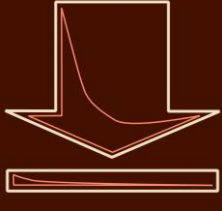


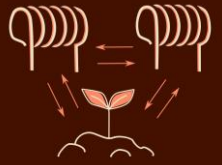
ELECTROMAGNETIC INDUCTION DATA COLLECTION

QUESTIONS TO ASK YOUR PROVIDER:



FORMAT Are data available for download in open formats so that I can use them in any software programme I'd like? What formats are available?

DATA CLEANING Will the data be 'cleaned' before they're made available to me, for example by de-staggering, correcting for drift, or removing offsets?



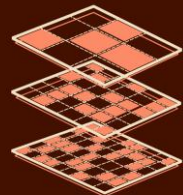
CONFIGURATION How are the instrument coils spaced and oriented? How high off the ground is the instrument mounted?

RAW DATA Can I access the individual electric conductivity and magnetic susceptibility data recorded at different depths?

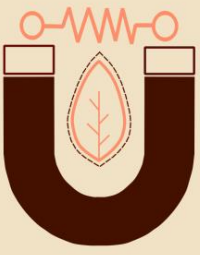


CALIBRATION Are any calibration processes followed so that I can better compare these data with other data?

RESOLUTION At what spatial resolution has this data been collected?



OWNERSHIP Who owns the data? who can it be freely shared with? How do any licenses restrict data sharing and reuse?



ELECTROMAGNETIC INDUCTION DATA COLLECTION

COMPLETE METADATA INCLUDES:

- INSTRUMENT TYPE** - make and model
- INSTRUMENT CONFIGURATION** coil height and rotation
- DATES AND TIMES** of data collection
- AREA COORDINATES** of data collection
- LOCAL WEATHER** data including information on the weather patterns seen in days and weeks before data was collected
- NOMINAL SPATIAL RESOLUTION** - size of the area represented by 1 pixel
- REFERENCES** to any related data including physical soil samples associated with the collected values
- PROCESSING** steps and parameters key data
- Magnetic susceptibility and Electric Conductivity** components of the measurements
- RAW DATA FORMAT** is a text or vector file accompanied by a header file detailing the instrument and survey parameters or is this information embedded in the data file?
- RASTER FILE FORMAT** data included the georeferenced data values in addition to any image files (.jpeg, .tiff, etc.)
- SOIL SAMPLES** collected at the same time as electromagnetic induction data
- MANAGEMENT ACTIVITIES** Irrigation and fertilisation.

WHY DOES THIS MATTER TO YOU?

This type of data can be used in heritage and environmental management, especially when it is collected at a higher spatial resolution. Obtaining details about how the data was collected will allow you to get more value from your data and for others (e.g. heritage organisations) to reuse these data. Asking for data collection at a higher spatial resolution increases its potential for future reuse.