Fluxnet synthesis proposal

Title:
Thermal inertial and land characteristics for land surface modeling over different land types

Short outline:
Many meteorological and air-quality models require land characteristics such as albedo, Bowen ratio, surface moisture availability, thermal inertial and area heat capacity, as inputs for the calculations of mixing length, stability class, dry deposition, and surface energy components. Here, we would like to propose to derive the land characteristics for land surface modeling over different land types using the method in Tsai et al. (2007). Tsai et al (2007) has derived the characteristics over rice paddies. We would like to apply the method to other land types as well as rice paddy sites, especially for sites in Asia. To begin with, thermal inertial will be determined because it’s an important variable in determining the energy exchanges between the atmosphere and the underlying land surface.

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Every site contributor can nominate co-authors. All co-authors are expected to actively contribute to the manuscript.
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