**Working group title: Quantifying Uncertainty in Atmospheric Deposition**

**Investigator: Ruth Yanai**

**Award Year: 2012**

**Publications**

Yanai, R. Levine, C., Green, M. and Campbell, J. 2012. Ecosystem budgets have no error: a progress report on Quantifying Uncertainty in Ecosystem Studies (QUEST). Journal of Forestry 110(8): 448-456 (Refereed).

RD Yanai, N Tokuchi, JL. Campbell, MB Green, E Matsuzaki, SN Laseter, CL Brown, AS Bailey, P Lyons, CR Levine, DC Buso, GE Likens, J Knoepp, K Fukushima. Sources of uncertainty in stream solute export from headwater catchment. In review at Hydrological Processes

**Additional Funding Obtained**

 “RCN: Quantifying Uncertainty in Ecosystem Studies” Ruth D. Yanai, $500,000; 5 years; National Science Foundation

**Workshops**

Held an organized Oral Session called “Uncertainty Analysis: A Critical Step in Ecological Synthesis” at the 98th annual meeting of the Ecological Society of America”. Minneapolis, MN August 4-9, 2013.

We are organizing a sub-plenary (*The Importance of Quantifying Uncertainty in Managing Forests)* and a technical session (*Quantifying Uncertainty in Forest Measurements and Models: Approaches and Applications,*  2014 IUFRO meeting and SAF convention, Salt Lake City, UT.

**Website**

<http://quantifyinguncertainty.org> has been revamped

**Presentations**

Campbell, John L., Ruth D. Yanai, and Mark B. Green.  [Quantifying uncertainty in ecology: Examples from small watershed studies](http://eco.confex.com/eco/2013/webprogram/Paper41006.html).  Minneapolis, MN-Ecological Society of America Annual Meeting, August 5, 2012.  [OOS 5-2](http://eco.confex.com/eco/2013/webprogram/Paper41006.html).

See, Craig R., Ruth D. Yanai, Mark B. Green, and Douglas I. Moore.  [Uncertainty due to gap-filling in long-term hydrologic datasets](http://eco.confex.com/eco/2013/webprogram/Paper41007.html).  Minneapolis, MN-Ecological Society of America Annual Meeting, August 5, 2012.  [OOS 5-6](http://eco.confex.com/eco/2013/webprogram/Paper41007.html)

Yanai, R.D.  Quantifying Uncertainty in Belowground Carbon Turnover.  Bordeaux, France—COST Action FP0803, Belowground Carbon Turnover in European Forests, May 13-15, 2013

Yanai, R.D. Quantifying Uncertainty in Ecosystem Studies:  Approaches and Applications. Canterbury, NZ— University of Canterbury, Forestry, hosted by Scion, the Forestry Research Institute, July 23, 2013.