

## PROPOSAL FOR FLUXNET SYNTHESIS PUBLICATION



Initial

coordinators:: Dennis Baldocchi

Collaborators

needing

access to

data:

Affiliations: University of California Berkeley

### DATASET PROPOSED

LaThuile or Opened Access

### TITLE OF PAPER AND OUTLINE

#### TITLE

How Well Does Canopy Surface Conductance Scale with Ecosystem Photosynthesis?; A test of the Ball-Berry Empirical Model and the Medlyn Optimal Model

We intend to examine the applicability of the Ball Berry stomatal conductance model at ecosystem scales by comparing  $G_c$  with the product of canopy photosynthesis times relative humidity divided by  $CO_2$ . We will also test the newer Medlyn model which computes conductance as canopy photosynthesis divided by the produce of  $CO_2$  times the square root of vapor pressure deficit

### PROPOSED SITES TO BE INVOLVED

Sites that meet high quality of nearly complete data sets. At present working with 227 site years of data from 92 sites..

### PROPOSED RULES FOR CO-AUTHORSHIP

What is requested to the PIs to be coauthor

Significant contribution to the analysis, writing, or among some of the early proponents of this idea.