README

The following CSV files contain the data for the presented results in "Bridging ecology and physics: Australian fairy circles regenerate following model assumptions on ecohydrological feedbacks", *Journal of Ecology*.

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CSV files: FC-L1, FC-L2, FC-C2, FC-C5, FC-1

The CSV files FC-L1, FC-L2, FC-C2, FC-C5, and FC-1 contain the coordinates of the 10,000 cells for each 1-ha plot, as well as the NDVI value of each 1 m × 1 m cell (columns A-C).

Additionally, the columns G-I contain the coordinates (centre of mass) and diameters of the fairy circles that have been manually segmented based on NDVI images. Note that the coordinates of the NDVI cells in A and B are based on the centre of the cell (pixel), hence the actual dimension of the plot is 0.5 m larger in either of the four directions and thereby covers 100 m × 100 m.

Table 1, Figure 3 and Figure 4 have been built based on these data.

CSV file: Quadrat-based_data

The CSV file Quadrat-based_data contains all results from the analyses of post-fire succession in the plots FC-F1, FC-C2, and FC-F3. For each column there are 40 lines which represent the four replicates (north, west, south, and east side) for each of 10 fairy circles in a plot.

Table 2 and Figure 5 have been generated using these data.

CSV file: Weather_station_data

The CSV file Weather_station_data contains all recordings of temperature and volumetric soil-water content (SWC) in and around a fairy circle in the plot FC-L2.

Figure 6 and Figure 7 have been built based on this data file.