

Long-Term Plans on Land-Surface-Process Investigations

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Vegetation investigations

- Sophisticated canopy-resolving land-surface model
 - Other vegetation types (currently only broadleaf)
 - Implementation in MMF along with a roughness sub-layer parameterization (e.g. Harman and Finnigan)
- Cloud interaction with the canopy model

Orographic drag–vegetation coupling

- Effect on hill steepness and length
- Vegetation variations–density, distribution, types
- Effect of temperature stratification
- Diurnal cycle – morning/evening transition, spatially varying radiation absorption
- Cloud effects