

FLUXNET files data description

The files contain the results of the last processing step applied to the eddy covariance and meteorological variables that include the gapfilling and the partitioning of CO₂ fluxes. The processing is made using the OneFlux processing suite that has been developed in collaboration with AmeriFlux and is used as standard across the regional networks (<https://github.com/AmeriFlux/ONEFlux>). The results obtained are fully compliant with the FLUXNET2015 data collection and with the results obtained by the other networks that uses the OneFlux tool.

The product is composed by 7 files:

- Continuous fluxes and meteo data aggregated at five different time resolutions (halfhourly, daily, weekly, monthly and annually) with a file name structure ICOSETC_CC-###_FLUXNET_TT_VP.csv where CC-### is the official site code, TT is the time aggregation (HH, DD, WW, MM, YY) and VP is a two digits value that identifies the version of the processing.
- Two auxiliary files providing additional information about the use of ERA downscaling for meteo gapfilling (file name structure ICOSETC_CC-###_FLUXNET_AUXMETEO_VP.csv where CC-### is the official site code and VP is a two digits value that identifies the version of the processing) and about the NEE filtering (file name structure ICOSETC_CC-###_FLUXNET_AUXNEE_VP.csv where CC-### is the official site code and VP is a two digits value that identifies the version of the processing).

The information about the file structure and content, variables and processing pipeline are provided in the fluxdata portal (common repository) and available at the addresses:

- Variables and files description: <https://fluxnet.fluxdata.org/data/fluxnet2015-dataset/fullset-data-product/>
- Processing description: <https://fluxnet.fluxdata.org/data/fluxnet2015-dataset/data-processing/>