

# myClim

Microclimate data handling and standardised analyses in R

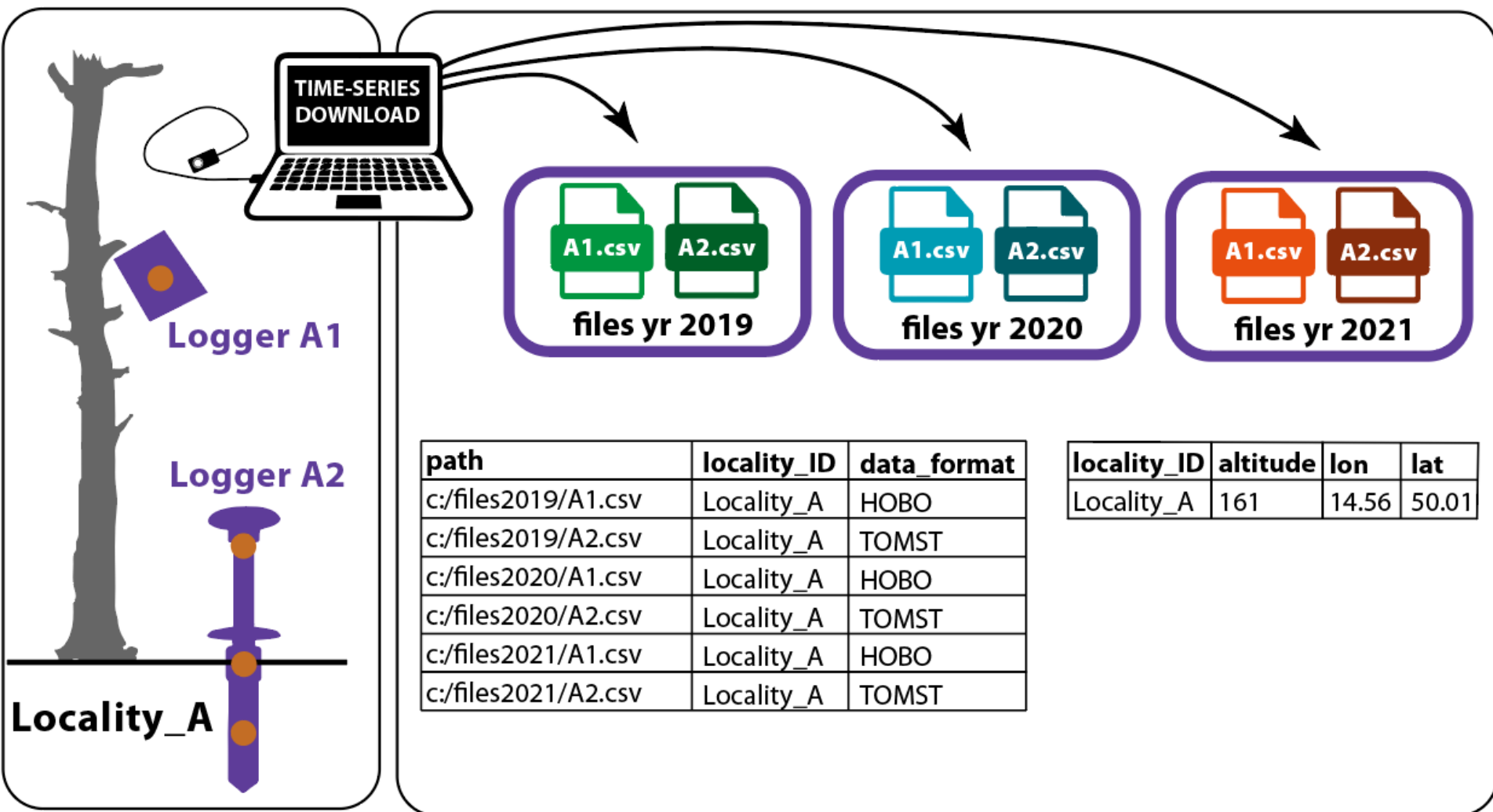


<http://labgis.ibot.cas.cz>

<https://github.com/ibot-geoecology/myClim>

[https://github.com/manmatej/2023\\_SoilTemp\\_virtual](https://github.com/manmatej/2023_SoilTemp_virtual)

**Matěj Man**, Vojtěch Kalčík, Martin Macek, Josef Brůna, Lucia Hederová, Jan Wild, Martin Kopecký



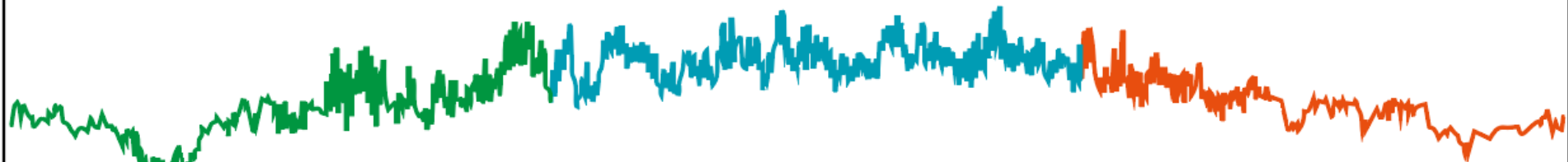
## myClim Raw-format

**mc\_prep\_clean( )**  
**mc\_prep\_calib( )**  
**mc\_prep\_calib\_load( )**  
**mc\_prep\_meta( )**  
**mc\_prep\_solar\_tz( )**

**correct time-series**  
**calibrate records**  
**update metadata**  
**compute solar time**



**mc\_join( )**



## myClim Agg-format

### compute virtual sensors

`mc_calc_cumsum()`  
`mc_calc_fdd()`  
`mc_calc_gdd()`  
`mc_calc_snow()`  
`mc_calc_vwc()`

### standard myClim envi

`mc_env_temp()`  
`mc_env_moist()`  
`mc_env_vpd()`

`mc_agg(weeks, months, seasons, years)`

## myClim Agg-format



`mc_reshape_long()`  
`mc_reshape_wide()`

analysis ready microclimatic time-series in table

