**BARNABUS - Extracting AMM15 modelled data from a single point:**

The data source is Copernicus found at:

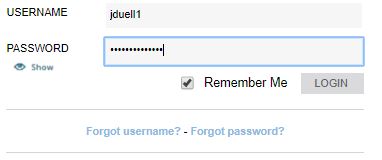
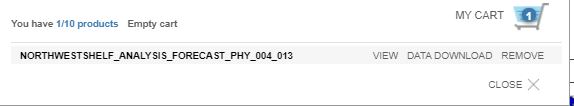
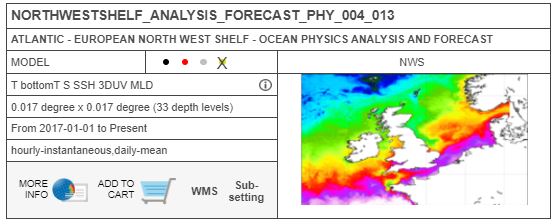
<http://marine.copernicus.eu/>

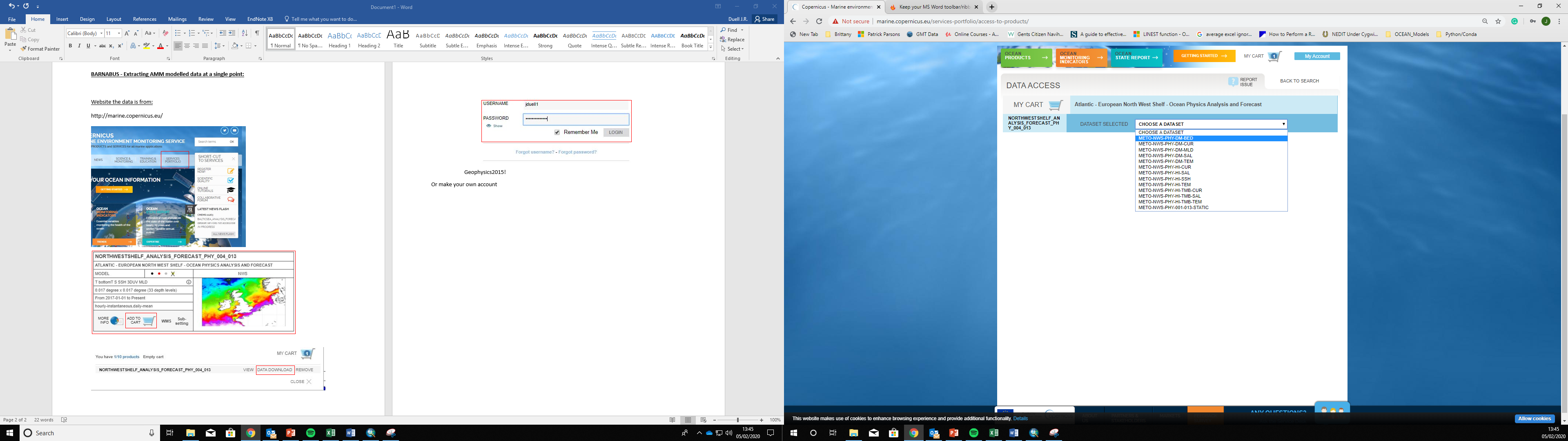
* Click on service portfolio
* Scroll down to NORTHWESTSHELF\_ANALYSIS\_FORECAST\_PHYS\_004\_013
* Click Add to cart
* Click Data download
* Feel free to use my account – or make your own. Its free;

USERNAME: jduell1

PASSWORD: Geophysics2015!







There’s a list of variables available; your looking at ocean bottom temperatures (OBT) and sea surface temperatures (SST) which correspond to:

“METO-NWS-PHY-DM-BED” is ocean bottom temperature (OBT). Met office North West European Shelf model Physical Daily mean bed FYI.

“METO-NWS-PHY-HI-TEM” is Sea Water Potential Temperature which with the correct boxes ticked becomes (SST)

* For now choose TEM

For an example (E,N) coordinate:

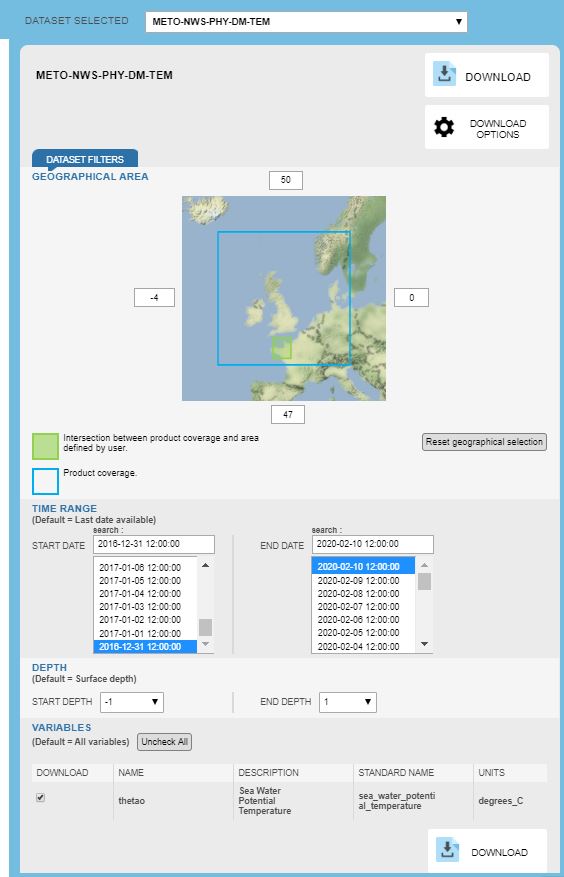
e.g. (-1.838364 E, 49.051234 N)

* Round to the nearest 1, and take a couple of degrees either side to make NESW bounds:

Rounded coordinate (-2 E, 49N)

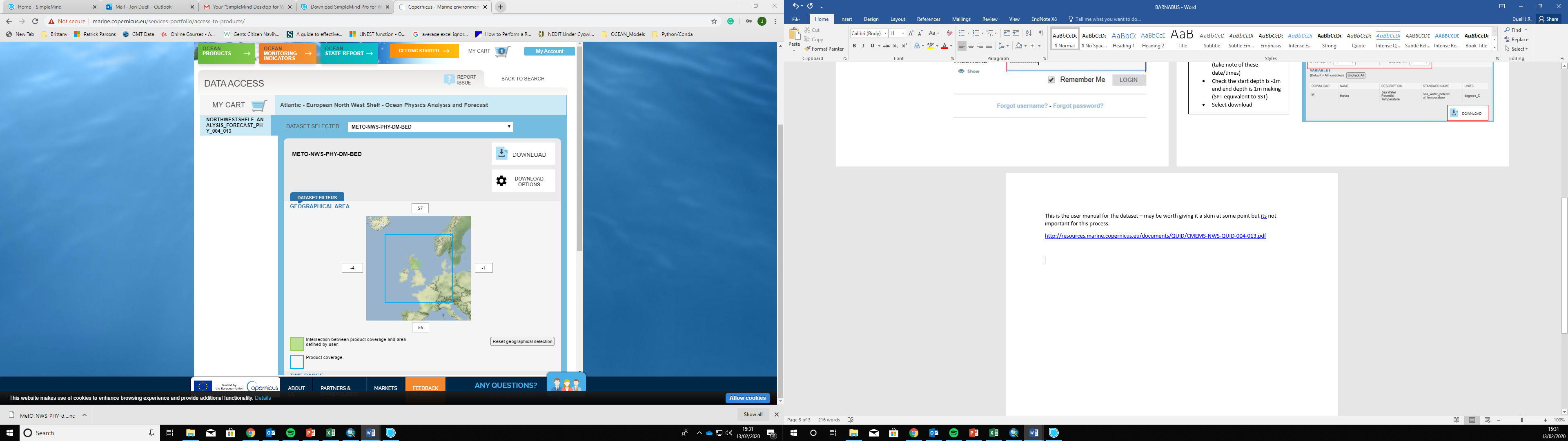
NESW Boundaries: 🡪 N(50) , E(0), W(-4), S(47)

* Enter these into the selection window
* Make the time range start at the earliest possible and finish on the latest possible (take note of these date/times)
* Check the start depth is -1m and end depth is 1m making (SPT equivalent to SST)
* Select download



This is the user manual for the dataset – may be worth giving it a skim at some point but its not important for this process.

<http://resources.marine.copernicus.eu/documents/QUID/CMEMS-NWS-QUID-004-013.pdf>

C:\Users\jrd1g15\AppData\Local\Microsoft\Windows\INetCache\Content.Word\MakeNetCDF_TableView.JPG

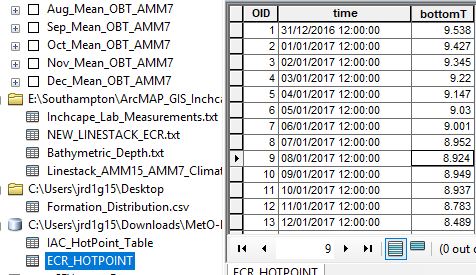
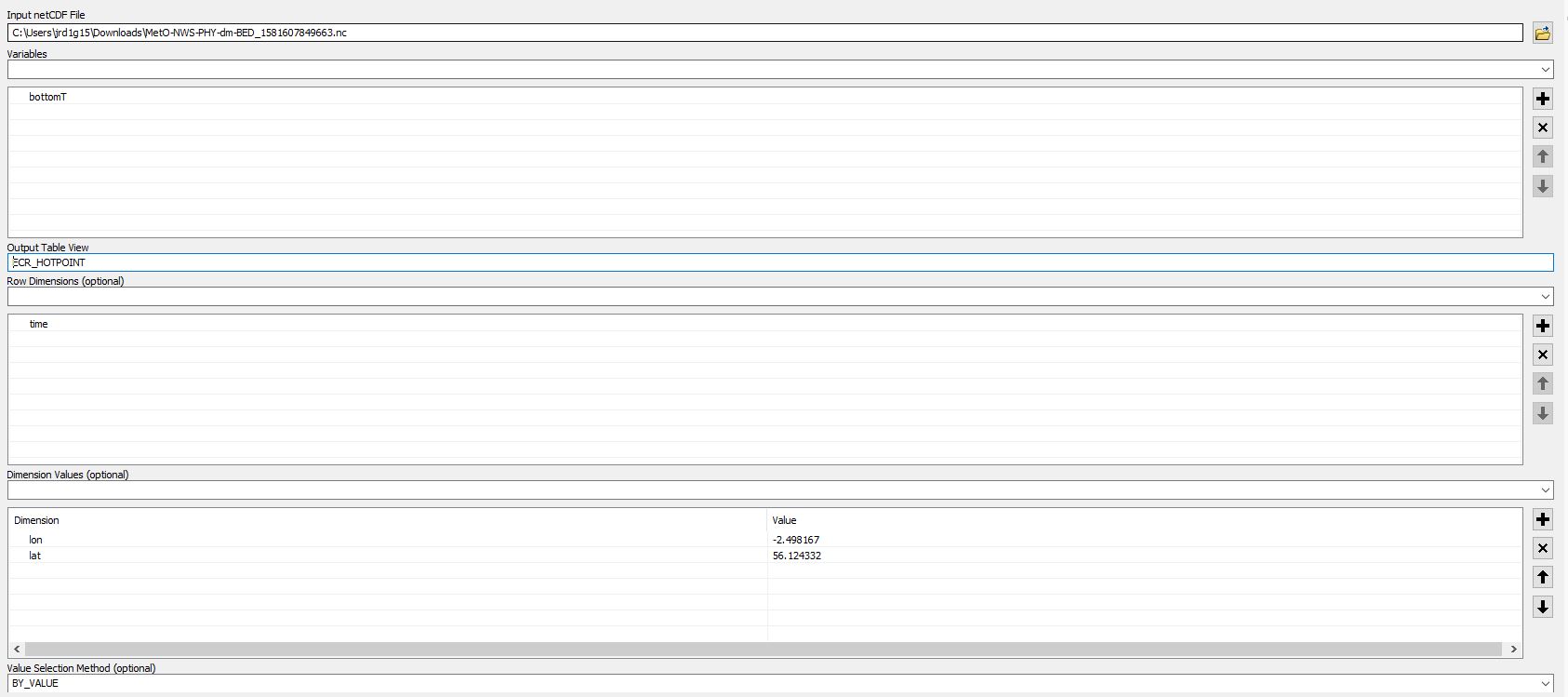
* This is the NetCDF

Now we are working in arcMap

NB: Just change the coordinates – making this as I’m working on a project ….

* In the toolbox search “make netCDF table view”
* Add the netCDF
* Add “bottom to Variables”
* Call the output table what you like
* Make Row Dimensions “time”
* Make Dimension Values “lon” and “lat” and make the values the coordinate you are interested in

Run the function



* RHC the table generated in arcMap and press Open
* Export the table as a .txt

