**Hibernating mammals use daily torpor to cope with stress from extreme weather and reduced food availability.**

**If UK hazel dormice are going into torpor during extreme weather conditions such as the 2022 heatwave and drought, where are they doing this?**

**Winter hibernation happens in nests within the leaf litter, would this be the same in the summer?**

**Ibutton data –**

* Testing suitability of ground vs nest box vs outside for daily torpor to avoid periods of heat and drought (food scarcity) in summer.
* LeVine test of variance to show ground temp stability. – we found that the ground temp was significantly less variable than the next box and outside temp. However, we lost this and now cannot work out how to do the test on r again as it comes up with error!
* Comparison to met office data to show reliability.
* Do not have a great amount to compare to the nest box data so that is where the met office data comes in.

**Met Office data – an average from the three closest historical weather stations. –**

* Use this to understand patterns between weather and presence/absence of dormouse. State of dormouse (torpid or active). Presence/absence of nest only.

**Nest box data**

**Coleridge woods-** Site approx. 3.8mi away from I button site. Long term NDMP records.

**Mardon mire –** site with iButtons and short term NDMP records