

Interactive comment on “Effects of a windthrow disturbance on the carbon balance of a broadleaf deciduous forest in Hokkaido, Japan” by K. Yamanoi et al.

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The presented paper is a clearly written paper and a complete study of the effect of a wind throw on the carbon balance of a forest in northern Japan. It demonstrates with measurements that trigger event such as wind throe have a strong effect on the carbon balance and cause a change over from net carbon sequestration to carbon loss that lasts several years after the event. It is an important addition to the existing flux datasets and sets a warning mark to up-scaling of flux data from undisturbed fields sites. Especially valuable is the supplementation of the Eddy Covariance flux data with biometric data to assess the changes in the biomass.

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The first reviewer Werner Eugster already indicated a list of minor revisions that should be taken on board of a revised manuscript.

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