File created by, Anna T. Trugman. last update March, 2020

Please acknowledge the use of this data in any publications: A.T. Trugman, LDL Anderegg, JS Shaw, WRL Anderegg (2020). Trait velocities reveal that mortality has driven widespread coordinated shifts in forest hydraulic trait composition. Proceedings of the National Academy of Sciences.

The four files correspond to community weighted mean physiological traits derived from the US Forest Service Forest Inventory and Analysis Database and the Xylem Functional Traits Database for Amax, KL, P50 and from the above publication.

Resolution: 1.0-degree

Grid: latitude-longitude

Files/variables:

1. CWM\_Amax\_10Deg.nc
   1. lat – center of latitudinal grid cell
   2. lon – center of longitudinal grid cell
   3. nplots – number of plots used to calculate CWM\_Amax
   4. CWM\_Amax – grid-level mean of community weighted mean Amax (μmol m-2 s-1)
2. CWM\_KL\_10Deg.nc
   1. lat – center of latitudinal grid cell
   2. lon – center of longitudinal grid cell
   3. nplots – number of plots used to calculate CWM\_KL
   4. CWM\_KL – grid-level mean of community weighted mean KL (kg m-1 MPa-1 s-1)
3. CWM\_HSM\_10Deg.nc
   1. lat – center of latitudinal grid cell
   2. lon – center of longitudinal grid cell
   3. nplots – number of plots used to calculate CWM\_HSM
   4. CWM\_HSM – grid-level mean of community weighted mean HSM (MPa)
4. CWM\_P50\_10Deg.nc
   1. lat – center of latitudinal grid cell
   2. lon – center of longitudinal grid cell
   3. nplots – number of plots used to calculate CWM\_P50
   4. CWM\_P50 – grid-level mean of community weighted mean P50 (MPa)

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