

Interactive comment on “Vegetation dynamics and soil water balance in a water-limited Mediterraneanecosystem on Sardinia, Italy” by N. Montaldo et al.

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This paper represents an innovative contribution in modeling land surface processes with the inclusion of vegetation dynamics. Although the current status of vegetation growth models is characterised by a large extent of empiricism, the model proposed maintains a simple scheme with a relatively limited number of parameters. The proposed approach has been validated only in two sites with micrometeorological data; field measurements of LAI are not described in detail. However, the entire approach appears particularly suitable for setting up a data-assimilation scheme.

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