

ISG-1.56: iShare GIS for Users



1. Introduction 2. Basic Functionality 2.1. Using the Navigation Tool 2.2. Collapsible docked windows 3. The Application Bar 4. The Profiles button 5. The Find button 5.1. Using Find Address 5.2. Using Find Nearest 5.3. Using Find Features 6. The Basemap button 7. The Layers button 8. Map Categories 9. The Information Browser 10. Searching in iShare GIS 11. The Print button 11.1. Printing to PDF 11.2. Printing to Image 12. The View button 13. Measuring 13.1. Measuring a distance 13.2. Calculating an area 14. Making a spatial selection 14.1. Using the Circle tool 14.2. Using the

#### An Astun Technology iShare Training Module

Code	ISG-1.56
Title	iShare GIS for Users
Description	Covers the web interface. Required for Administrators, can also be used by customers to train end users.
Required Software	iShare GIS 5.6.0 or later
Target Audience	iShare GIS users
Pre-requisites	None
Duration	.5 day
Version	1.0
Updated	28 Sep 2017
Updated by	Kim Stimpson
Status	Complete

Layer

16.3. Editing

**Annotation Features** 

Polygon tool

Layer

15. Filtering Features in a

16. Annotation Layers16.1. Create a NewAnnotation Layer16.2. Adding Featuresto your Annotation



## 1. Introduction

This module is aimed at end users of iShare GIS. It will demonstrate what you can see and do within the iShare GIS web application.

The URL for the application on Astun's standard training instances is http://localhost/iShareGISLIVE.Web/i Sharegis.aspx.



# 2. Basic Functionality

### 2.1. Using the Navigation Tool



The Navigation Tool zooms and scrolls by pre set units.

Have a go at moving around the map and zooming in and out.

There are also various mouse and keyboard shortcuts, for example:

- If you hold down the shift key you will be able to perform a marquee selection: click and drag to draw a rectangle to zoom into a particular area of the map.
- You can use the scroll bar on your mouse to zoom in and out.
- You can use the arrows on your keyboard to move around the map.



#### 2.2. Collapsible docked windows

If you have a look at the interface you will see a small arrow to the right of the **Map Categories** heading, and another at the bottom right hand side of the application window.

These can be used to Show or Hide the various windows to leave you with a smaller or larger Map window.

If you select the one at the bottom right hand side of the screen, it will display the Information Browser, but as we have not yet specified any information, it will not display any results for now.

## 3. The Application Bar

Select & Measure         View         Q         Search for layers         Go         Find         Print         Layers         Basemap         Profiles
---

The buttons on the Application Bar allow the map tools that are frequently used to be shown all the time. Click on a button to display a quick dialog, such as a drop-down selection with further buttons or links, or a full dialog for entering or selecting details.

The **Search** box allows you to search **Layers** and **Metadata**. The search **Results** will have a **Show metadata** link if metadata is found matching your search criteria, clicking this will display all of the metadata for the Layer.

## 4. The Profiles button

If you have access to more than one map source in Studio, you will see a **Profiles** button in the Application Bar. This allows the user to switch between different map sources. In our Workshop environment we have several profiles.

• Click on the Profiles button

	Basemap	Profiles
	)efault	
E	Education	
F	Planning	
Grounds Maintenance		
E	Elections	
C	Dutch	
0	Global	

The currently selected profile is shown in black (**Default** in the above example), with other available profiles in blue. Let's leave the **Default** Profile for now.

### 5. The Find button

The **Find** button will normally have a **Find Address** tab, and a **Find Nearest** or **Find Features** if these options have been configured.



### 5.1. Using Find Address

Let's use the **Find** button to find a specific address.

Postco	de/house numt	Der	Go
× Clear	search		

• With the **Find Address** tab selected enter "GU18 5QR" into the box and click **Go**.

		Find Address Find Features
0	Go	U18 5QR
		) MYRTLE CLOSE, LIGHTWATER, SURREY, GU18 5QR
Inse	Clos	<b>x</b> Show more results. <b>x</b> Close
	С	

Here you can see that one result has been returned.

• Select the entry, and the map will zoom to the address, which will be highlighted with a pin; you will also find that it zooms in as shown in the following screenshot.



### 5.2. Using Find Nearest



**Find Nearest** is used to find the features from the layers you have loaded which are nearest to the selected location. Before we can use this function we need to add a Layer that has this functionality configured.

- Make sure you are in the **Default** Profile.
- Select Layers

Layer Catalogue	Layer Cata	logue
+ Property	0/4 🗐 Here you can sel	ect which Lawer
+ Council and Democracy	1/6 Groups and Lay	ers you wish to be viewing in your map.
- Education and Learning	1/5	
Nursery Schools	initially the Laye displayed for sele	ection with the
N From DfE Edubase via ADS		already selected. t an entire Layer
Primary Schools	Group click the b	ox to the right of the ding beside the x/y
P From DfE Edubase via ADS	entry, where x is	the number of
Secondary Schools	<ul> <li>layers selected a number of layers</li> </ul>	
S From DfE Edubase via ADS	Layer Group.	
independent Schools	To display the La	
From DfE Edubase via ADS		up simply click on cription to expand or
Special Schools	collapse the entri	es. Once you have
SP From DfE Edubase via ADS	now select/desel	
+ NHS Chaices	0/5 C of the Layer nam	the box to the right e.
+ Transport	0/6 🗐 When you are ha	
+ Police.uk	0/2 Choices you need wish any new lay	a to decide if you ers selected to be
	automatically act This you can do	ivated (displayed).
	Show newly ad	ded layers on the m left of the dialog.
	Click Cancel to	return without
Show newly added layers on the map		Cancel Of

- Expand the Education and Learning entry and tick the box to display Primary Schools. Also tick the box Show newly added layers on the map and then click OK.
- Select the **Find > Find Nearest** tab.

Find Address Find Nearest Find Feat	ures
Primary Schools	•
Two results	•
1 mile	•
Close	Go

The first drop down list displays all the layers that have been configured to use **Find Nearest** functionality. The second list allows you to select the maximum number of results that you wish to be returned, and the third list sets the distance from your chosen location within which the search will be carried out.

• Select **Primary Schools** from the top list, **Two results** from the second, and **1 mile** from the third and click **Go**.





The two nearest Primary Schools are shown on the map, and the **Information Browser** opens, displaying details of the results with reference numbers corresponding to the map locations, numbered by distance from the selected location. The first few results are shown, with a **Next** button to display more if required. A t the same time, the Primary Schools layer is automatically switched on in the map.

• To clear your results click the Clear search results button on the Find Nearest dialog.

The numbers will be removed from the map and the results cleared from the **Information Browser** but the **Primary Schools** layer will remain visible.

#### 5.3. Using Find Features

Find Features allows you to search for features by entering all or part of their name.

- Select the **Find > Find Features** tab
- Select Primary Schools from the drop-down list
- Enter all or part of the name of the Primary School you want to find (if necessary, go back to the previous step to select a search string. For this workshop you can use 'lightwater'.)
- Click Go



IShare GIS Map Categories Annotations Please click here to add your first annotation layer. Council and Democracy I/I  Council and Democracy I/I  Council and Learning I/I  Council Annot II  Council Annot II	Re Silved		CONISTON C	492760, 162 492760, 162 49276
Education and Learning 1/1 🗟 K		Owner of the second sec	MERE ROAD	
Education and Learning 1/1 🖻 •				Con .
100 M				
		Alle May		WELESTOR FOR
P	imary Schools Primary Sch			
2	Name	o Capacity o	Type ¢ Admissions	s o Gender o
1	Lightwater Village School	180	Primary 5-7 yrs	Mixed

The features which match your search are shown on the map, in the same way as in **Find Nearest** in the previous step.

When you have finished searching just click on **Close** to close the **Find** dialog.

## 6. The Basemap button

This button is displayed if you have configured more than one base map layer. In the Workshop data we can switch between several base maps. A base map is the underlying map that is displayed as background to the layers that can be switched on and off using the Map Categories window. Only one base map can be shown at a time, and typical base maps include Aerial Photography, OS MasterMap, and OS Open.

• Click on the **Basemap** button.



The currently selected **Basemap** layer is the one in black (OS Premium in the above example), with the other available base maps shown in blue. This list may change depending upon the Profile you have picked as you can select which Base Maps are made available to a Map Source.

• Click on any of the other links to show a different base map.



## 7. The Layers button

The Layers button will display the Layer Catalogue, showing the list of layers are available to include in your map.

For this exercise we need to select the **Education** profile from the **Profiles** button. As this is the first time that the **Education** profile has been selected, there are no layers selected in the Map Categories window.

Layers are added either by selecting the **Layers** button, or by clicking on <u>layer catalogue</u> link under No layers selected in the Map Categories window.

As we have selected the **Education** profile, you will see the Layer Groups that have been configured for the Education map source.

Layer Catalogue		<u>^</u>
Layer Gatalogue	Layer Catalogue	3
+ Council and Democracy	0/1  Here you can select which	Laver
+ Education and Learning	0/5 Groups and Layers you v able to select for viewing i	wish to be
+ Office of National Statistics	0/2  Initially the Layer Groups	
+ Department for Education	0/1 0/	th the selected. re Layer in right of the ide the <b>x/y</b> ber of he total if for the sociated y click on o expand or e you have p you can dividual to the right your de if you cted to be isplayed). ing the <b>ers on the</b> the dialog.
Show newly added layers on the map	c	ancel OK

• Click on the plus sign beside the Layer Groups **Council and Democracy** and **Education and Learning**.

Now you can see the Layers that have been configured for each Layer Group.

You can either select an individual Layer or, if you click in the box for the Layer Group, all Layers for that Layer Group.

• For this exercise select both the Layer Groups, as shown in the following screenshot.



#### Layer Catalogue

- Council and Democracy	1/1 🛛	
Wards	Here you can select which I Groups and Layers you with	
From OS Boundaryline	able to select for viewing in	
- Education and Learning	Initially the Layer Groups a 5/5 🕑	the
Nursery Schools	currently enabled already se	
N From DfE Edubase via ADS	Group click the box to the ri Layer Group Heading beside	
Primary Schools	entry, where x is the number	rof
P From DfE Edubase via ADS	layers selected and <b>y</b> is the number of layers available fo	
Secondary Schools	Layer Group.	
S From DfE Edubase via ADS	To display the Layers asso	
ndependent Schools	with a Layer Group simply of Layer Group description to (	
From DfE Edubase via ADS	collapse the entries. Once y expanded the Layer Group	
Special Schools	now select/deselect an indiv	ridual
SP From DfE Edubase via ADS	layer by clicking the box to of the Layer name.	the right
Office of National Statistics	0/2 🗐 When you are happy with yo	
Department for Education	0/1 Choices you need to decide	
	automatically activated (dis; This you can do by clicking Show newly added layer: map at the bottom left of th	blayed). the s on the
Show newly added layers on the map	Can	cel O

If you want the newly added layers to be displayed on the map, click the **Show newly added layers on the map** check box at the bottom left of the dialogue.

• For this exercise we won't tick this box, simply click **OK** to add the layers to the Map Categories wind ow.

## 8. Map Categories

Once layers have been made available using the Layers button, you will see them as being available for selection.

• In the Map Categories window, click on the plus sign beside the Council and Democracy and Educati on and Learning Layer Groups



The available individual layers for the Layer Group are listed.

• Expand the Education and Learning Layer Group and then click on the small arrow beside the Prim ary Schools layer.

This displays the **Actions** available for the Layer (you can also do this for a Layer Group)



🗖 🗆 🔍 🕦 🖣

Primary Schools

Depending upon how the layer has been configured, you will see one or more of the following **Actions** icon s:

	Remove Layer (or Layer Group) from list
✓	Check to show results for the layer (for example you may want to display the layer on the map but not return results when selecting or searching)
0	Find Nearest (equivalent to using the Find > Find Nearest dialogue)
	Display the Metadata for the Layer
Y	Edit the Filters for a Layer
	Remove all filters from the Layer
	Edit the Features of the Layer

• Check the box beside the Council and Democracy Layer Group and zoom out a little



The Wards are displayed on the map with blue boundaries. Notice also that the Map Categories window now includes a legend for each displayed layer.

• Click on the map inside any one of the Ward boundaries.



Wards	3	^
<b>"⊡</b> ▲	Name \$	
<u>1</u>	Lightwater Ward	

The Ward name is displayed in the Information Browser.

• Check the box beside the Education and Learning Layer Group

All the schools layers are displayed on the map.

• Now click on one of the school icons

Prima	ry Schools Wards						~
,⊡ ▲	Name	\$ Capacity	\$ Туре	¢	Admissions	\$ Gender	\$
<u>1</u>	Holy Trinity CofE Primary School	420	Primary		4-11 yrs	Mixed	

The name and details of the school are shown in the Information Browser on the **Primary Schools** tab. In the **Wards** tab, the name of the Ward in which the school is located is now shown. This is because when you click on the map, all open layers are queried, and the results for each layer shown in that layer's tab.

## 9. The Information Browser

As you have seen, the Information Browser shows details of the features selected in the map. An explanation of of the different parts of the Information Browser window is below, with the numbers corresponding to the red number in the screenshot.

Specia	al Schools Independent Schools Secondary Sc	hools Primar	y Schools	Wards 1		2
<u>م</u>	Name 4 ≎	Capacity :	у Туре	Admissions	≎ Gender	٥
<b>3</b> 1	Knaphill School	360	Primary	7-11 yrs	Mixed	
2	The Knaphill Lower School	270	Primary	3-7 yrs	Mixed	
3	Holy Trinity CofE Primary School	420	Primary	4-11 yrs	Mixed	
<u>4</u>	Bisley CofE Primary School	420	Primary	4-11 yrs	Mixed	
5	Valley End CofE Infant School	180	Primary	5-7 yrs	Mixed	
6	St Lawrence CofE (Aided) Primary School	210	Primary	4-11 yrs	Mixed	
5 (	6					
	Filter 7 Showing 1 to 6 of 20		8	First Previous 1	2 3 Next La	st

- 1. The Tabs show the layers which included features in the defined selection area
- 2. The Show / Hide arrows open and close the Information Browser
- 3. The Popup No matches the number shown on the map for the feature
- 4. The Sort sequence button sorts the features by the column selected
- 5. The Save button allows you to save the data in the currently-displayed selected tab to either a Comma Separated Values (CSV) text file or Microsoft Excel (XLS) format
- 6. The Filter the layer with these results button allows you to create a Spatial Filter for the Layer with the results.
- 7. The Filter field allows you to filter the features in the current tab by entering a string, which searches all fields
- 8. The Pagination buttons allow you to navigate to more features if they are not all shown on the tabs

Note: You will be able to create filters using selected geographical areas further on in this workshop, when we use the **Select & Measure** tools.



## 10. Searching in iShare GIS

In the middle of the Application Bar you will see a **Search for layers** box. Enter "primary school" and click **Go**.

<u>Education</u> <u>Primary School Class</u> <u>Sizes</u>	
Title Primary School Class Sizes	
Abstract Primary school class size estimates	
Layer Abstract	
Keywords	
Source View metadata source	
Show more	
Primary Schools	<del>4</del>

If the Layer is not currently being displayed in the Map Categories (or on the map) then you will see a

green box with a plus <sup>1</sup>. This means that you may click on the entry to add the Layer to the Map Categories and display it on the map.

If the plus is greyed out (see Primary Schools in the screenshot) then this Layer is already being displayed.

**Profiles** to which you have authority, but are not in the Profile currently being displayed, will show an arrow

. This means that you can select to switch to this Profile and add the selected Layer to the map.

For **Layers** which have Metadata associated with them you will see a **Show more** link. Click on the link to display the additional metadata. Click on the **Hide more** link to display less information.





If you click on the Extent link it will zoom the map to these extents e.g.



If the Metadata has come from GeoNetwork then you will see a **View metadata source** link, which when clicked on, will take you to the **GeoNetwork**.

## 11. The Print button

The Print button will print your current map, either as a PDF file or as an image.

First prepare the map that you wish to print.

- From the **Basemap** button select the **OS OpenData** option.
- Hold down the Shift key and click and drag with the mouse to draw a marquee select area around our selected address (GU18 5QR), then click and drag to move the map so that our address is near the centre of the map.



### 11.1. Printing to PDF

• Now select **Print** > **PDF** from the Application Bar.

At the top of the window you can:

• Select from the list of available print Templates e.g. A3-landscape



• Change the scale of the map by using the **Scale** dropdown or entering the scale in the field to the right of it



- Select if you wish to include the Legend by ticking **Display legend?**
- Change the **Page Setup** by clicking on the icon at the top right of the window



	_
Page size: A3 (297mm x 420mm)	
Page orientation: landscape ▼	
Top margin (10 <u>mm</u> ):	
Right margin (10 <u>mm</u> ) :	
Bottom margin (10 <u>mm)</u> :	
Left margin (10 <u>mm</u> ):	

In the map itself, you can:

- Use the Navigation Tool to zoom in or out, or pan to a different area of the map
- Use the mouse to navigate the map in the same way as you would in the main iShare interface

At the bottom of the window you can:

• Change the title for the page by using the text box in the bottom left hand corner

1 Road
© Ordnance Survey. Data derived from OS OpenData
Enter map title
Scale: 1:7087
Printed on: 28/9/2017 at 11:08 AM by ishare

• See the legend for the currently displayed layers in the bottom right hand corner



	Wards
	📈 From OS Boundaryline
	Nursery Schools
	N From DfE Edubase via ADS
	Primary Schools
	🔎 📔 From DfE Edubase via ADS
	Secondary Schools
	S From DfE Edubase via ADS
	Independent Schools
	From DfE Edubase via ADS
	Special Schools
wn	SP From DfE Edubase via ADS
	ASTUN
	TECHNOLOGY
	© Astun Technology Ltd

- When you are happy with your layout, click the Generate PDF button at the top of the window
- Click **Close** on the Print window bottom right.

For instructions on creating your own print template, refer to the <u>Creating your own Print Template</u> topic in the iShare online help.

#### 11.2. Printing to Image

- Select **Print > Image** from the Application Bar
- Right-click on the image and Save Image As...
- Select a location and name for the image and click Save
- Close the window

### 12. The View button

The **View** button allows you to change the view of the map displayed in the window. The options are explained in the table below. Have a play with each of the buttons.

Back	This navigates back through your view history.
Forward	Goes to the the later view of the map. This is only available if you have previously clicked Bac ${\sf k}$



X,Y	Displays a dialogue window allowing you to set the Easting, Northing and Map Width
	View Q Search for
	Back Forward X,Y Zoom Link
	Easting 492717
	Northing 161685
	Map width 3330
	Cancel OK
Zoom	Turns on 'marquee zoom': click and drag a zoom box to the area you want to see in the map (you can also adjust the zoom by clicking the + / - keys on the keyboard, using a mouse wheel, or using the navigation tool).
Link	Select this to display a <b>Link</b> for the current map. Now you may <b>Copy</b> the URL to pass on to someone else to open iShare GIS with the same map Layers, Zoom level, map centre etc.

## 13. Measuring

#### 13.1. Measuring a distance

- Click on **Select & Measure** > **Line** in the Application Bar.
- Click once on the start location of the distance you want to measure.
- Click on any intermediate points on the track to be measured. Alternatively you can hold down the **Sh** ift Key then, holding down the left mouse button, move the mouse to freehand draw your Line.
- Double-click on the finish point.

The distance will be displayed in a tooltip in metres and feet as you click, and when you double-click to finish.

- If you are unhappy with the positioning of any of the nodes, drag them with the mouse to move them and the distance will be re-calculated.
- Add nodes by selecting and dragging the lighter nodes which appear between the main nodes.
- You can move the entire line by selecting the 'centre' node which appears off the line, and dragging it to another location.





• Click on the Delete button [x] (or on another Select & Measure option to start a new measurement) to remove the distance results from the map.

#### 13.2. Calculating an area

- Click on **Select & Measure** > **Polygon** in the Application Bar.
- Click points on the map to build an enclosed area (for example the four corners of a house), and double-click to finish. Alternatively you can hold down the **Shift** Key then, holding down the left mouse button, move the mouse to freehand draw your Polygon.

19 of 27

• As with the line tool, you can move nodes, add new nodes and move the entire polygon.





• Click on the Delete button [x] (or start a new area) to remove the area from the map.

### 14. Making a spatial selection

The **Select & Measure** tool allows you to select features from the map to be displayed in the **Information Browser** window by drawing Lines, Circles or Polygons. The results can be filtered and exported in the usual way. Note that these tools will select all features from all visible selectable layers, so ensure that only those which you are interested in are turned on.

#### 14.1. Using the Circle tool

Let's go back to the Default profile.

• Select **Default** from the **Profiles** button.

The available Layer Groups and layers in the Map Categories window changes.

• Now turn on the Education and Learning and Council and Democracy Layer Groups by clicking in the box beside the relevant Layer Group in the Map Categories window.

The layers will be displayed in the map window.

- Zoom out the map until you can see several schools displayed.
- Click **Select & Measure** > **Circle**, then click and drag on the map create a circle, starting where you want middle to be, until the circle is the radius that you require, then let go of the mouse button.





To manually set the radius of the circle, click on the link in the info box which displays the radius (if the link is not showing, click on the small information icon <sup>1</sup>



- To move the circle, click and drag on the node at the middle of the circle.
- To show the features within your circle in the Information Browser, click on the **Play** button **>** in the info box.

Specia	al Schools	Independent Schools	Secondary Schools	Primary So	hools	Wards				
,⊜ ⊾	Name 🗘			Capacity	\$	Туре	\$ Admissions	\$	Gender 🗧	¢
1	Bagshot Inf	187		Primary	5-7 yrs		Mixed			
2	Lorraine School			90		Primary	2-7 yrs		Mixed	
3	Heather Ridge Infant School			180		Primary	5-7 yrs		Mixed	
4	Prior Heath	Infant School		180		Primary	5-7 yrs		Mixed	
5	Crawley Rid	Crawley Ridge Infant School				Primary	5-7 yrs		Mixed	
<u>6</u>	Pine Ridge Infant and Nursery School			108		Primary	2-7 yrs		Mixed	
	Filter	Showing 1 to	6 of 12				First Pr	evious   1	2 Next Last	)

• You can filter your results further in the usual way by using the box at the bottom of the Information Browser

21 of 27



Speci	al Schools	Independent Schools	Seco	ndary Schools	Primar	y Schools	Wards	3				~
<u>م</u> ۵	Name		\$	Capacity	\$	Туре	\$	Admissions	\$	Gender	\$	
1	Bagshot Inf	fant School		187		Primary		5-7 yrs		Mixed		
	bagshot	Showing 1 to	o 1 of 1						First Prev	ious 1 Next	Last	

- To export your results, click the **Save** icon, pick your preferred output (CSV or Excel), and click **OK**.
- If the Layer is an OGC Layer then a "Filter the layer with these results" button will also be displayed. Click on the button and this will automatically create a **Spatial Filter** for the layer.
- Delete your selection by clicking on the <sup>III</sup>.

### 14.2. Using the Polygon tool

Create an area for selection in a similar way to the way you did when measuring an area, using **Select & Measure > Polygon** to draw a polygon on the map, double-clicking to finish. The same functions will be available as for **Circle > Select**.

- Draw a polygon, and display the results as you did for the previous exercise.
- When you have finished, delete your selection by clicking on the x.

## 15. Filtering Features in a Layer

Standard Layers (OGC not Classic) can be filtered by the user to show only a subset of the features. In this example we will filter the **Street Crimes** layer so that only certain crimes are shown. The layer can be found in the **Police.uk** Layer Group in the **Default** profile. We will filter on the Crime Incidents layer by crim e type so that we display only "Vehicle crime".



Use the Edit Filters tool to bring up the filter dialog.

	N Y
- Police.uk	1/2 🔽 🖣
Aggregated Street Crime	□ •
Crime Incidents	
Robberv	

Click Add condition and then select the Field, comparison type and the required criteria:

Queries for Crime Incidents						
Filters						
Crime Type						
Add condition	Ð					

The map window is redrawn to reflect the filtered view. Inspect a few of the objects by info click or select by area.

You will notice that the Crime Incidents layer is now underlined with a dotted line. This is to show that this layer has been filtered. If you hover over the Layer name the filter will be displayed e.g.

= Police.uk	1/2 💌 🖣
Aggregated Street Crime	□ •
Crime Incidents	X 🗸
Filters: crime_type is like "\ Shoplifting	/ehicle".

# 16. Annotation Layers

Sometimes referred to as 'red lining', this enables users to annotate a map with lines, polygons, points and text. The annotations are stored by iShare GIS and are displayed in their own layer over the top of all others. This annotation layer is persistent; if the user loads iShare GIS at a different time or in a different browser, then all annotations previously created will be visible.

Layer annotations require a user be authenticated. This is so that the annotation can be stored by iShare GIS against the user's authenticated name. Annotations are not stored in cookies, and if the user is unauthenticated (i.e. the web application is being used anonymously) then the annotations will not be available.

Users can create different annotation layers, and choose to keep them private or share them with other users.

Any annotation layers that you have created, or to which you have been given permission, will be displayed in Map Categories and the Layer Catalogue.

#### 16.1. Create a New Annotation Layer



If you have not created any annotation layers, or none have been shared for your use, there will be a message under Annotations with a link to adding your first layer.

iShare GIS		
Map Categories	: <	
– Annotations		
Please <u>click here</u> to add your first annotation layer.		
+ Council and Democracy	2/2 🗹 🔹	
+ Education and Learning	1/1 🗹 🔹	

Once you have added an Annotation layer then you can use the New layer link to create any further layers.

iShare Gl	S	
Show Map Catego	ries	<
– Annotations		
My Layer	•	□ •
✓ Z ○ ○ T ◊	New	layer

• Click on the <u>click here</u> link to add your first annotation layer.

Untitle	d35				
Default stylin		e defen defendenter			
Polygons	the following tools t	o define default stying.	Points		Text
User sharing Select users t		o share this layer. Also	select the 'write' access for each u	ISEK	
Select users t		o share this layer. Also	select the Write' access for each u	iser. Filter	Enter filter

The properties dialogue for the new layer is displayed.

• Give the annotation layer a Name by typing in the box at the top.

Now define the default styling for each geometry type you are going to be using in your layer. It is quicker to do this before adding layers, otherwise the default styling will be used.

• Click on the **Polygons** button.



Polygons	Lines
	Polygon Styling:
User sharir	Fill colour:
Select user	Border colour: 🔯 🖬 🖪 🔲 🔲 📰
🗆 Read	Border width (1) :
	Visibility (100) :
	Label Styling:
_	Colour:
	Border colour: 🔯 🗖 🧧 🗖 🗖 🔛
	Select font: Arial ▼
	Size (7) :

- Pick the defaults that you would like to use for any polygons in your annotation layer.
- For colours, either pick a colour from one of the preset colours, or click on the right- hand entry for a larger selection or hex specification.

The colour you have chosen will be shown on the right.

- Where there is a slider control, drag it to change the value.
- When you have finished, click outside the dialogue to close it.
- Now do the same with Lines, Points and Text. For points, you can pick from a number of preset symbols.

The **Properties** dialogue also allow you to define user sharing for your annotation layer. You can choose whether you want users to view (Read) the layer, or to edit (Write) the layer as well.

To give all the users in the list permissions, check the boxes beside the words **Read** and **Write**. To give selected users permission, check the boxes beside individual users.

Note: You will not be able to tick the Write box unless you have ticked the Read box.

- Decide what permissions you wish to set for your layer.
- Once you are happy with the properties you have set, click OK to update (or click Cancel to return without updating).

To return to the properties dialogue, click on the Actions button (the triangle to the right of the name) for

your layer and click \* to display the dialogue.

To delete the layer, click 🧧 from the Actions button.

#### 16.2. Adding Features to your Annotation Layer

Once you have set the defaults for your new annotation layer, you can add the required features. This is done by selecting the appropriate tool from the toolbar.

25 of 27



#### The tools are as follows:

$\sim$	Draw a line
$\square$	Draw a polygon
$\bigcirc$	Draw a circle
0	Add a point
Т	Add text
Q	Select an existing feature from the Layer

- Select *V* to add a Line feature.
- Click on the map to start the line, then move the mouse and click to change direction, double-clicking to finish.

The editing toolbar will be displayed for you to save, name, and define the properties of the line. Note that the line will by default have the properties defined in the previous step.



- For now, give your line feature a Name and click the **Save** icon.
- Now add a Polygon. Select the Polygon button and click on the map to set the first node, then keep clicking define the shape, double-clicking to finish.

Once again the editing toolbar will be displayed.

- Give the polygon a Name and click **Save**.
- Add a Circle feature and some Points.
- Select the Text button, and click where you want the text to appear.

A line will appear, which you can reshape as you would a line feature - this means that your text can be curved, or follow an existing feature such as a road.

• Add text in the box in the editing toolbar, then click **Save**.

#### **16.3. Editing Annotation Features**

To change the properties, shape, or position of an annotation feature, select it using the Select tool from the toolbar.

• Select the feature that you wish to edit.

The editing toolbar will be displayed, where you can change the name of the feature, delete it, or change the styling.

To reshape a feature, hover over a node and drag it to a new location. To move the entire feature, hover over the centre node and drag it.



• Have a go at reshaping your feature, and changing some of its properties.