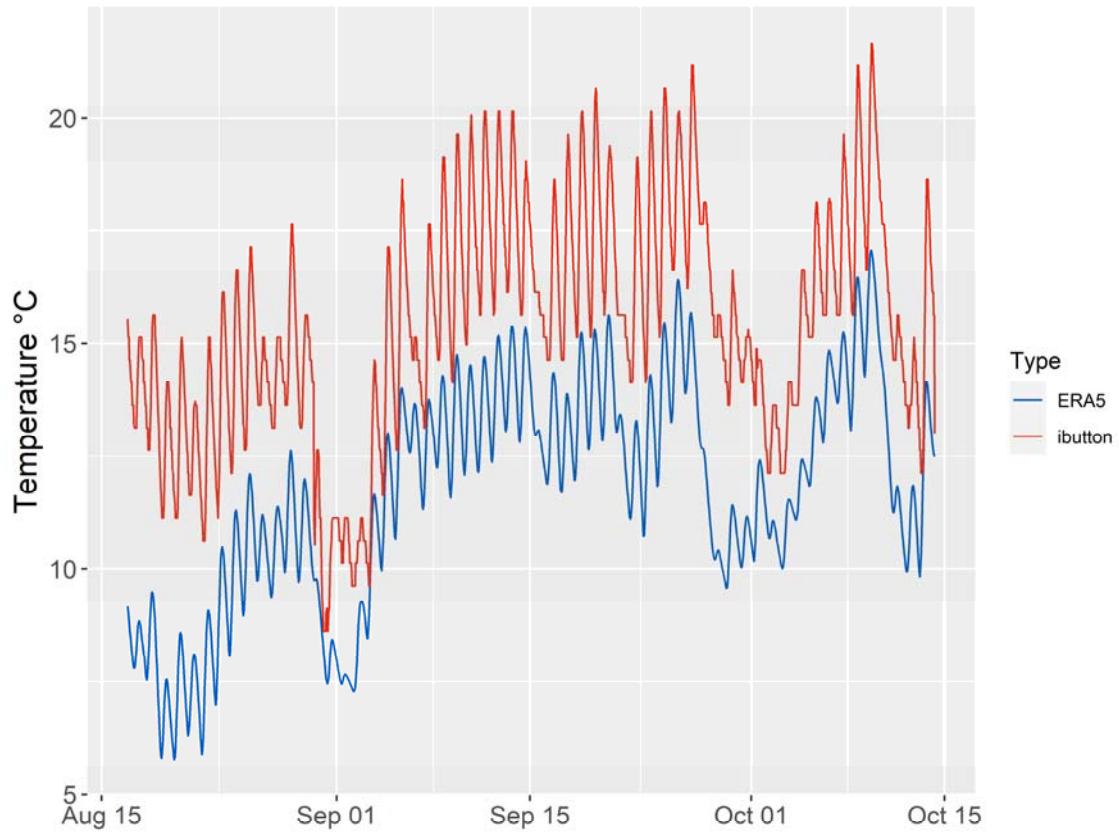


## Supplementary material



**Figure 1S.** Hourly fluctuation in soil temperatures obtained from temperature loggers (ibutton) and the ERA5-Land dataset (ERA5) between Aug15 2020 and Oct 15 2020. Temperature loggers were buried ca. 15 cm below the surface to correspond with the soil temperature at 7-28 cm from ERA5.