

A Guide to Reading your Research Landscape

Weather and Climate

What temperatures are the bases of different types of cloud? Can this be related to weather measurements at the surface?

Are the characteristics of rain, such as drop size and intensity, the same in different types of rainfall (convective, frontal)?

How different are the microclimates of rural areas such as fields and woods? Consider temperature, wind, light levels and rainfall.

Are there microclimates around groups of buildings, such as a school or field study centre? Consider temperature, wind speed and rainfall.



Useful sources of secondary data:

- Met Office – weather and climate data
- Weather Underground
- Met Office - Weather Observations Website

How do weather conditions, such as temperature, pressure and wind speed, change as you climb a hill?

How does the microclimate of a city or town compare to rural surrounding areas? Consider temperature, wind, light levels and rainfall.

How does the microclimate at the coast compare with areas further inland? Consider temperature (including the sea surface), wind and humidity.