PROPOSAL FOR FLUXNET SYNTHESIS PUBLICATION

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Collaborators needing access to data:

Affiliations: Chinese Academy of Sciences

DATASET PROPOSED

LaThuile and the Opened datasets

TITLE OF PAPER AND OUTLINE

Carbon-use efficiency of global terrestrial ecosystems

This paper will analysis the spatial pattern of ecosystem carbon-use efficiency (CUE, NEP/GPP) of global terrestrial ecosystems. Three questions would be addressed in the paper: (1)how CUE varies inter-annually? what determines the inter-annual variability of CUE? (2) what's the differences of CUE in terms of magnitude and variability among plant functional types? (3) what climate factor(s) dominants the spatial pattern of CUE across global sites?

The paper is likely to be submitted to Agriculture and Forest Meteorology, Global Ecology and Biogeography, or JGR-Biogeosciences.

PROPOSED SITES TO BE INVOLVED

All sites of natural terrestrial ecosystems are needed in the analysis (cropland sites are not included). Daily values of NEP, GPP, RE, ET and the meteorological variables are needed in the analysis.

PROPOSED RULES FOR CO-AUTHORSHIP

What is requested to the PIs to be coauthor

A draft of the manuscript will be circulated to the PIs of all sites used in the analysis. Data contributors who make an intellectual contribution in improving the m/s will be included as co-authors. If acceptable to the journal, those who do not make an intellectual contribution will be acknowledged according to the LaThuile Data Policy.

Li