

## **FLUXES file data description**

### **Class1 and Class2 ICOS Stations**

The file contains the eddy covariance measurements, including the quality check and filtering and the storage component, the footprint information, but without any gapfilling or partitioning (available in the FLUXNET product). The data are a continuous timeseries with resolution of 30 minutes.

The file name structure is ICOS-ETC\_CC-###\_FLUXES\_VP.csv where CC-### is the official site code and VP is a two digits value that identifies the version of the processing.

The fluxes have been calculated using the processing and quality filtering tool developed in the ICOS Ecosystem Thematic Centre and based for the fluxes calculation on EddyPro (<https://www.licor.com/env/support/EddyPro/software.html>) that is described in:

Vitale et al. (2020) A robust data cleaning procedure for eddy covariance flux measurements, Biogeosciences, <https://doi.org/10.5194/bg-17-1367-2020>

and available as R package on the ICOS ETC GitHub at <https://github.com/icos-etc/RFlux>

The list of variables, their description and the units are reported in the Variables\_description.xlsx file included in the Level2 data package.

For any question related to the data processing and structure please contact [info@icos-etc.eu](mailto:info@icos-etc.eu)