

ECLAIRE CEH DATABASE

Simple guide to downloading data from the database (Reporting)

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Note: these notes were written for NitroEurope database.

ECLAIRE specific notes will be posted when they are available.

Meanwhile, these notes will help you navigate the report wizard for the ECLAIRE database.

To run an existing report

Click the “REPORTS” tab

If you have already created a report, then it will be listed under “Your Reports”

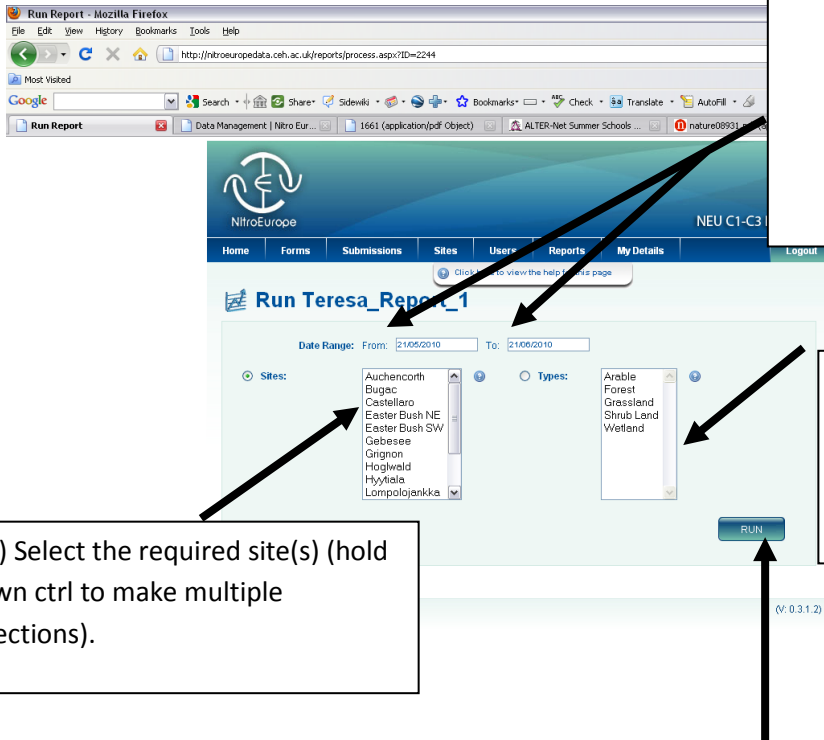
If you want to run a report that has been created for you (eg by a form manager), or one that you have made “public”, it will be listed under “Template Reports”

“Your Graphs” contains a list of reports that are defined as graphs (see later)

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Click “Run Report” next to the report you want to run

A new window appears:

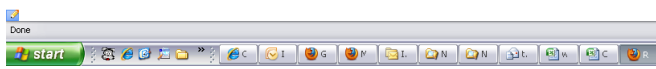


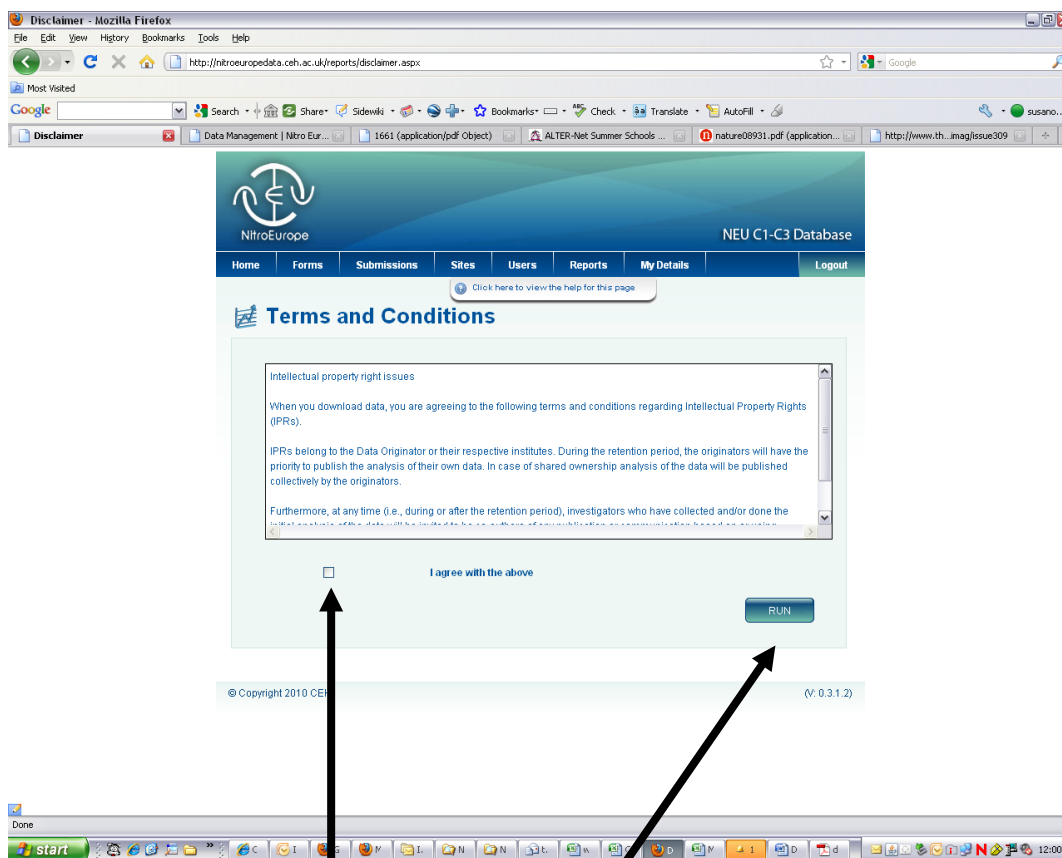
(1) Fill in the date range you need here. If you want to see all time series data, it's a good idea to type a very early date in the first box (eg 01/01/1900)

OR (2b): You can select an ecosystem type. Be sure to click the "Type" button, and then highlight an ecosystem(s)

(2a) Select the required site(s) (hold down ctrl to make multiple selections).

(3): Click "RUN"





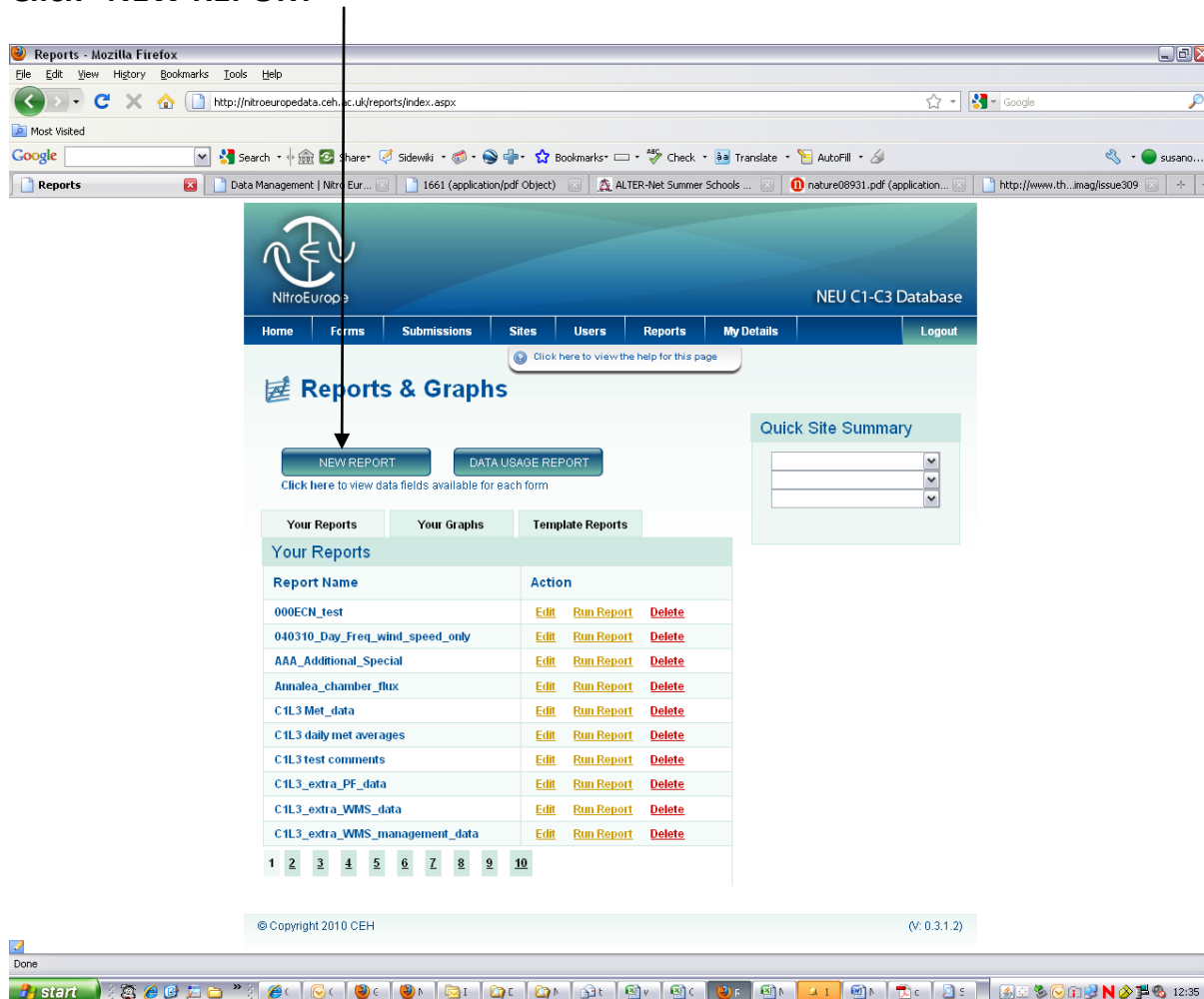
The IPR information appears. Click the “Agree” box and then click “RUN”

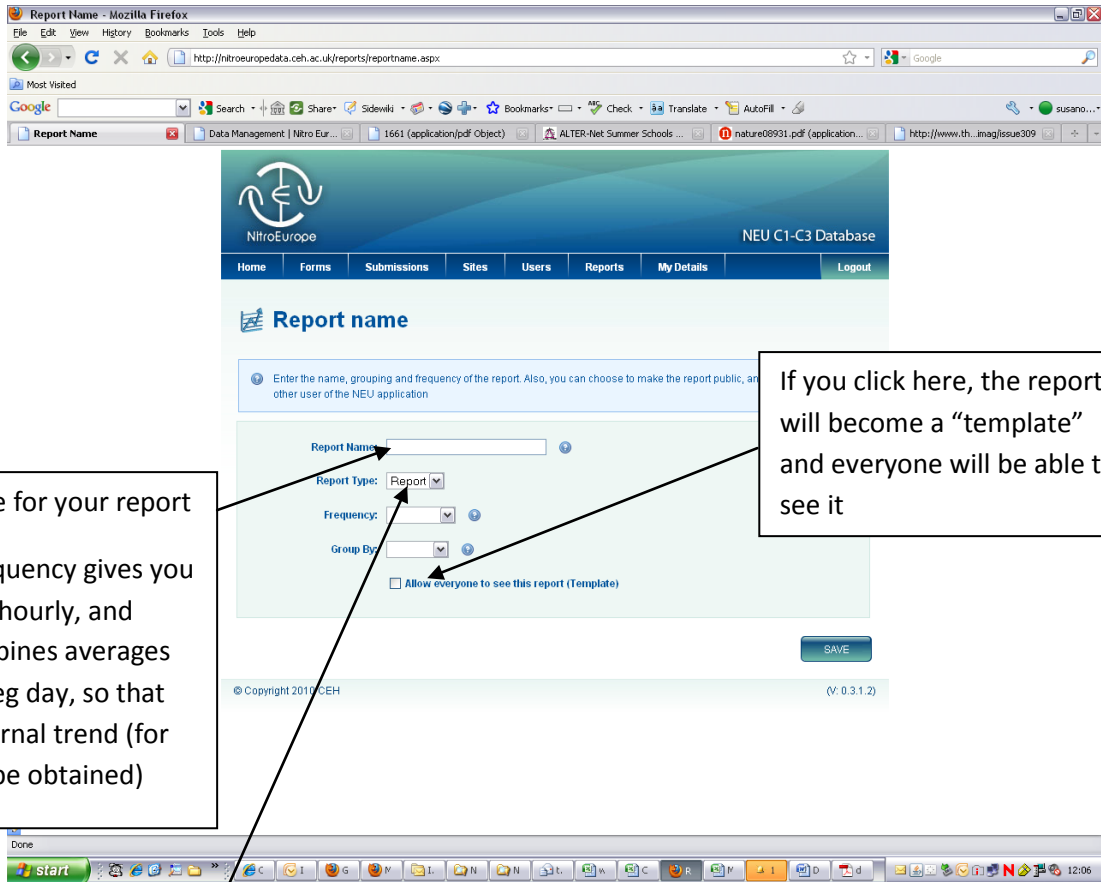
Your report will appear on the screen. There is a “DOWNLOAD” button to allow you to save the data in EXCEL. If you do this, an automatic message will be sent to all the PIs who own the data that you are downloading. This email will contain your name and email address so that can get in touch if they want to.

To create a new report

Click the "REPORTS" tab

Click "NEW REPORT"

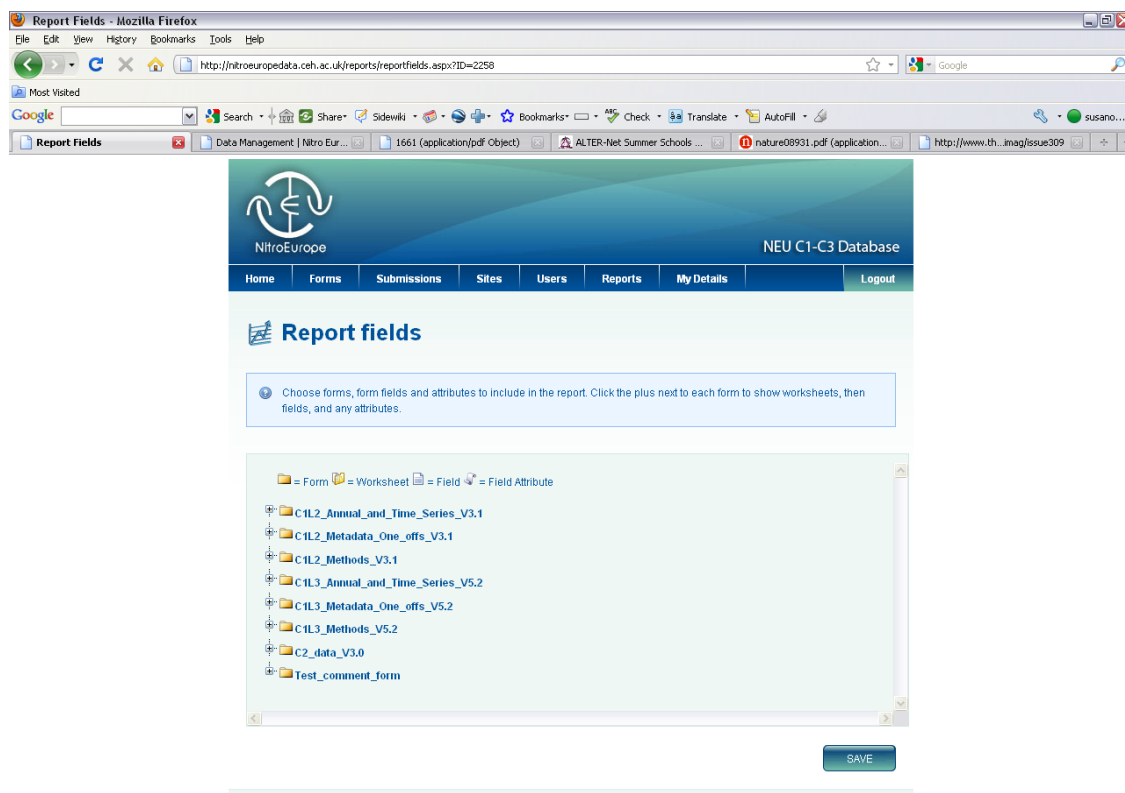




Type in a name for your report
 (Optional: Frequency gives you “averages” eg hourly, and Grouping combines averages over a period eg day, so that an average diurnal trend (for example) can be obtained)

If you click here, the report will become a “template” and everyone will be able to see it

Here, select “Report” (for the data) or “Graph” for an online graphic view..



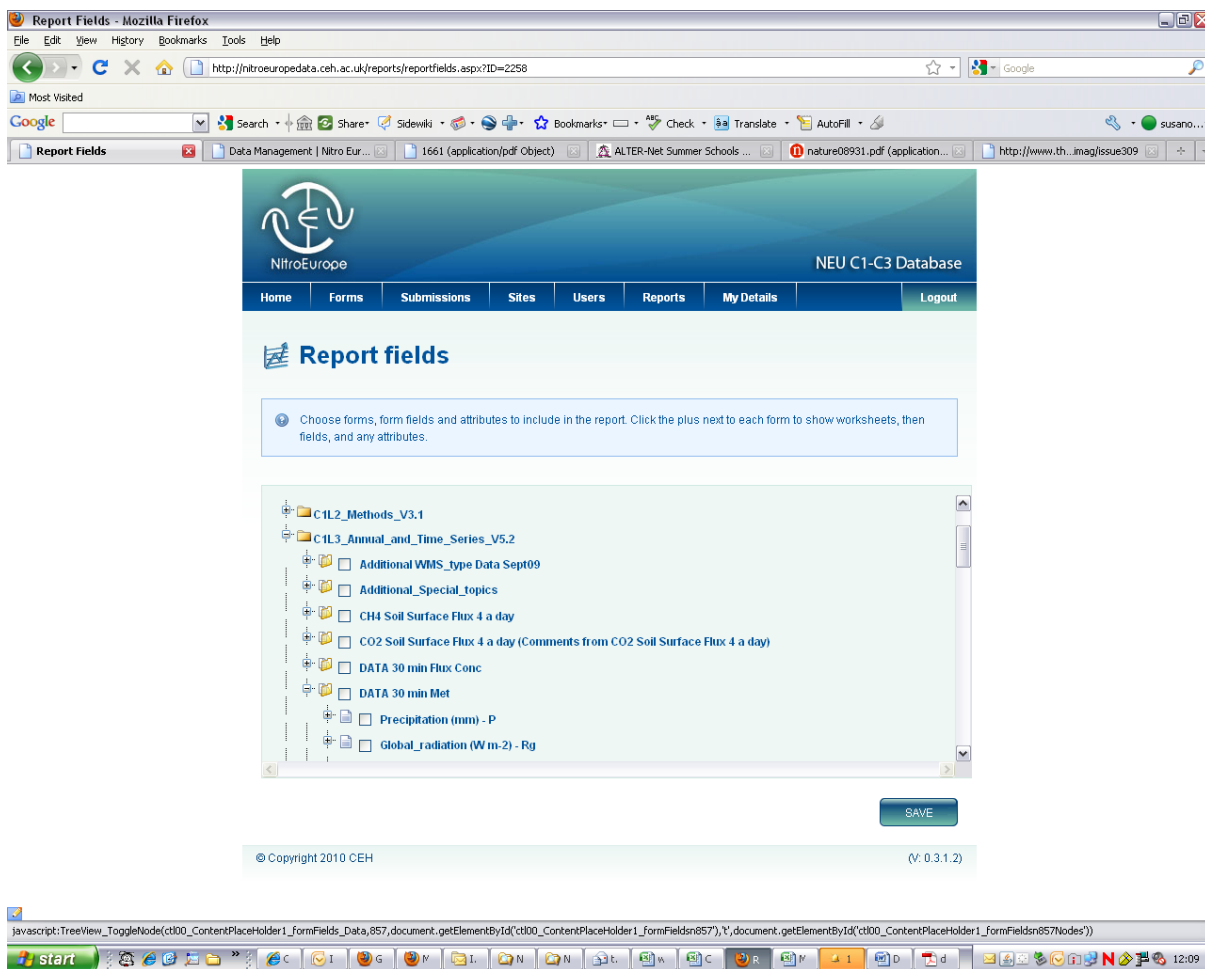
This window shows the list of forms available on the database.

They are named according to

- i) NEU component/activity (eg C1XXX means Activity XXX data for component 1)
- ii) type of data (eg “one-off”, or “time-series” etc)

Click against a form name to open up the list of “worksheets” it contains (The forms reflect the EXCEL data workbook that the field scientists completed to upload)

Clicking against a worksheet name opens up the list of data fields in that worksheet



Here you can see that the worksheet “DATA 30 min met” in form “C1L3_Annual_and_ Time_Series_V5.2” has been clicked and you can see the first meteorology data fields. Note the scroll bar on the right to reveal more data fields below.

Report Fields - Mozilla Firefox

http://nitroeuropedata.ceh.ac.uk/reports/reportfields.aspx?ID=2258

NEU C1-C3 Database

Home Forms Submissions Sites Users Reports My Details Logout

Report fields

Choose forms, form fields and attributes to include in the report. Click the plus next to each form to show worksheets, then fields, and any attributes.

- DATA 30 min Htux Conc
- DATA 30 min Met
 - Precipitation (mm) - P
 - Global_radiation (W m-2) - Rg
 - Global_radiation_flag
 - Outgoing_shortwave_radiation (W m-2) - Rr
 - Incoming_longwave_radiation (W m-2) - Lwin
 - Outgoing_longwave_radiation (W m-2) - Lwout
 - Net_radiation (W m-2) - Rn
 - PPFD_diffuse (umol Quanta m-2 s-1) - PPFDdif
 - PPFD_global (umol Quanta m-2 s-1) - PPFDtbl

SAVE

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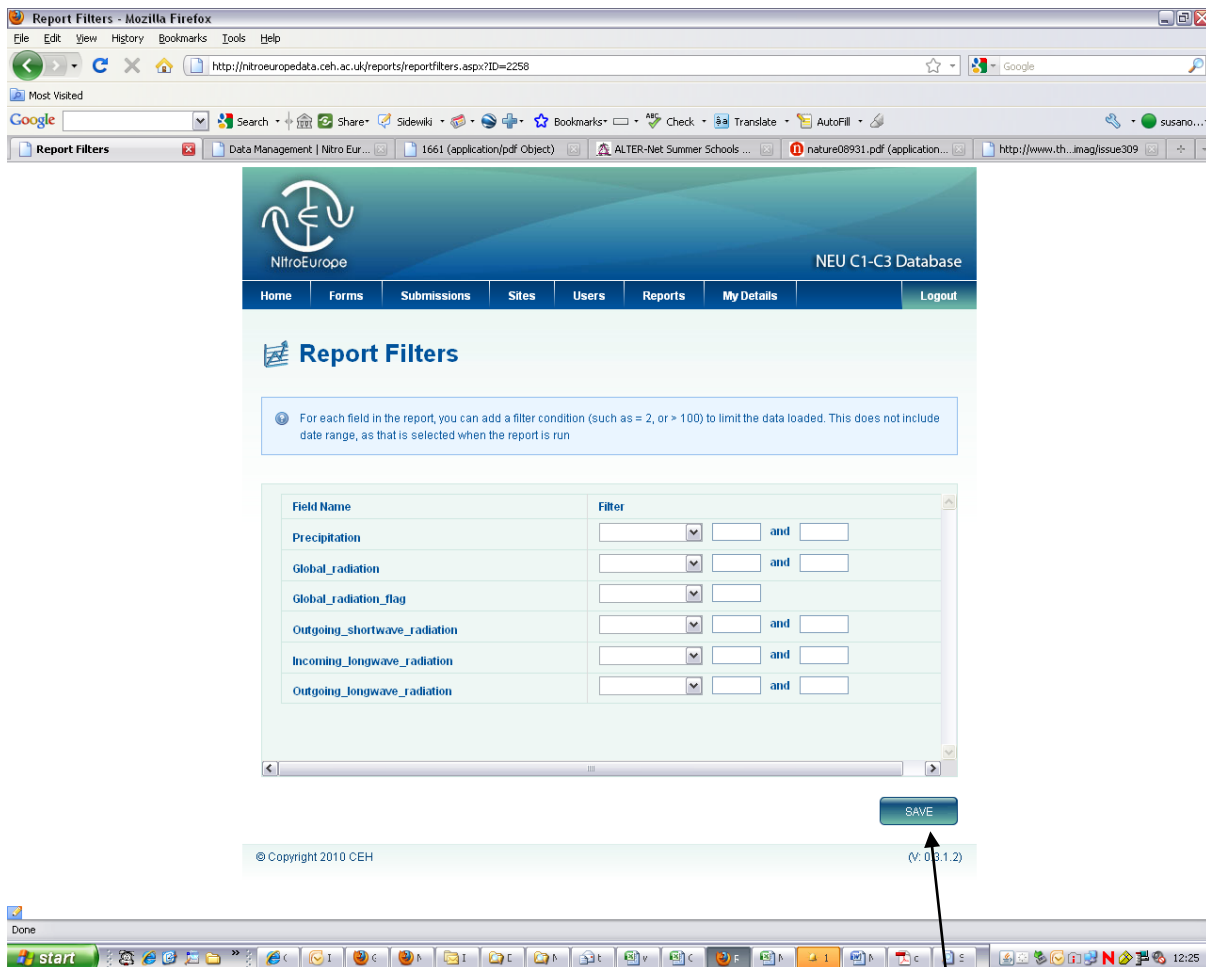
Scroll down to see more fields in this database form. Click against the fields you want data for.

Notice that you can sometimes click against fields to open up an “attribute” list (eg data flag, stdev.....)

You can select fields (and their attributes if you want) from more than one form

BE CAREFUL NOT TO SELECT TOO MANY FIELDS IN ONE REPORT or you will exceed the system capacity. It's easy to create 2 or 3 (or more) reports to get all the data you need.

Click “SAVE” when the report is complete



This screen allows you to set filters on the reported data. This is optional

Click "SAVE"

The screenshot shows a Mozilla Firefox browser window displaying the 'Report Summary' page for the 'NEU C1-C3 Database'. The page has a navigation menu with options: Home, Forms, Submissions, Sites, Users, Reports, My Details, and Logout. The main content area is titled 'Report Details' and contains the following information:

- Report Name** (edit): Sue Demo 210610
- Report Type**: Report
- Frequency**: Default
- Grouping**: None
- Public**: This report is private

Below this is the 'Report Fields' section (edit), which contains a table:

Form Name	Worksheet	Field Name	Attribute
C1L3_Annual_and_Time_Series_V5.2	DATA 30 min Met	Precipitation	
C1L3_Annual_and_Time_Series_V5.2	DATA 30 min Met	Global_radiation	

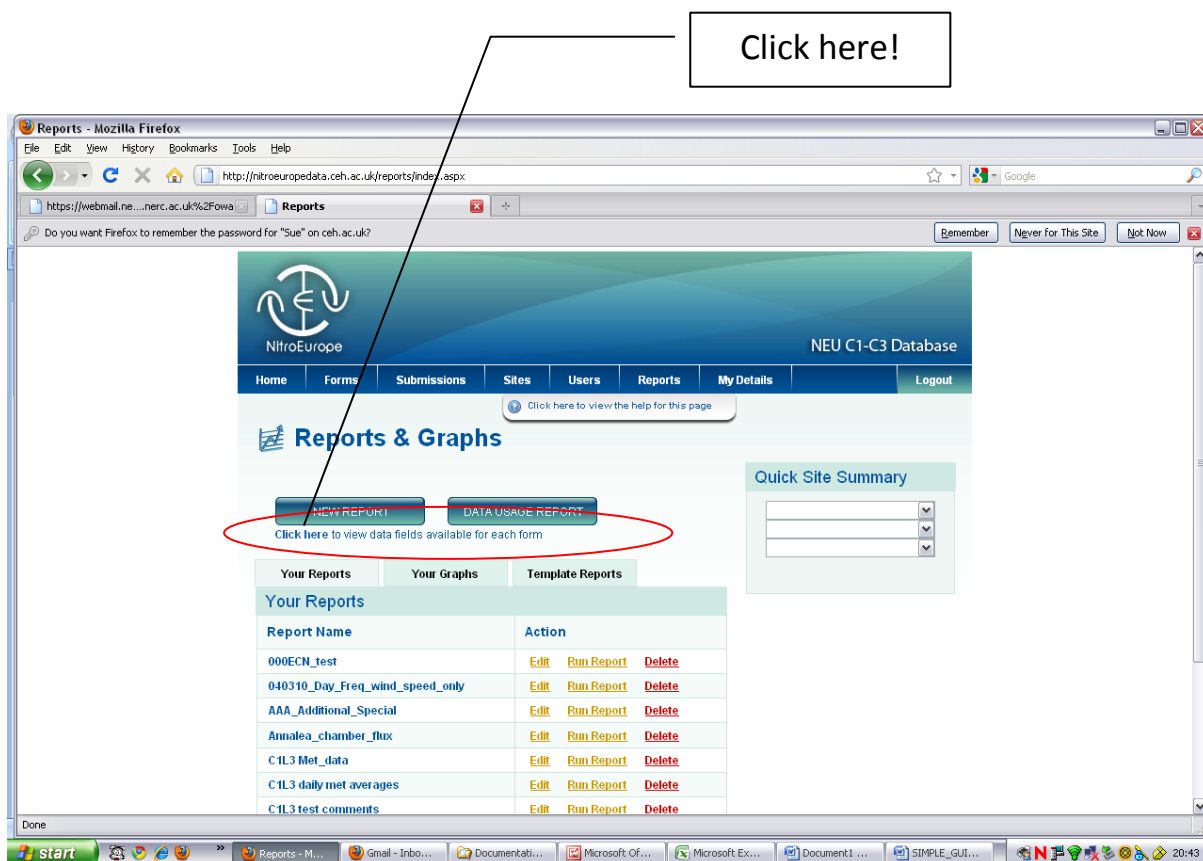
At the bottom is the 'Report Filters' section (edit), which states: 'This report has no filters.'

The report is now ready. Scroll down to click “DONE” or to “RUN REPORT”

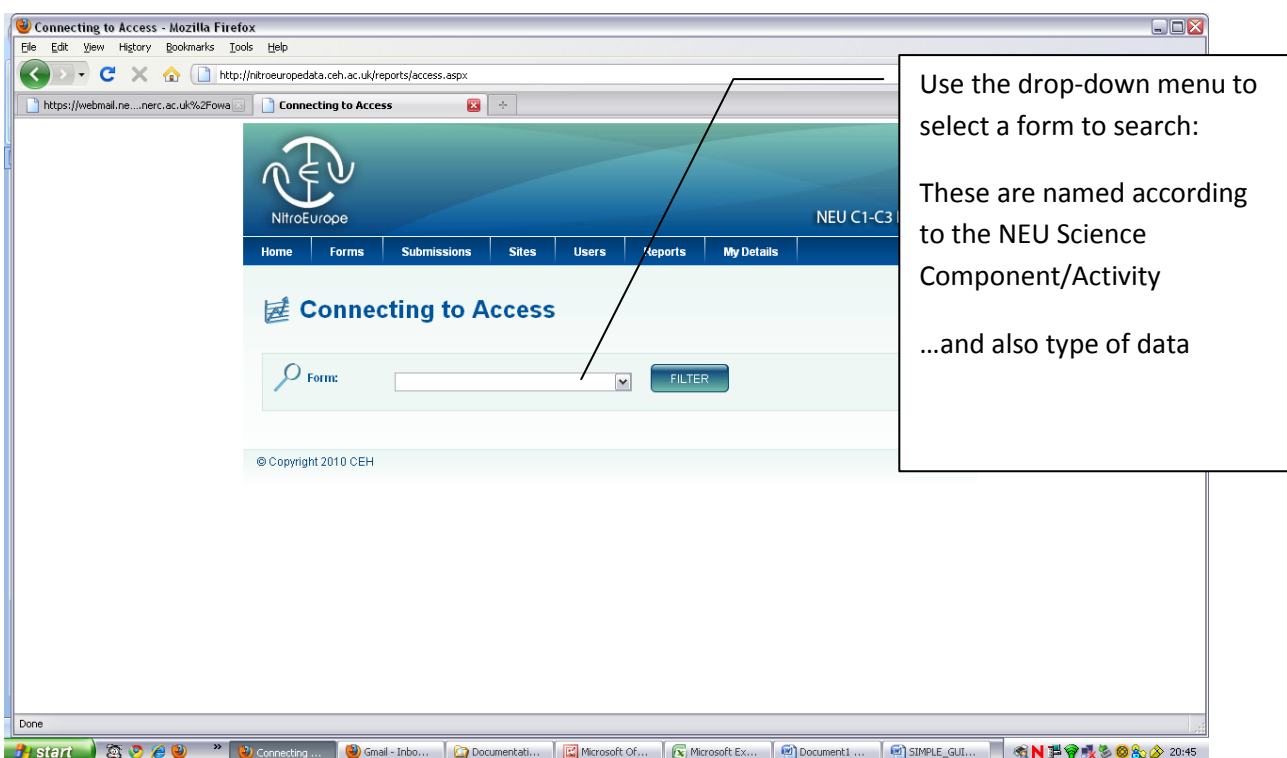
If you click “DONE”, the report will be listed in “YOUR REPORTS” or “TEMPLATE REPORTS” (if you specified that everyone could see it)

Note the small “Edit” links in each report section. Click these to change any details.

To find out which data fields are available for creating a report

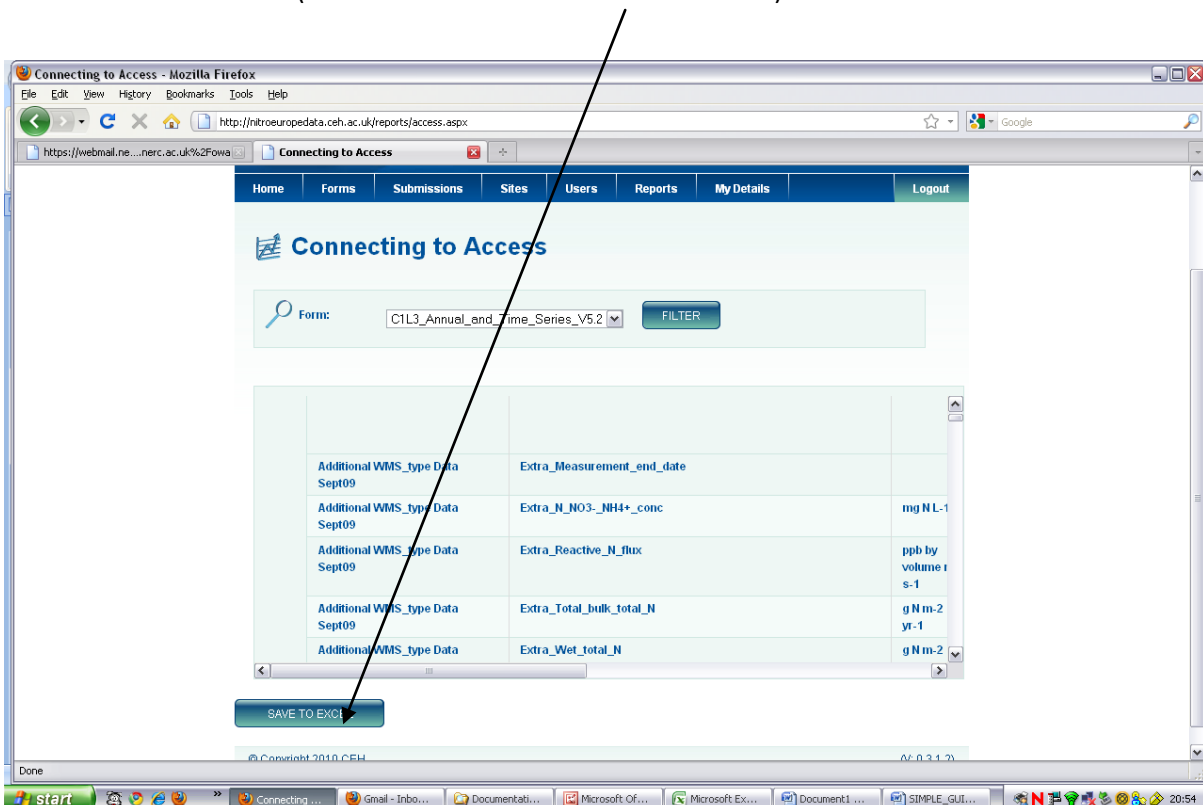


This leads to another window:





A window appears, with horizontal and vertical scroll bars. You can browse the contents of this window but it's easier to download to EXCEL, because there are a lot of data fields in the time series. So click "Save to EXCEL" (the button at the bottom left hand side)



This is what the downloaded EXCEL file looks like:

Scroll down the file to see the “worksheet” names in Column A

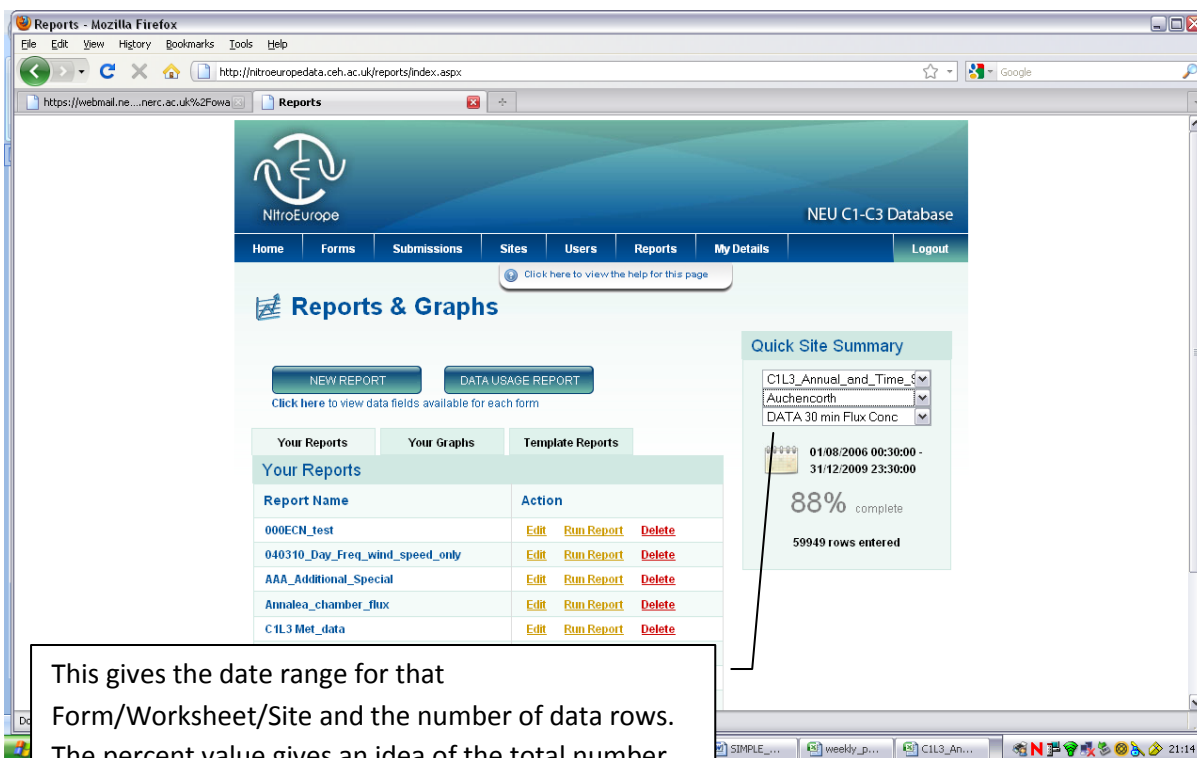
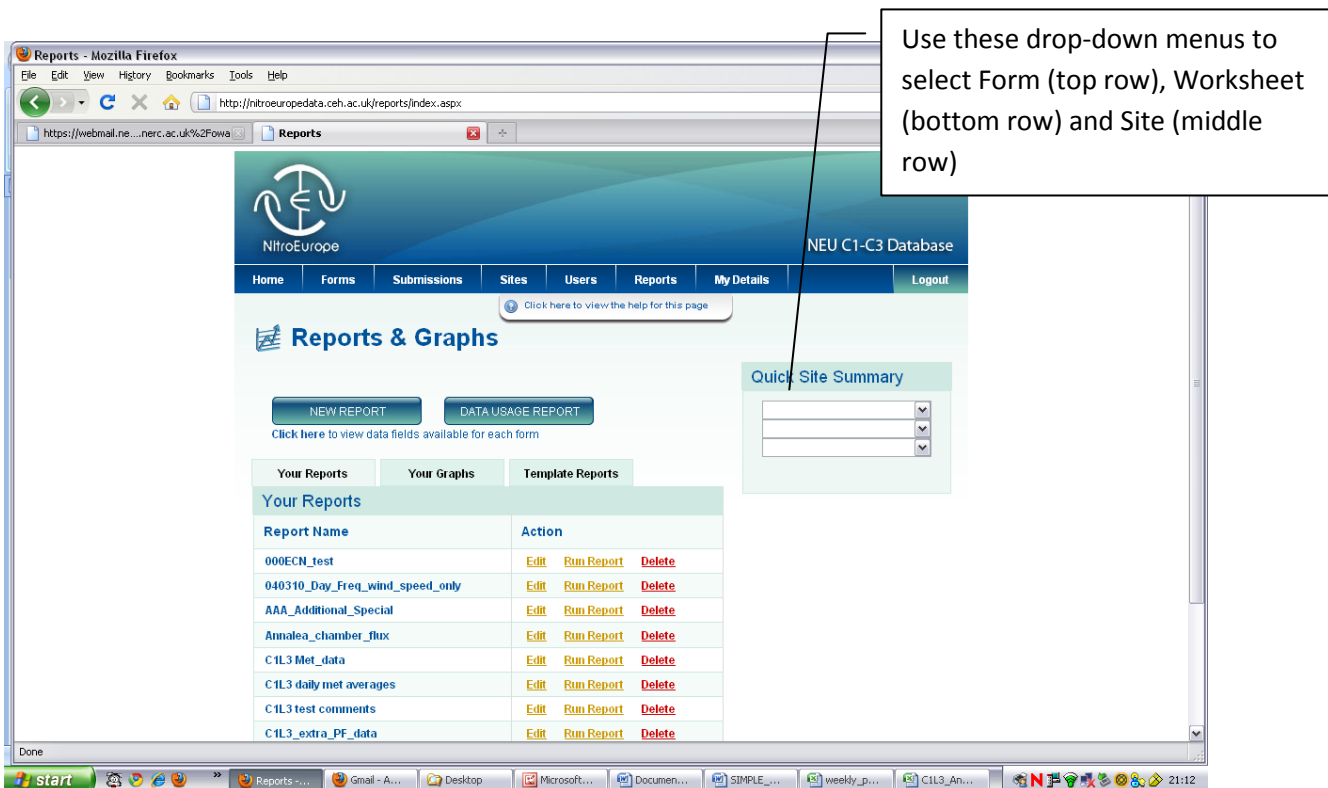
Worksheet	Field	Unit	Attribute	Description
Additional WMS_type Data Sept09	Extra_Measurement_end_date			
Additional WMS_type Data Sept09	Extra_N_NO3-_NH4+_conc	mg N L-1		
Additional WMS_type Data Sept09	Extra_Reactive_N_flux	ppb by volume m s-1		
Additional WMS_type Data Sept09	Extra_Total_bulk_total_N	g N m-2 yr-1		
Additional WMS_type Data Sept09	Extra_Wet_total_N	g N m-2 yr-1		
Additional WMS_type Data Sept09	Extra_Throughfall_total_N	g N m-2 yr-1		
Additional WMS_type Data Sept09	Extra_Stemflow_total_N	g N m-2 yr-1		
Additional WMS_type Data Sept09	Extra_Soil_NH4_depth3	mg NH4 L-1		
Additional WMS_type Data Sept09	Extra_Soil_NH4_depth4	mg NH4 L-1		
Additional WMS_type Data Sept09	Extra_Soil_NO3_depth3	mg NO3- L-1		
Additional WMS_type Data Sept09	Extra_Soil_NO3_depth4	mg NO3- L-1		
Additional WMS_type Data Sept09	Extra_Soil_Total_N_conc	mg N L-1		
Additional WMS_type Data Sept09	Extra_Soil_Total_N_depth2_conc	mg N L-1		
Additional WMS_type Data Sept09	Extra_Soil_Total_N_depth3_conc	mg N L-1		
Additional WMS_type Data Sept09	Extra_Soil_Total_N_depth4_conc	mg N L-1		
Additional WMS_type Data Sept09	Extra_Soil_Total_N_litter_humus_mass_based_conc	g N kg-1 dry soil		
Additional WMS_type Data Sept09	Extra_Soil_Total_N_depth2_mass_based_conc	g N kg-1 dry soil		
Additional_Special_topics	Additional_special_topics_end_date			
Additional_Special_topics	Additional_special_topics_NitricAcid	ng N m-3		

These are the data field names – for C1 activities, the names are descriptive. However, some field names are still not easily understood. A Guide to Data Fields will be available soon

-For C2, the names are coded – but there is a description column (E)

Browse the list of Data fields, make a note of the field-names and their worksheets for the data you want, and you can now design your report, as described in the first part of this guide.

To find out how much data are available for a site



This gives the date range for that Form/Worksheet/Site and the number of data rows. The percent value gives an idea of the total number of fields in the worksheet that contain any data at all