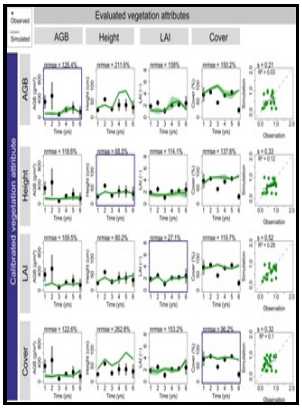
Grassland simulation model - US/IBP biome study

Springer-Verlag - Simulation of grassland productivity by the combination of ground and satellite data



Description: -
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Biological models.
Grassland ecology -- Simulation methods.
Grassland ecology.Grassland simulation model - US/IBP biome study
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Ecological studies -- v. 25Grassland simulation model - US/IBP biome study
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This edition was published in 1977

Tags: #Hydrological #simulation #in #a #tropical #humid #basin #in #the #Cerrado #biome #using #the #SWAT #model

Grassland ecosystem responses to climate change and human activities within the Three

Sectors are defined as emissions of CO 2, CH 4 and N 2O from managed versus sparsely grazed grasslands, and of CO 2 from land-use change emissions of deforestation to pasture and of conversion of grassland to cropland. Derner, 2008: Grazing impacts on soil carbon and microbial communities in a mixed-grass ecosystem.

Grassland ecosystem responses to climate change and human activities within the Three

Maneta, 2019 Citation He, M.

Environmental change in grasslands: Assessment using models

Hobbie, 2013: Decade-long soil nitrogen constraint on the CO 2 fertilization of plant biomass. In contrast to other similar ecosystems, alpine grasslands are mainly distributed within high-altitude zones and cover only about 3% of global land area.

Climate warming from managed grasslands cancels the cooling effect of carbon sinks in sparsely grazed and natural grasslands

We then evaluated the performances of the original MOD16 and the optimized MOD16 and compared them at multiple spatial scales i.

Simulation of grassland productivity by the combination of ground and satellite data

These studies suggest that grassland carbon cycling is resilient to appropriately managed grazing see Figure 10. However, loss of soil carbon is most likely to occur in humid grasslands, with increases in soil carbon apparent in arid regions Barger et al.

MODIS Global Evapotranspiration Project (MOD16)

These models have more parameter requirements and complexities; however, they better describe mechanisms and have the potential to estimate

NPP more accurately when compared with regression-based models. Soil Carbon Responses to Rising CO 2 and Interactions with Multiple Drivers. Oecologia, 147 2 , 291-302, doi:.

New model for simulating autumn phenology of herbaceous plants in the Inner Mongolian Grassland

Lal, 2001: The Potential of U. However, direct measurement of global terrestrial ET is not feasible. Fetzel T, Havlik P, Herrero M, Erb K-H 2017 Seasonality constraints to livestock grazing intensity.

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