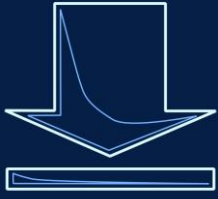


MULTISPECTRAL AND VEGETATION INDEX DATA COLLECTION

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 removing outliers or rescaling?



RAW DATA For vegetation index sensors, can I access the 'raw' spectral data which are used to calculate vegetation indices?

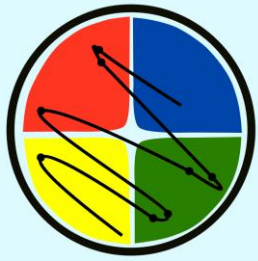
CALIBRATION Are any calibration processes followed so that I can better compare these data with other data?



COLLECTION What information can be provided about how the data was collected and processed?

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





MULTISPECTRAL AND VEGETATION INDEX DATA COLLECTION

COMPLETE METADATA INCLUDES:

- INSTRUMENT TYPE - make and model
- DATES AND TIMES of data collection
- AREA COORDINATES of data collection
- LOCAL WEATHER data source
- NOMINAL SPATIAL RESOLUTION - size of the area represented by 1 pixel
- REFERENCES to any related data
- PROCESSING steps and parameters key data
- RASTER OR IMAGE FILES FORMAT (more common): Are the vegetation indices or spectral ranges for each band embedded in the data files or provided separately?
- TEXT FILES OR VECTOR FILES FORMAT (less common): Are data headers (column names) embedded in the data files or provided separately?
- CROP TYPE being grown
- DEVELOPMENT STAGE of crops when the survey takes place
- MANAGEMENT ACTIVITIES such as tilling or variable rate irrigation

WHY DOES THIS MATTER TO YOU?

These data can be reused for heritage and environmental management and reanalysed with other agricultural data. Good planning and including information about how the data was collected will allow you to get more value from your data through reuse and reanalysis and enable others who you choose to share these data with to benefit from them as well.