



Web services and model-data comparison for the Functional Test Platform

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The realistic representation of key biogeophysical and biogeochemical function is the fundamental on process based ecosystem models. A Functional Test Platform is designed to create direct linkages between site measurements and process-based ecosystem model within the Community Earth System Models (CESM). The platform consists of three major parts: 1) interactive user interfaces, 2) functional test models and 3) observational datasets. The purpose of the observational datasets is to provide an interactive search and visualization capability for direct model-data comparison. The proposed presentation is going to show how web services can be used to feed model-data comparison using AmeriFlux data collection provided by Carbon Dioxide Information Analysis Center (CDIAC) and the way it is coupled with Functional Test Platform for the Community Land Model.