

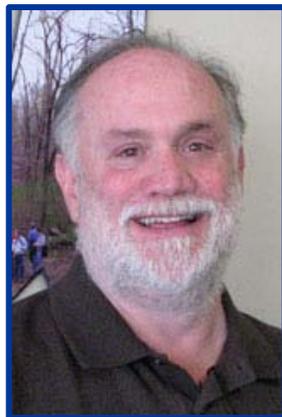
# Continental-Scale Analysis of Terrestrial Carbon Exchange: *Combining Models and Observations*

Frontiers in Global Change  
Seminar Series

Presented by...

**Dr. David Schimel**

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**Abstract:**

Understanding the current biological carbon budget is important for understanding the entire carbon budget. Equally important is understanding the climate sensitivity of terrestrial carbon exchange. Locally, climate sensitivity of carbon exchange can be measured and modeled, but different sites and systems respond very differently. Because of this heterogeneity, extending carbon cycle knowledge to the continental and global scales is extraordinarily difficult. The National Ecological Observatory is being built to enable understanding and forecasting of change to ecosystem services, including the carbon cycle. It includes a systematic approach to observations, sampling and extrapolation using models. While the development of a continental carbon/water/energy exchange model is very much a work in progress, I will discuss the strategy and progress to data.

Please join us for a meet and greet opportunity  
with Dr. Schimel after the seminar.  
~Refreshments will be served~

Date: Tuesday,  
June 21<sup>st</sup>, 2011

Location: Battelle  
Auditorium

Time: 1:00 pm