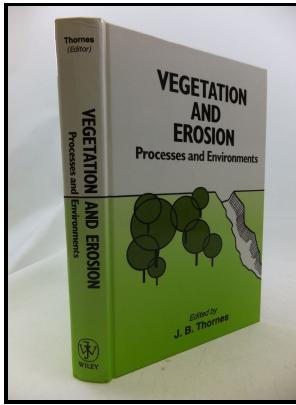


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Changes in global vegetation distribution between 2100 and 2000. For instance, suppose that a certain land surface scheme that is used to calculate the energy balance of a sparsely vegetated surface under conditions of strong radiation then describes an erroneously small transport of water within the soil.

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Review of some basic characteristics of the atmospheric surface layer. Annual Review of Fluid Mechanics, 24: 205-233. Gerten D, Schaphoff S, Haberlandt U, Lucht W, Sitch S: Terrestrial vegetation and water balance: Hydrological evaluation of a dynamic global vegetation model.

A simplified one

In the last two decades their parameterization has been considered by many authors ; ; ; , among others. Trends in Ecology and Evolution 2006, 21: 400—407.

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Soil Sci Soc Am J, 67 1 : 166-180.

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McMurtrie 2005 , On the validation of models of forest CO₂ exchange using eddy covariance data: some perils and pitfalls, Tree Physiol. TE and UH contributed data handling and analysis, WC analysis, writing and supervision.

Agroclimatology

Note that we do not consider transient responses.

Terrestrial vegetation redistribution and carbon balance under climate change

For the sunlit leaves the amount of absorbed radiation, and therefore A_n and g_s, depends on the leaf angle. These may co-exist at any location, depending on plant competition for resources and space, and a set of environmental constraints.

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