Dear Editor,

Thanks for reminding us regarding the Code and Data Policy. First, we updated the data links with ";" issue, and these links should be right now. We also archived our model and data into the Zendo (https://doi.org/10.5281/zenodo.6484857). The Code and Data Availability will be updated in the modified manuscript.

**Code and Data Availability.** The source code of ELMv1 is available from https://github.com/E3SM-Project/E3SM (last access: September 2020); NLDAS-2 forcing is available from https://ldas.gsfc.nasa.gov/nldas/v2/forcing. SOIL and TOPO related datasets are downloaded from https://svn-ccsm-inputdata.cgd.ucar.edu/trunk/inputdata/lnd/clm2/rawdata/. LULC related datasets are from Ke et al. (2012); ERA5-Land reanalysis is available from: https://cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-land-monthly-means?tab=overview. The exact version of ELM source code and surface data (e.g., SOIL, TOPO, LULC) used in this study are archived on Zenodo (https://doi.org/10.5281/zenodo.6484857)