

## Finding the distance of features from Catchment centres

Once you have Catchments added as a layer to your project there are several tools that are available within the **Catchments Panel** that allow further analysis to be carried out. The following instructions will give you a step-by-step guide on how to calculate the distance of features from the centres of Catchment areas using the **What's In My Catchments?** and **Calculate Distance** tools. This could be useful for example for calculating the distance from your depots of stores that you wish to service.

### Before you begin

Before you start using the Catchment analysis tools with your Catchment areas make sure that you have the data set up in a saved project. If you need assistance getting the data into SKiN please refer to the following sections:

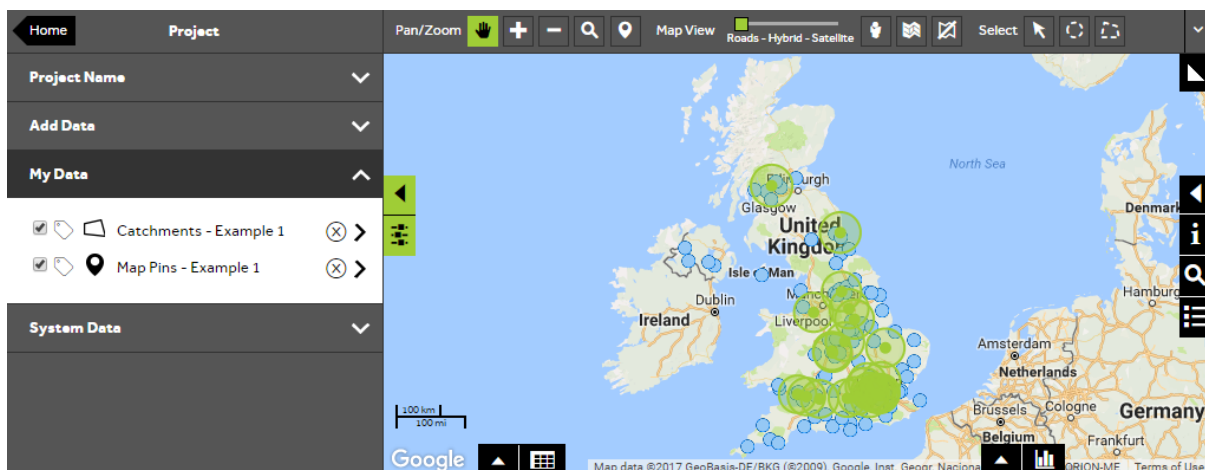
- Catchments Steps - Create Project
- Catchments Steps - Import Data
- Catchments Steps - Create Radial Catchments



1 of 6

### Access the Catchment layer tools

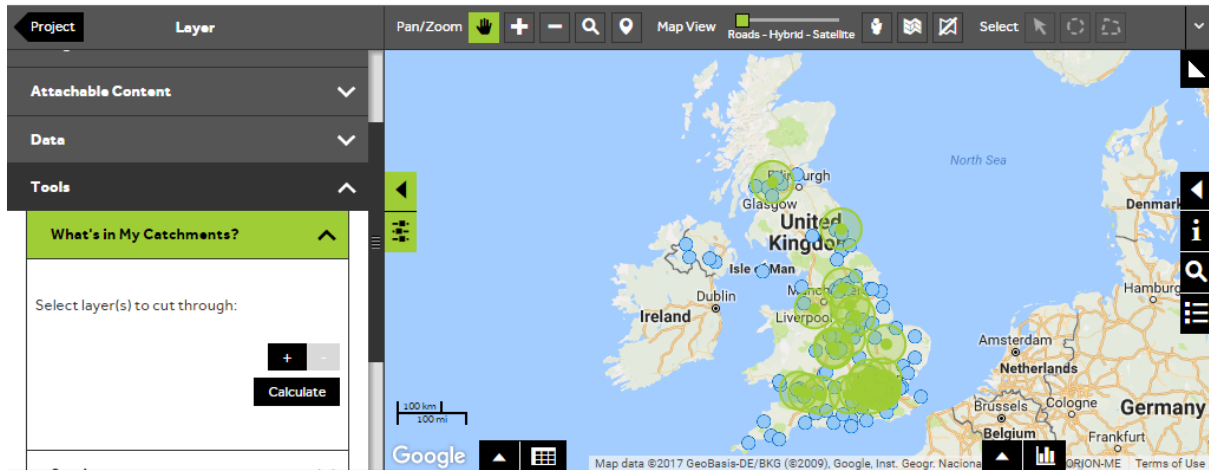
- To access the **Catchment Tools** to analyse your own Catchment layer, **Open an existing project** and then select **My Data**, click on the Catchment layer you wish to analyse. If you want to find out which of your own features fall into your Catchments you will need to have these setup as another layer in your project.



2 of 6

## Select the 'What's in My Catchments?' tool

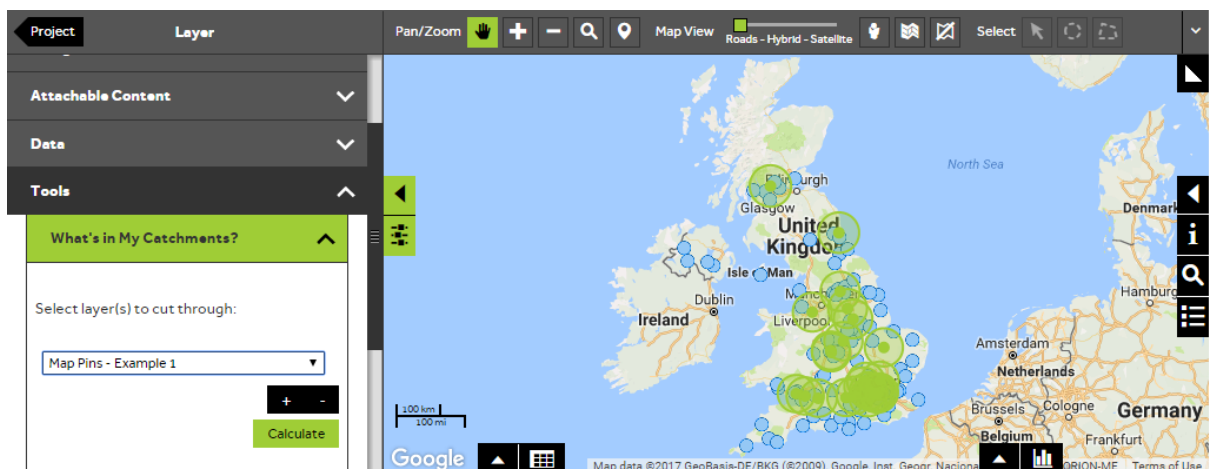
- Before you can calculate the distance of any features from the centre of your Catchments you need to find out which features fall into each of your Catchment areas. To do this you can run the 'What's in My Catchments?' tool. Open the **Tools** section and select **What's in My Catchments?**



3 of 6

## Select the layers to investigate

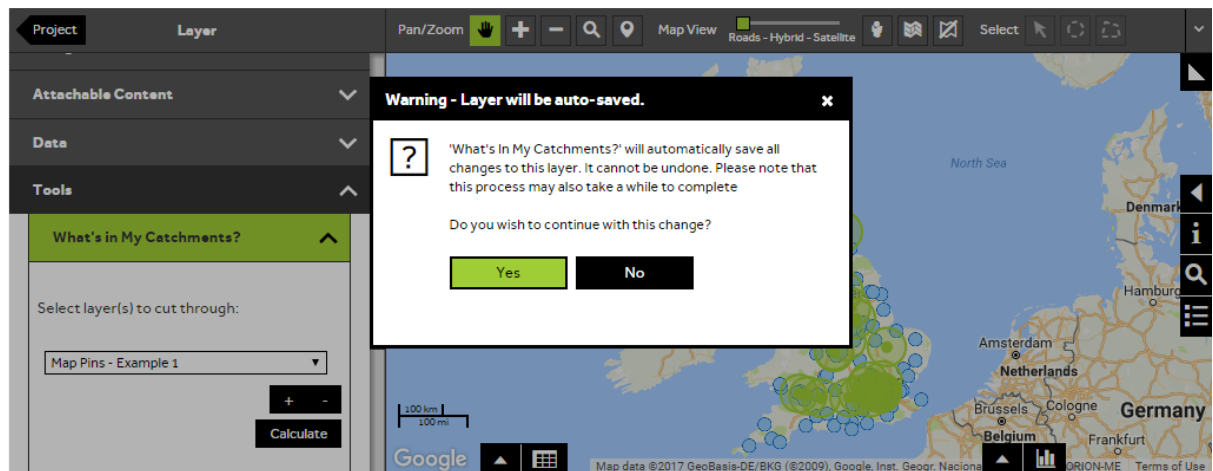
- Click on the dropdown box to select the layer that contains the features you want to investigate (for example your stores or a standard layer from the SKiN system). Once you have selected the required layer press **Calculate**.



4 of 6

## Run the 'What's in My Catchments?' process

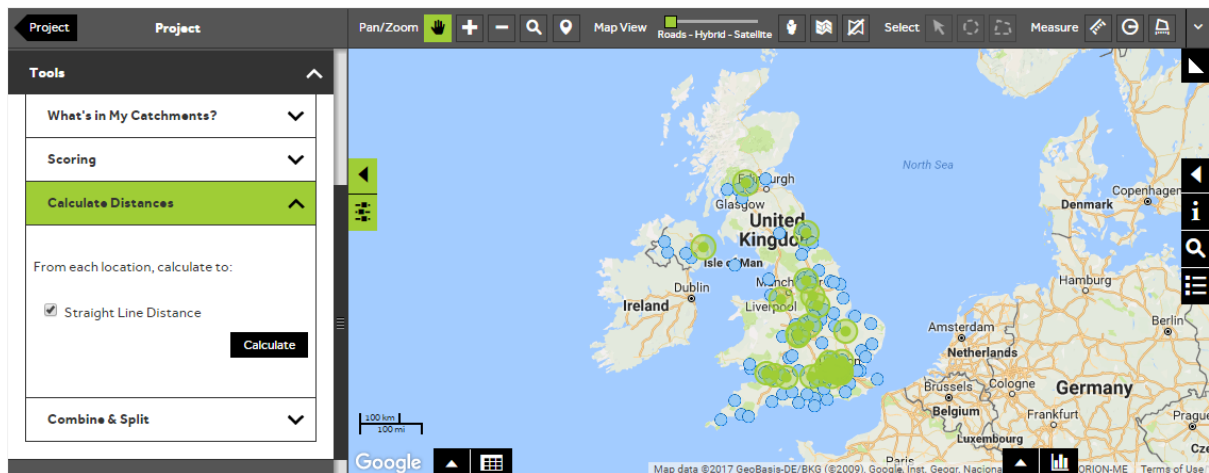
- A message will be shown to warn you that the process may take a while to complete and that the changes will be saved to the layer. Press **Yes** to continue. The system will use your Catchment areas to 'cut through' the layers you have selected and find out what falls within each Catchment.



5 of 6

## Access the Calculate Distances tool

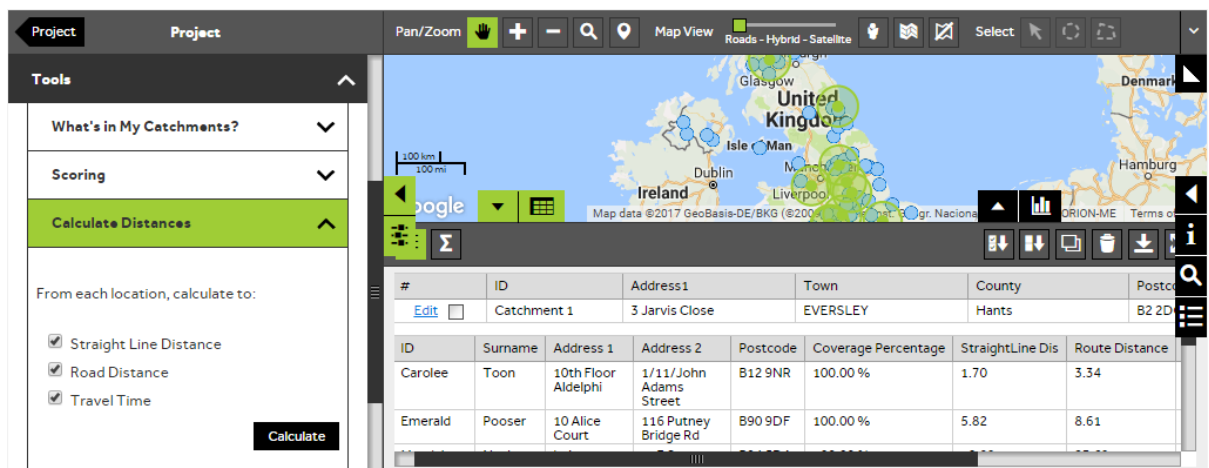
- To access the Calculate Distances tool, open the **Calculate Distances** section of the **Tools** panel. Tick the **Straight Line Distance** box which will mean that the system will calculate the shortest straight line distance from each feature to the centre of the Catchment that it falls into. Press **Calculate** to run the process.



6 of 6

## View the results of the calculate distance process

- To view the results, click on the **Data View** icon at the bottom left of the map which will open the data grid. You will see a list of all your Catchments and the data associated with them. To view which features fall into a Catchment, click on the **+** button which can be found on the left hand side of your Catchment's details. You will see a column showing the calculated distances for each of the distance types you selected. To close this detailed level, press the **-** button.



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## What do you want to do next?

You may wish to create a report or export the Data View to a file, please refer to the following sections for further assistance:

- Refer to: **Catchments Steps – Create Output - Report**
- Refer to: **Catchments Steps – Create Output - Export**
- Contact: **Geoplan Support**