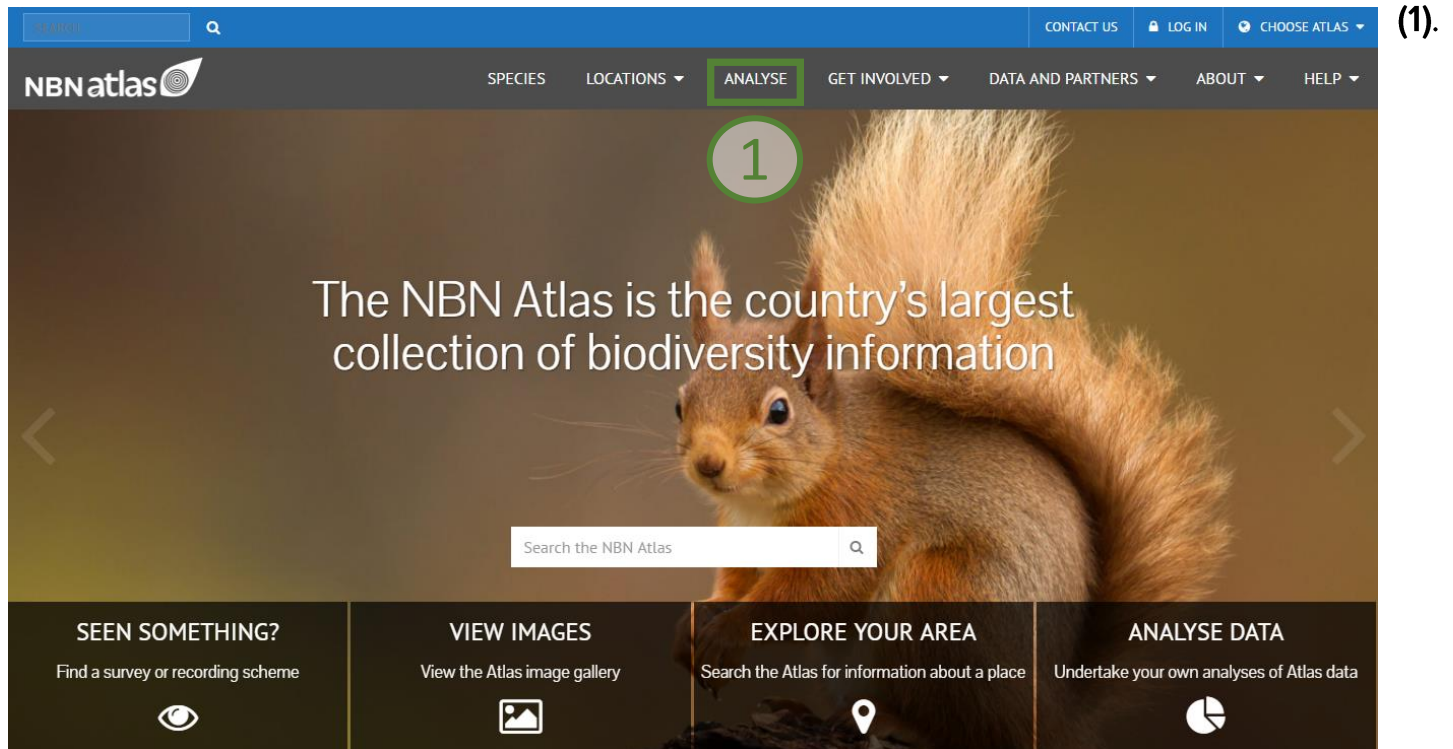


## NBN Atlas - Spatial Portal: Basic Functions

-the **Spatial Portal** will allow you to perform more complex analyses of species distribution data. To access the portal, click '**Analyse**' from the NBN Atlas homescreen (1).



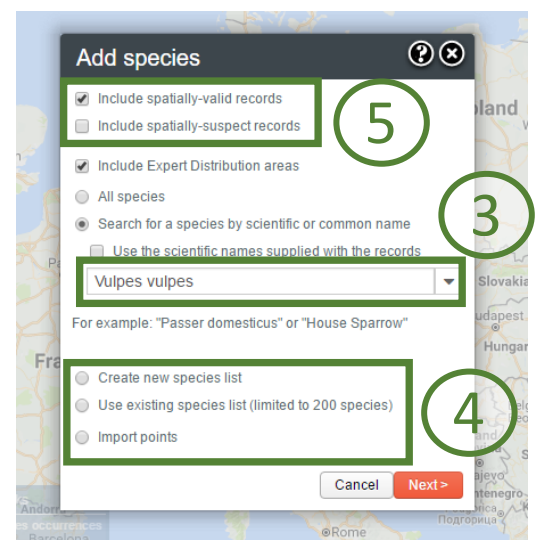
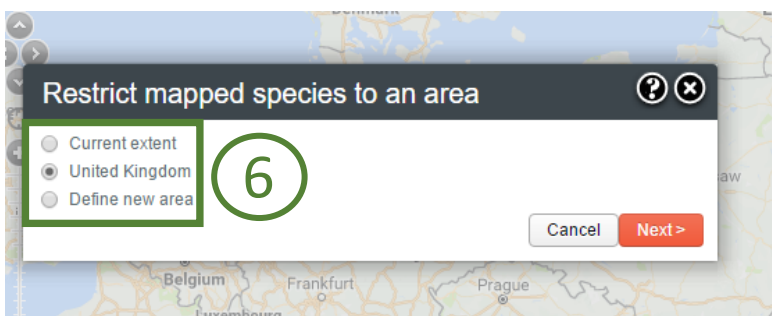
### Adding Species

-to look at a species in the portal, click '**Add to Map**' in the top left, then click '**Species**' (2).



-To add a single species to the map, enter the common or scientific name of the species you want to display (suggestions will appear as you type) (3). Options for displaying species lists are displayed at the bottom of the window (4). You can also toggle whether or not to show spatially-suspect records (5). Then click 'Next'.

-Select the area in which you would like to search. You can select 'Current Extent' to search the currently displayed area, 'United Kingdom', or 'Define New Area' to search a specific area. Click 'Next'.



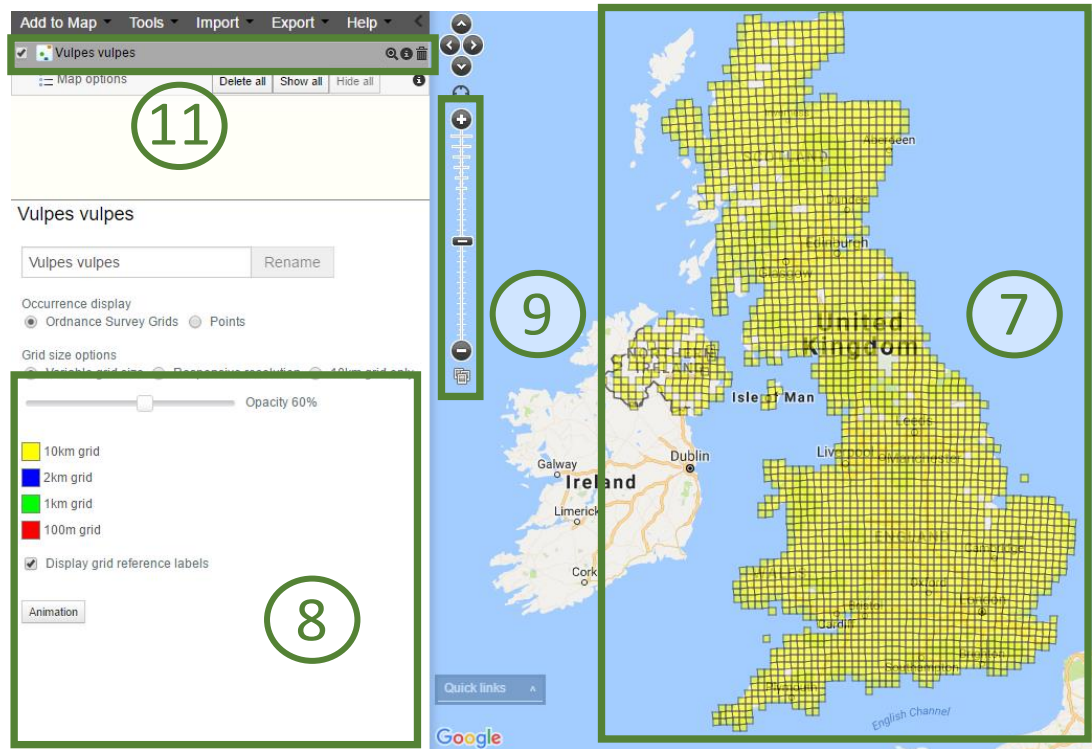
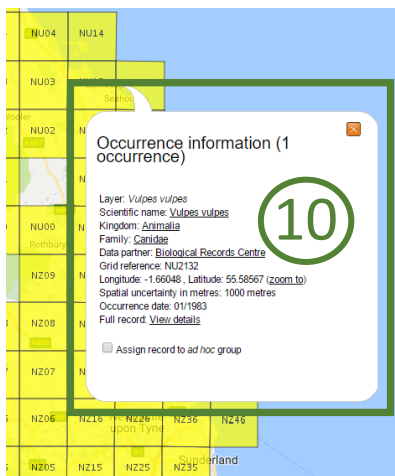
-When the records have loaded, they will by default be displayed on the map as OS grid squares (7).

-The panel on the left can be used to change the appearance of the records (8). You can choose between grids and points, and adjust the colour, size and opacity of records as desired.

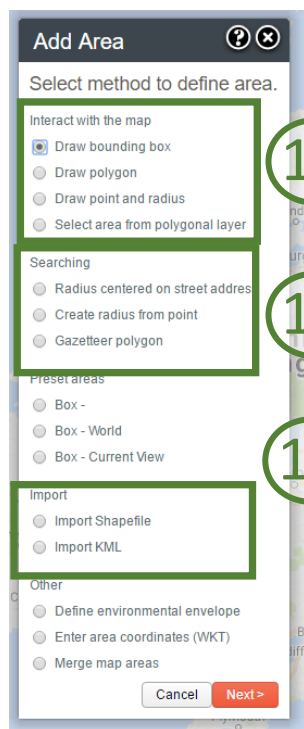
-use '+' and '-' buttons to zoom in or out, and the arrows to move around (9). You can also use the mouse to navigate the map.

-clicking on a point or grid square will display all records at that point (10). Click the arrows to look at the different records at that point. To learn more about a record, click 'View details'.

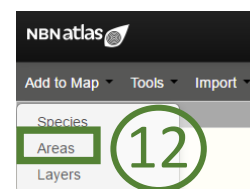
-Once a species has been added to the map, it is displayed in the top left (11).



## Areas



-To search for records within a specific area, click 'Add to Map', and select 'Areas' (12).



-There are many options for defining an area for searching for a species. Areas can be manually drawn (13), defined from an address (14) or imported from a Shapefile (15).

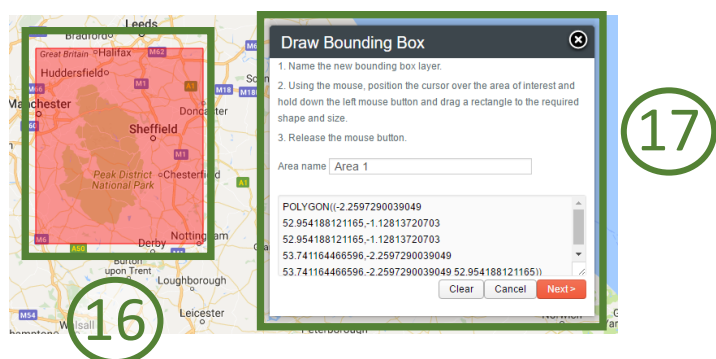
-By selecting one of the first three options, you can draw an area in the shape of a rectangle, circle, or manual polygon by clicking on the map (16). To learn how to use these tools, view the help page for **Viewing Species Information on a Map**.

-Name your drawn list by clicking on the text box that appears and clicking 'Next' (17). All defined areas will be listed in the top left window alongside the displayed species.

-The appearance of areas can also be changed by using the left panel as with the records.

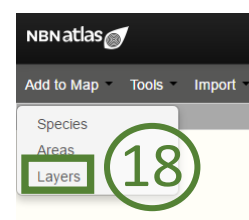
-Once you have defined a new area, you can use it when searching for a species as described above.

-To display records for multiple species simultaneously, simply repeat the steps for adding a species. All currently displayed species are listed in the top left window.

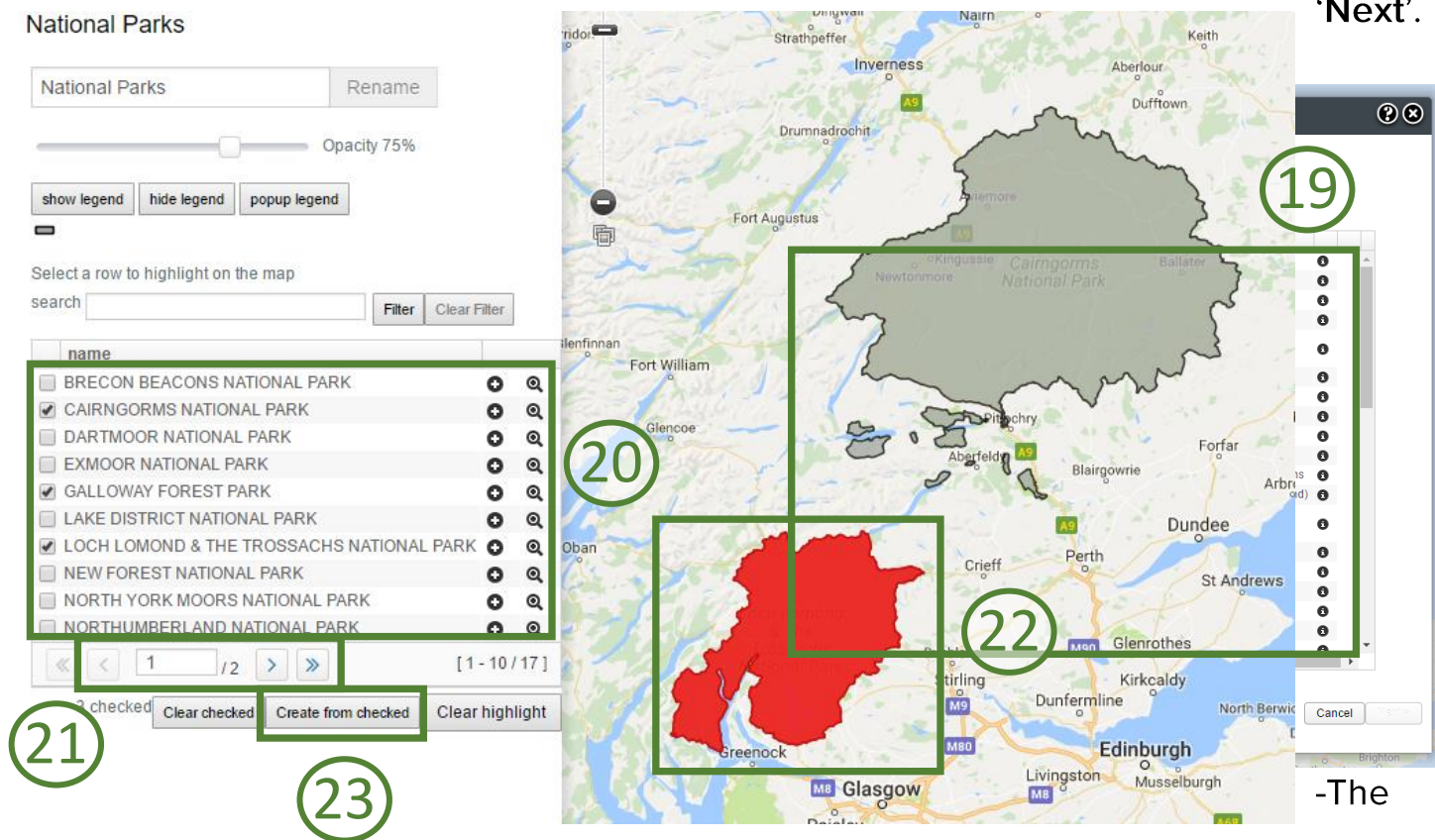


## Layers

-Searches for species records can be confined to specially designated areas like national parks, which are stored as 'layers'. To add a layer, click 'Add to Map' in the top left and select 'Layers' (18).



-You will be presented with a list of available layers (19). You can search this list using the search bar at the top of the window. Select which layers you wish to examine and click 'Next'.



selected layer will now be displayed on the map. Each layer is broken down into individual areas which can be viewed on the left (20). Use the arrows to scroll through all the areas comprising the layer (21).

-To pick out a specific area or combination of areas from a layer to use separately, click the tickboxes of the relevant areas from the list. As you select different areas, they will be highlighted on the map (22). Click 'Create from Checked' (23), and the areas will be listed alongside the layer in the top left window.

-The layer, and the areas selected from within the layer, can be used to perform species record searches, in the same way as searching within a drawn area.