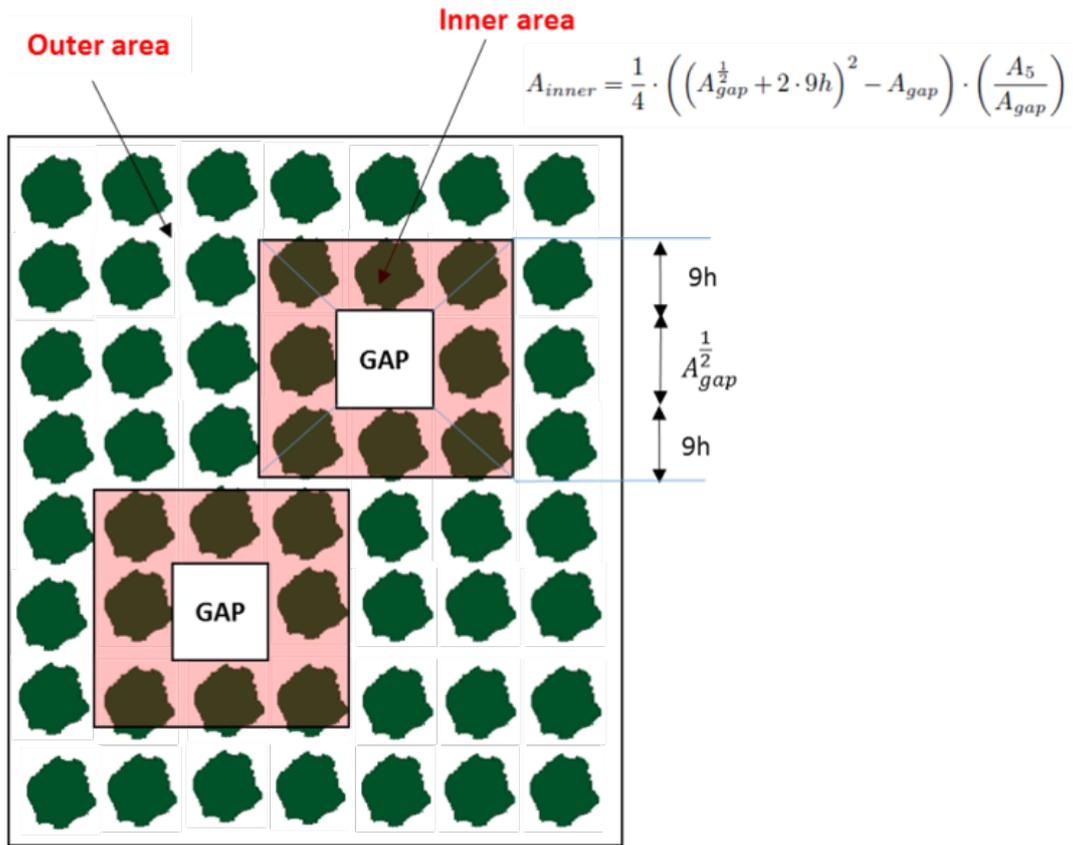


Figure S1. Illustration of inner and outer area generated by gaps within a forest area.

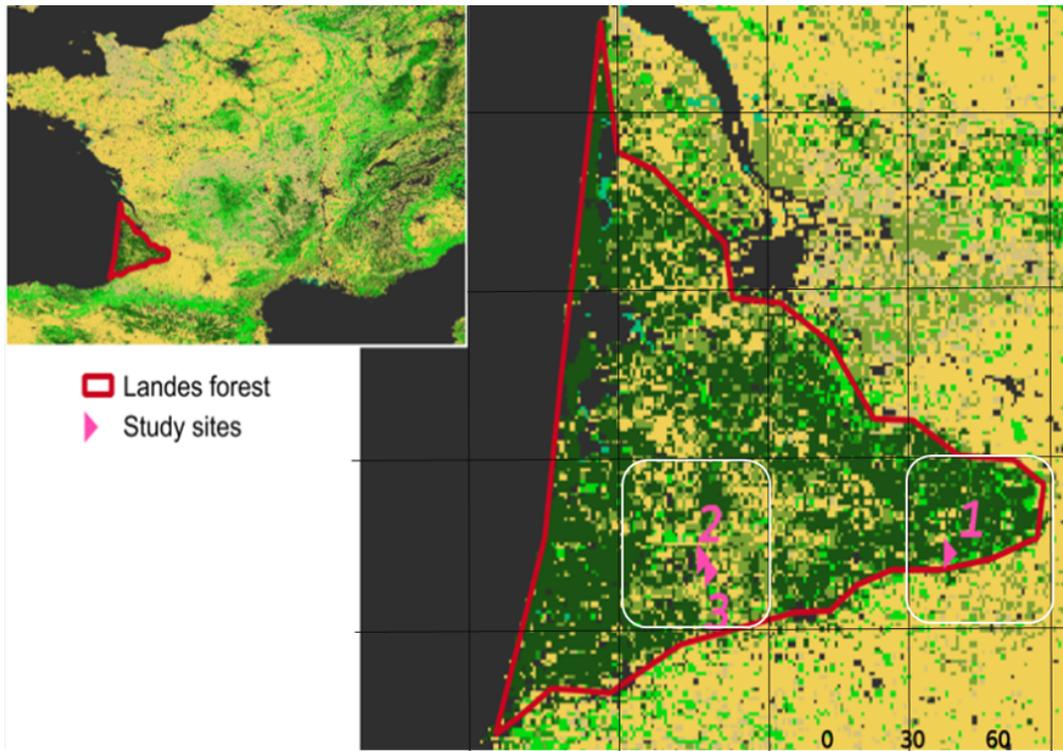


Figure S2. Illustration of selected points in the les lands forest.

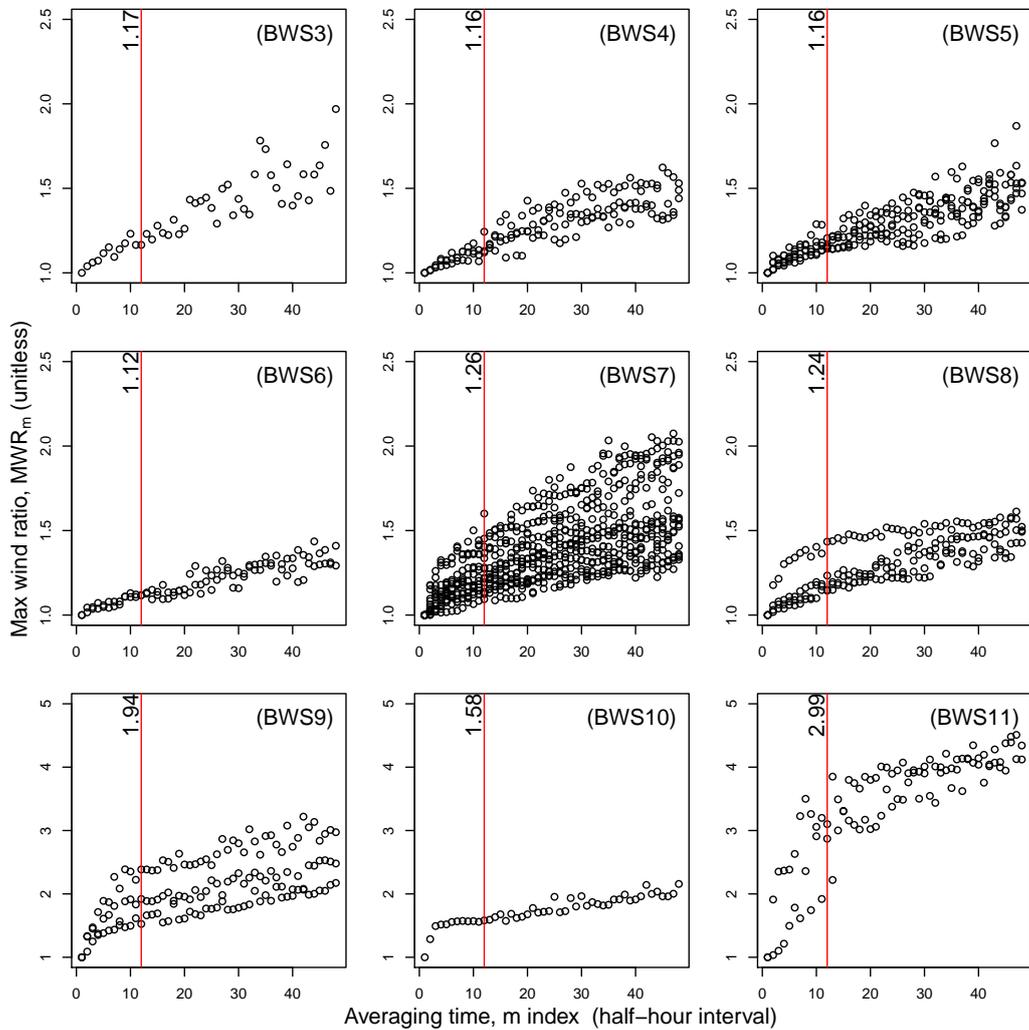


Figure S3. The effect of different temporal aggregation period, an increasing in m index for a 30 minutes extension, on the wind speed at selected Fluxnet forest sites. The red line in each sub-plot indicates of using a 6h aggregation period ($m = 12$, because $m = 1$ represents 30 minutes).