**MISCADA and MDS boot camp – 30th April to 4th May 2024**

***Aim*** – to collect and wrangle spatial data for the Low Burn Hall Estate

***Deliverable*** – a datacube; a presentation to us; and an individual report for marking criteria – see below.

***What data will we give you?***

* A base map of the estate
* MODIS satellite data
* In complete digital elevation model

***What data will you collect?***

* Resistivity cross-sections
* Infra-red images
* DEM

*But – you are encouraged to find data sources for yourself*

***Work programme***

Day 1 & 2 – data collection

Day 3 & 4 – wrangling and building the datacube.

Day 4 pm – presentation of datacube for marking

After day 4 – write up of individual report

***Before starting the exercise***

* Organise yourself in to teams – there should be a team for each form of data collection
* Agree on division of tasks as not all of you will be able to work in the field

**Student facing document**

**Group project**

Aim – to produce a datacube of spatio-temporal information to present to a client (eg. Woodland Trust)

The datacube will be based on the Low Burn Hall Woodland trust reserve and must combine the data collected in the field; the data provided at the start of the exercise; and data collected from the group’s initiative. The assessment is in three parts:

* The datacube (30%)
* Group presentation (10%)
* Individual report (60%)

***Marking criteria***

The datacube –

1. the completeness of the construction – does it contain all the data that could be collected and included? (33% marks)
2. The format – the manner in which the data is combined, for example all data on a common spatial reference frame (33% marks)
3. Usability – the datacube will tested by a member of the marking team who was not part of the project. The datacube will have to be useable by the beginner (34% marks)

Group presentation –

1. A 30 minute presentation to the teaching team
2. Include a demonstration of the datacube (30% marks)
3. Presentation structure and clarity (40% marks)
4. Presentation style and format (30% marks)

Individual report - The report should cover and will be in line wit the common grading criteria for written reports in the MISCADA programme[[1]](#footnote-1):

1. Why did you choose the approach that you did? (40% marks).
2. What are the limitations of your approach? (40% marks)
3. What could you do differently with more time and resources? (20%marks)

1. [↑](#footnote-ref-1)