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# LOCKWOOD LECTURE

# "Quantifying Uncertainty in Ecosystem Studies: Why it's Worth Facing our Fears"


## Dr. Ruth D. Yanai
**Professor**
**Director, Graduate School Program in Environmental Science**
**State University of New York, College of Environmental Science and Forestry (SUNY-ESF)**


**Friday, February 3, 2017**
Tea: 10:30 a.m.
Lecture: 11:00 a.m.

Jones Auditorium
The Connecticut Agricultural Experiment Station
123 Huntington Street, New Haven, CT

Forest ecosystem budgets have traditionally been reported without any indication of confidence in pools or fluxes. Even now that methods are readily available to propagate uncertainty through complex calculations, many researchers are reluctant to find out just how uncertain their estimates may be. Uncertainty analysis has many benefits, such as evaluating monitoring approaches to avoid wasting effort and identifying where resources should be directed to best improve understanding.

Dr. Yanai is a professor in the Department of Forest and Natural Resource Management at the State University of New York College of Environmental Science and Forestry. Her areas of research, much of it conducted at Bartlett Research Forest and the Hubbard Brook Experimental Forest, include nutrient acquisition and limitation and element cycling in hardwood forest ecosystems, forest regeneration, and the response of plants to environmental change. Dr. Yanai also hosts the QUEST (Quantifying Uncertainty in Ecosystem Studies) Research Coordination Network.