







Abstract here

Introduction

- (Arsenault et al., 2018; Kumar et al., 2019).
- 2011).

Methods

- deficit and summer drought.
- L.) is classifiend as Needleleaf Evergreen Forest (ENF).
- 0.005 deg grid and by forcing the model with MERRA2 reanalysis data.
- Three vegetation scheme configurations have been tested:
- **DEF:** default Noah-MP with prescribed vegetation
- **DYV2:** default configuration with dynamic vegetation enabled
- analysis of different configurations on FLUXNET sites across various land cover types

DEF



model outputs and satellite observations.

Results

- water content (SWC).
- moisture variability.

Evaluating gross primary productivity, soil moisture and evapotranspiration derived from