This folder contains 3 files that have been used to calculate the average IBPFI for all scenarios presented in the manuscript: The reference scenario ERA5land and SSP370 at the 1991-2020 time period dataset are available in the “*Albarine\_SSP370\_1991\_2020*” file, while the SSP370 and SSP585 at the 2071-2100 time period dataset are available in the “*Albarine\_SSP370\_2071\_2100*” and “*Albarine\_SSP585\_2071\_2100*” files, respectively.

Each file includes 3 tabs, one detailing the name of the lines and columns (Metadata), one used for the IBPFI calculation (IBPFI calculation) and the final one used to calculate the standard deviations (standard deviation).

**IBPFI calculation**: this tab includes the yearly percentages of FI estimated by each GCM (*gfdl-esm4*, *ipsl-cm6a-lr*, *mpi-esm1-2-hr*, *mri-esm2-0*, *ukesm1-0-ll* columns)and the ERA5land column in the case of the “*Albarine\_SSP370\_1991\_2020”* file, for each reach of the Albarine river catchment (*reachID* column). Each reach was then attributed into an FI class according to its own FI value (*0D6W*, *1D5W*, *2D4W*, *3D3W*, *4D2W*, *5D1W*, *6D0W* columns).