



NATIONAL
DIGITAL TWIN
PROGRAMME



HM Government

Isle of Wight – Retrofit in Housing

User guide



I Contents

- User guide
- User troubleshooting





| User guide

This is a user guide to support users of the Isle of Wight: Retrofit in Housing pilot project taking place from January to March 2024.

This guide references the different features and functionality of the IRIS tool.

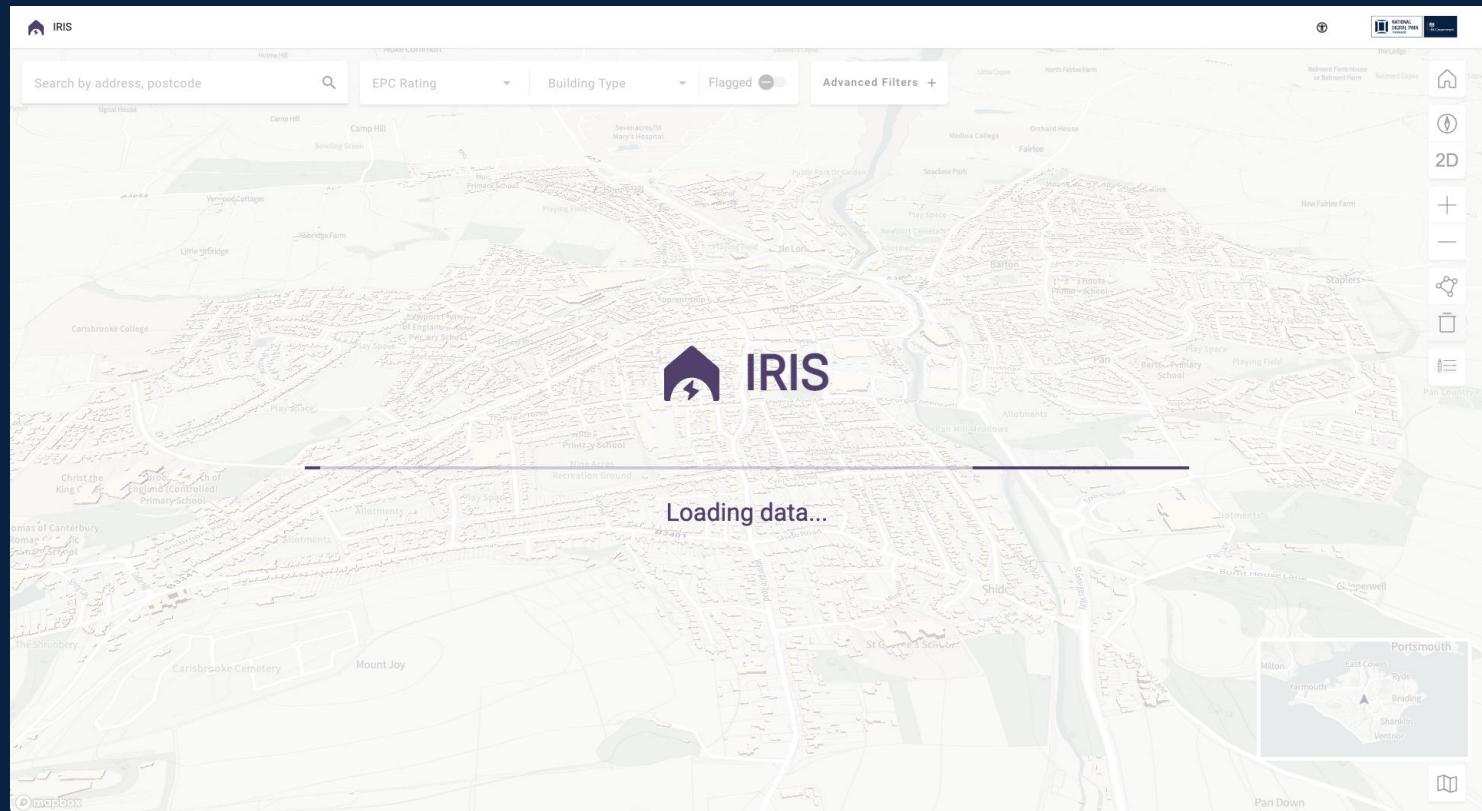


| Loading data

When logging into IRIS, the tool will take a few moments to load the data.

This is expected behaviour and should take about 15-30 seconds for the data to load and the map to show.

Please don't refresh when experiencing this short wait as it will re-start the process of loading data, taking longer for you to be able to access the map.



Identify buildings with EPC certificates

The 'EPC legend' (right-hand side) shows the EPC rating colours of the buildings and dwellings on the map.

A polka dot building represents a building that is made up of multiple dwellings. The polka dot shading and colour represents the average EPC rating of the dwelling within that building.



Identify buildings with EPC certificates

Clicking on an individual building or dwelling also shows its EPC rating and associated colour.

If an EPC rating has expired, clicking on an individual building or dwelling will display that the rating has expired.

The image displays two separate pop-up windows against a dark background, each showing details for a specific building.

Left Window (17 Cavendish Place):

- Address:** 17, Cavendish Place, Newport, PO30 5AE
- EPC Rating:** EPC: D (highlighted in yellow)
- Score:** 66.0
- Type:** House

Right Window (22G Carisbrooke Road):

- Address:** 22G, Carisbrooke Road, Newport, PO30 1BL
- EPC Rating:** Expired EPC: E (highlighted in orange)
- Score:** 51.0
- Type:** Flat
- Navigation:** Overview (underlined) and Flag

About Section (Right Window):

- Built form: No data
- Inspection date: Oct 18, 2011 (with a warning icon)
- UPRN: 100060753331

Map functionality overview

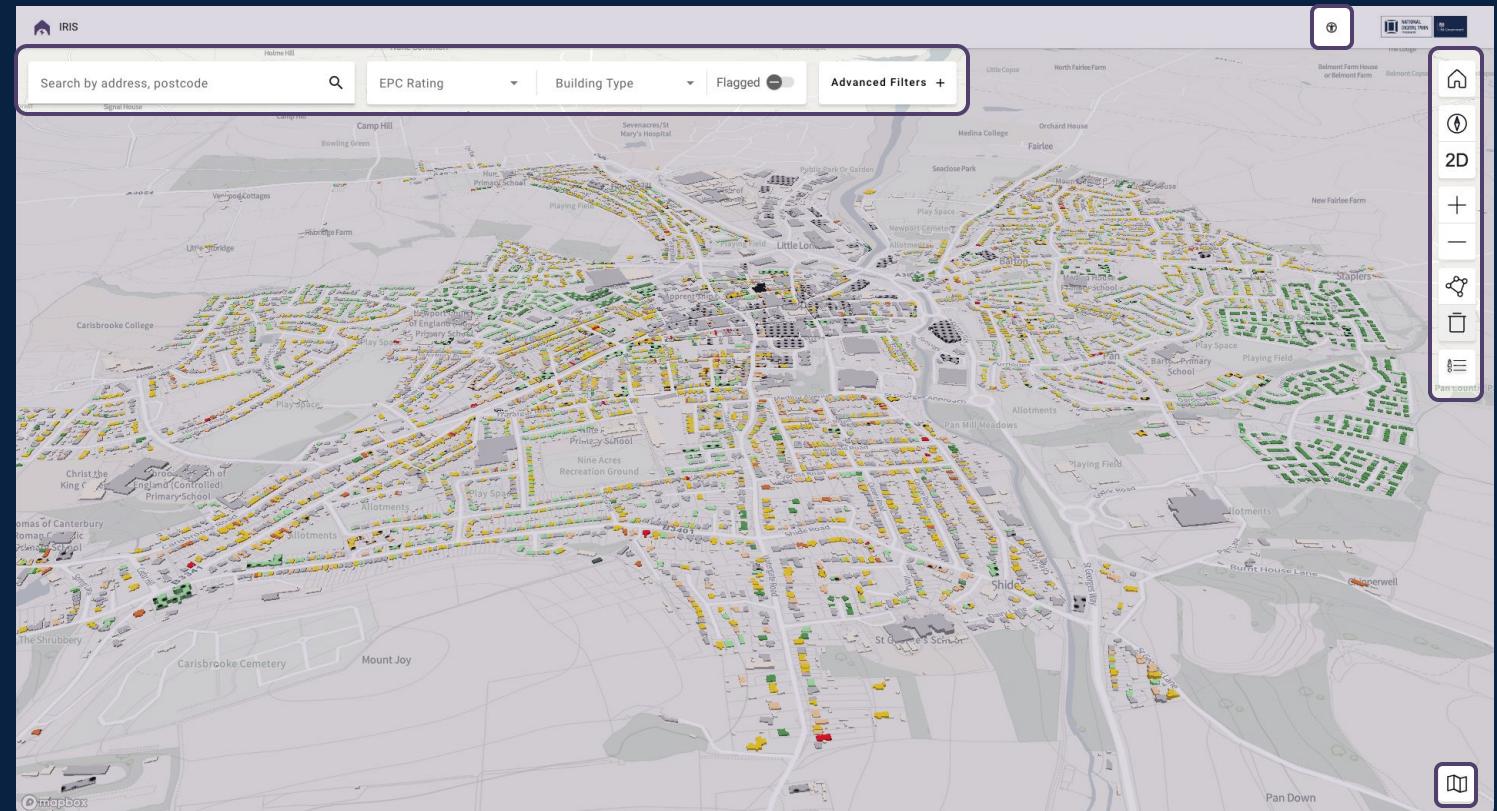
This is the overview of the map.

Searching and filtering functionality are positioned at the top of the screen.

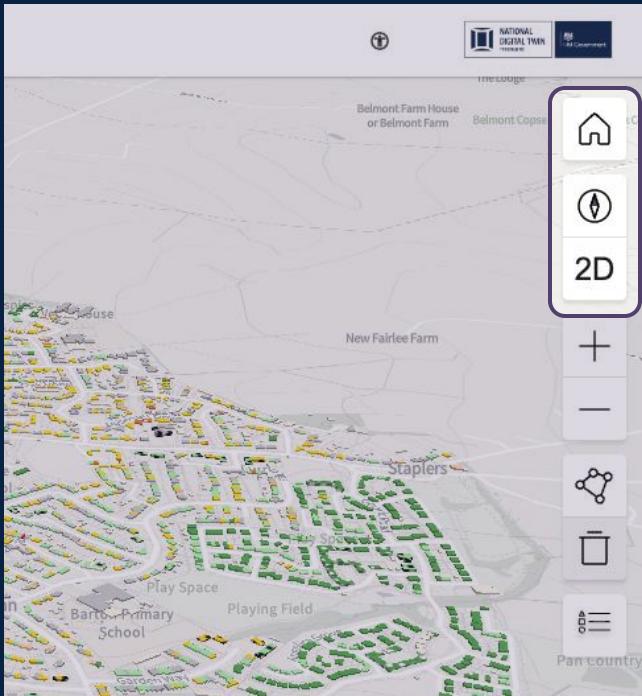
Accessibility functionality is positioned within the top right-hand bar by the logos.

Additional map interaction tools are positioned of the right-hand side of the screen.

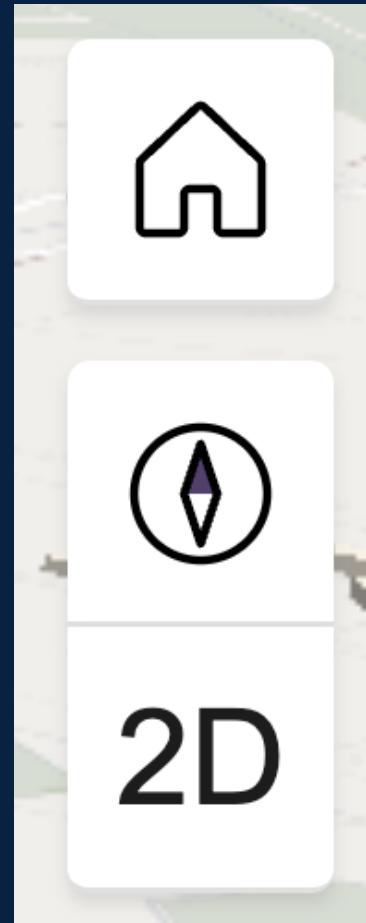
A mini-map is positioned in the bottom right of the screen.



Map interaction tools: top



These map interaction tools are positioned in the top right-hand corner of the tool.

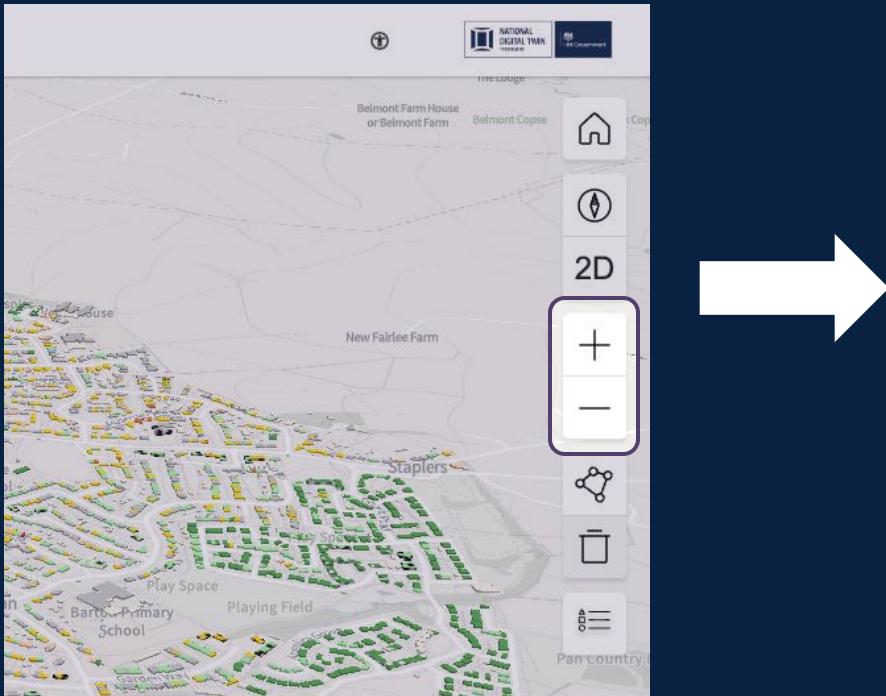


Reset view: This resets your location. Click this button when in any location on the map and it will take you back to a central point in Newport.

North button: Click this button for your current view to be orientated towards the North.

2D/3D: This button allows to switch between different camera angles.

Map interaction tools: middle

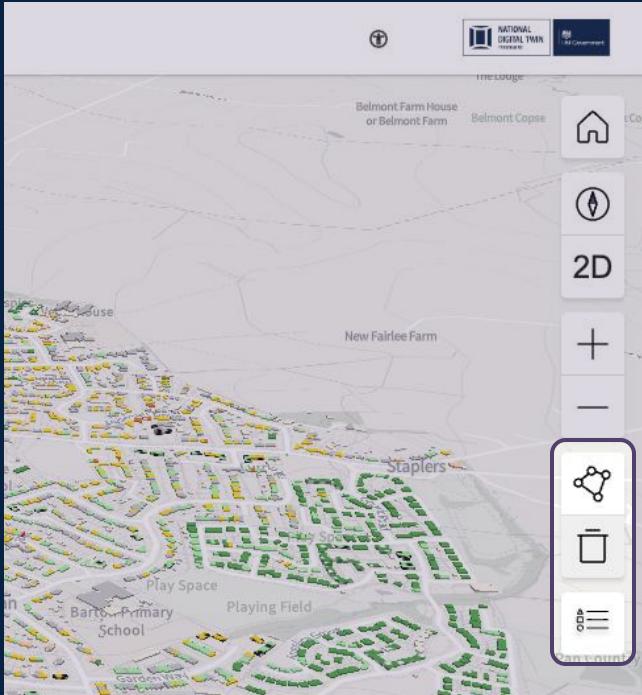


Zoom in: Click this button to zoom your view into an area view of the map.

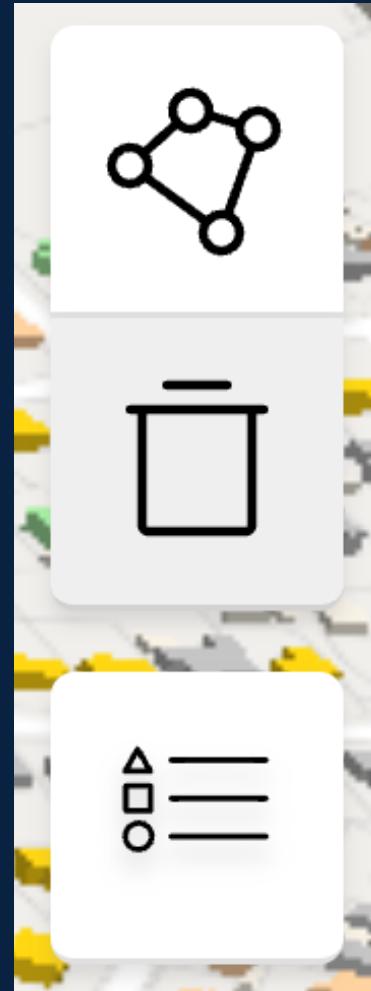
Zoom out: Click this button to zoom your view out of an area view of the map.

These map interaction tools are positioned in the top right-hand corner of the tool.

Map interaction tools: lower



These map interaction tools are positioned in the top right-hand corner of the tool.



Draw filter data: This button enables you to draw a shape on the map around an area of buildings and dwellings of interest

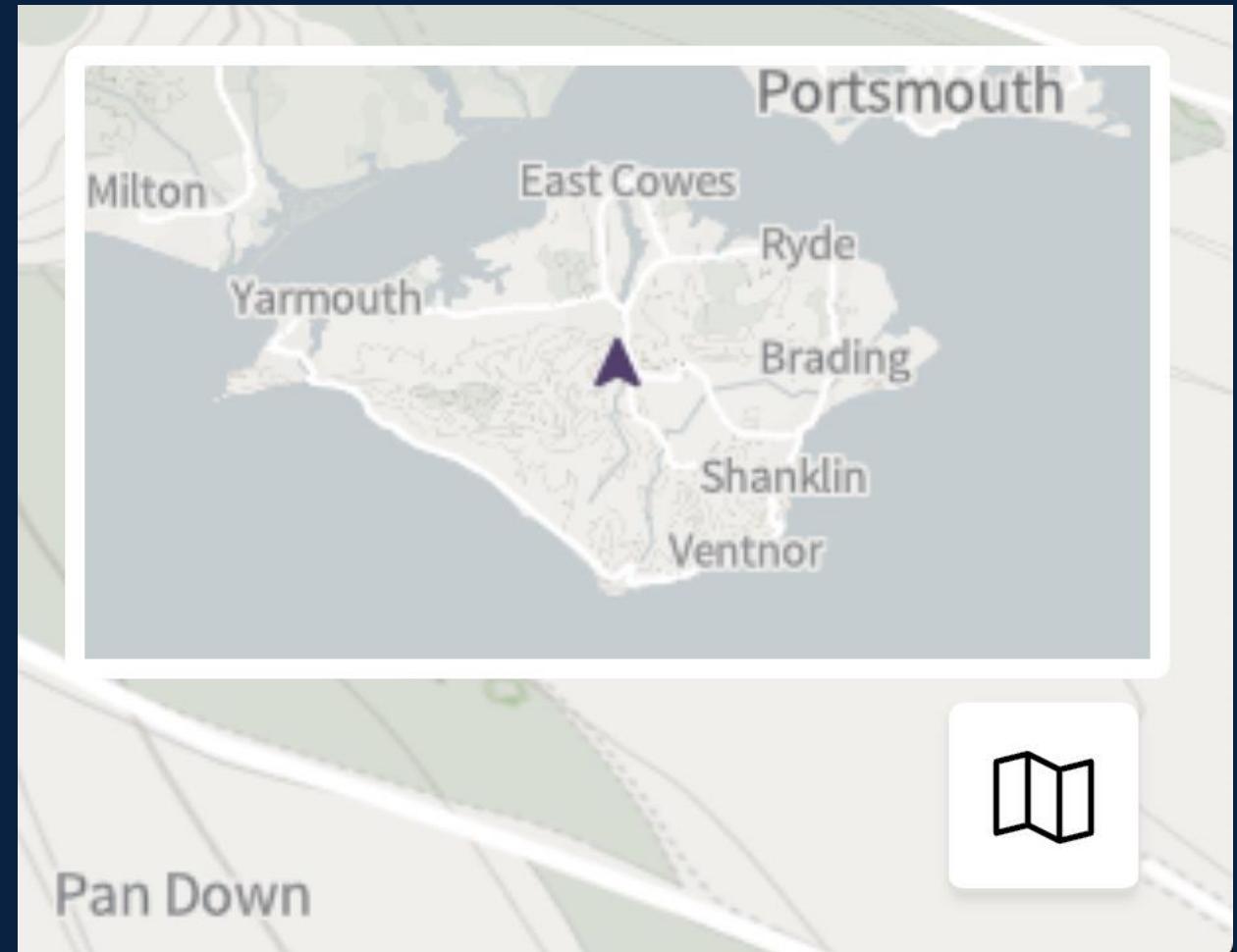
Delete filter data: Click this button to delete your current drawn shape on the map.

Legend: Click this button to see a list of EPC colours, rating letters and SAP rating ranges.

| Map functionality: Mini-map

The mini-map reflects the orientation of the view currently on display.

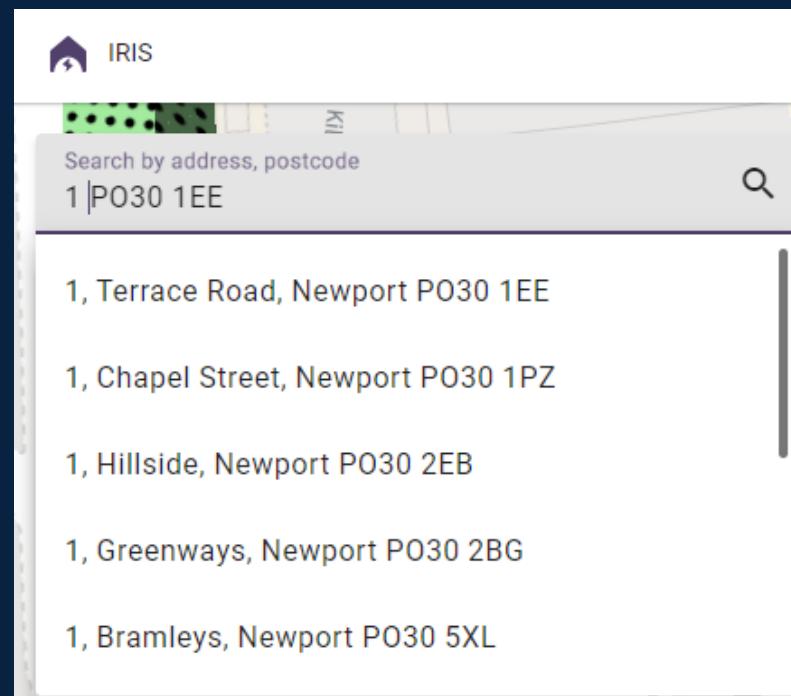
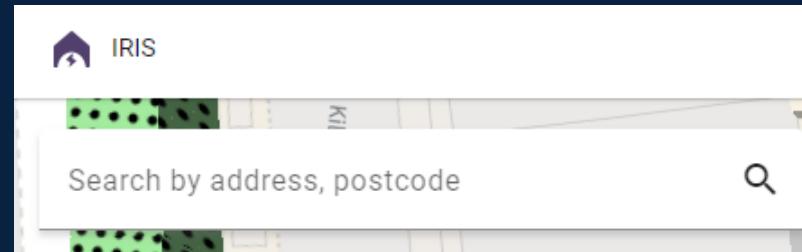
The purple arrow move and rotate to show the position and the direction the view on display is facing.



Search by: address and postcode

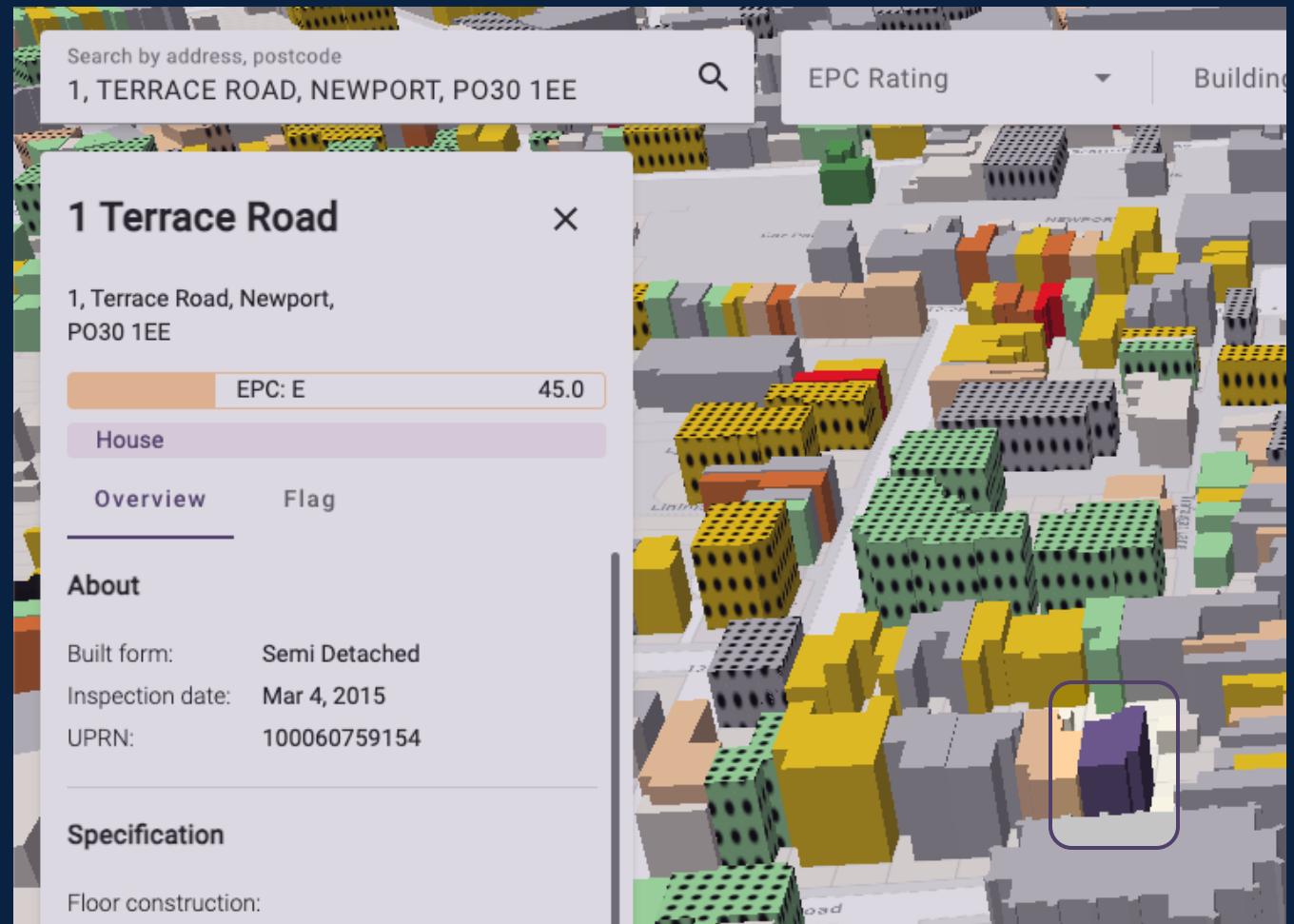
Search by address and postcode is located in the top left-hand corner of the tool.

To search for an address, type in a house number and postcode and press 'Enter'.



| Search by: address and postcode

When a building/dwelling is searched for using an address, the tool visualises this specific building/dwelling on the map in **purple**.

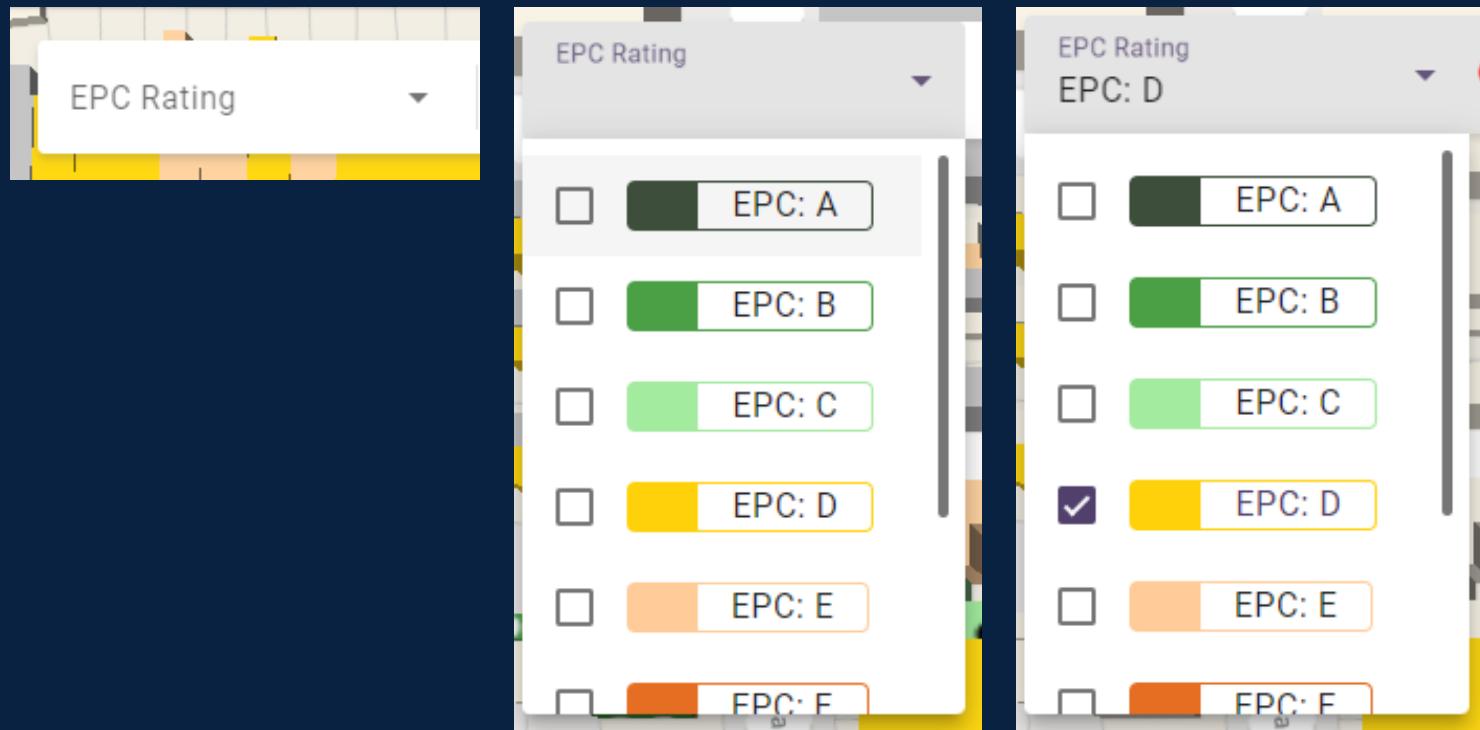


| Filter by: EPC rating

Filter by EPC rating is located in the top left-hand corner of the tool.

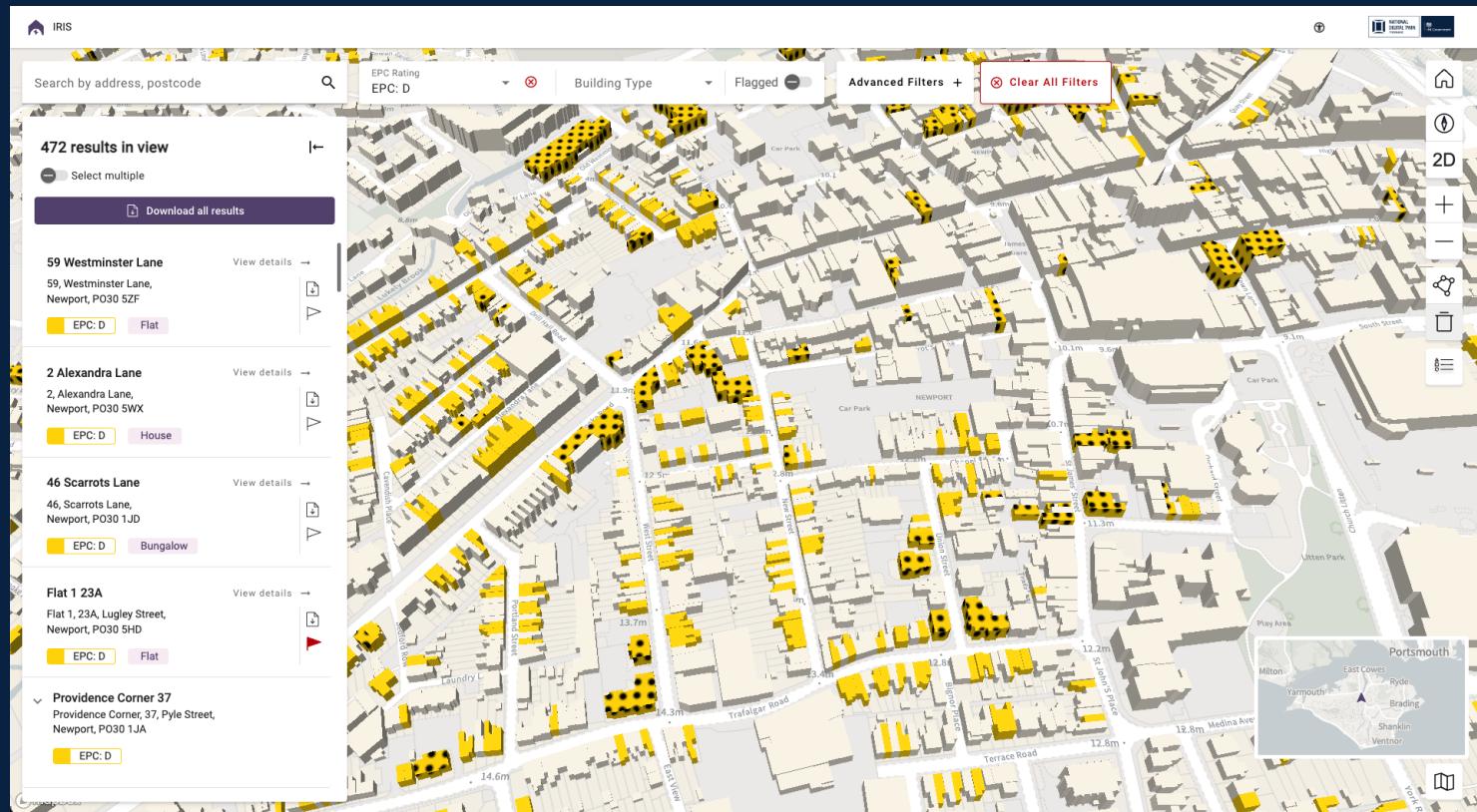
To filter the map area by EPC rating, click on the dropdown which results in selection options.

Select the EPC rating(s) of interest. You can apply multiple filters.



| Filter by: EPC rating

Filtering by EPC rating shows only the relevant buildings and dwellings on the map view for that EPC rating.

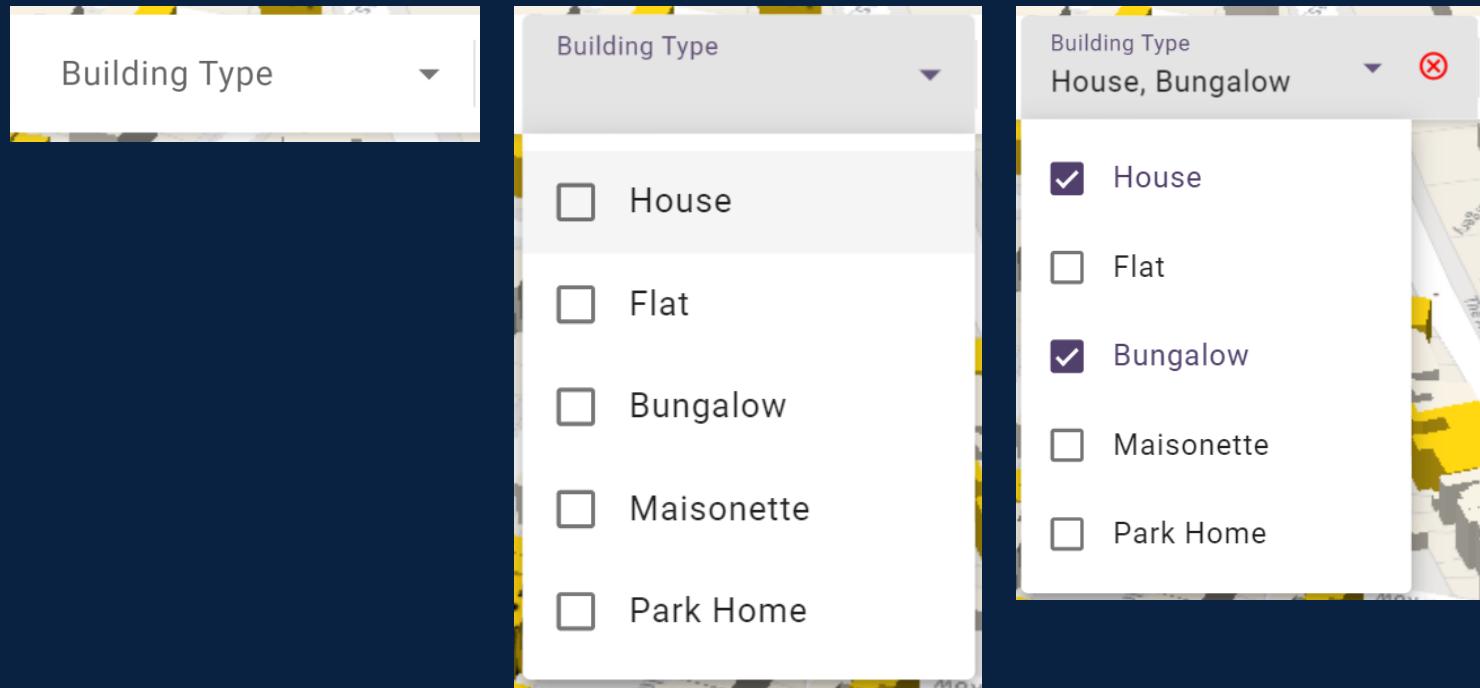


| Filter by: building type

Filter by building type is located in the top left-hand corner of the tool.

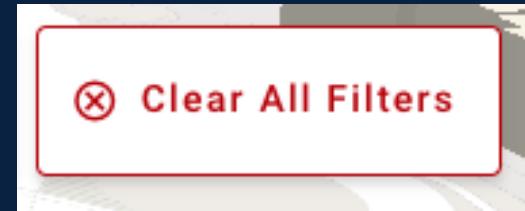
To filter by building type, click on the dropdown which results in selection options.

Select the building types of interest. You can apply multiple options



| Filter by: clear all filters

The clear all filters button appear when any type of filter is applied. It clears any selected filters such as EPC, building type or advanced filters.



Find building/dwelling details

To find building, click on a building (buildings with multiple dwellings are styled with a polka dot colour scheme).

To find the dwellings with a building, click the downward arrow.

When clicked, the dropdown will provide the list of individual dwellings within that building and the option to 'View details'.



A building with multiple dwellings.

12 results in view

Select multiple

Download all results

Trafalgar Court Trafalgar Road
Trafalgar Court, Trafalgar Road,
Newport, PO30 1TS

EPC: C

12 results in view

Select multiple

Download all results

Trafalgar Court Trafalgar Road
Trafalgar Court, Trafalgar Road,
Newport, PO30 1TS

EPC: C

Flat 1 Trafalgar Court View details →
Flat 1, Trafalgar Court, Trafalgar
Road, Newport, PO30 1TS

EPC: D Flat

Flat 2 Trafalgar Court View details →
Flat 2, Trafalgar Court, Trafalgar
Road, Newport, PO30 1TS

EPC: D Flat

Add a flag: A single dwelling

To flag a single dwelling, click on dwelling on the map. A left-hand side panel will appear. Click the 'Add a flag' button.

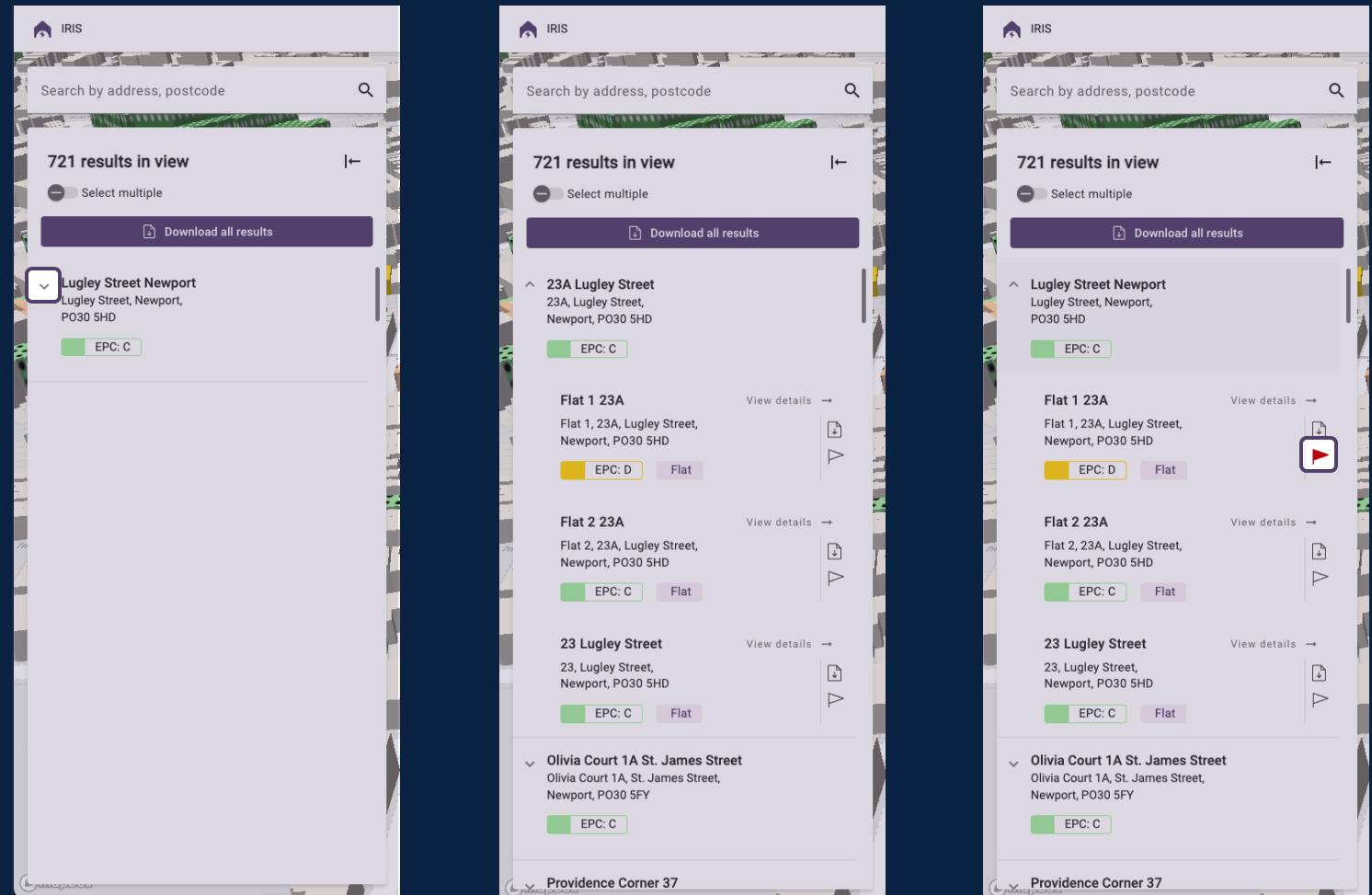


Add a flag: A dwelling in a building

To flag a dwelling within a building, click on a polka dot-shaded building. A left-hand side panel will appear.

Click the downward arrow to open an accordion of dwellings within that building.

Select a dwelling and click on the flag icon.



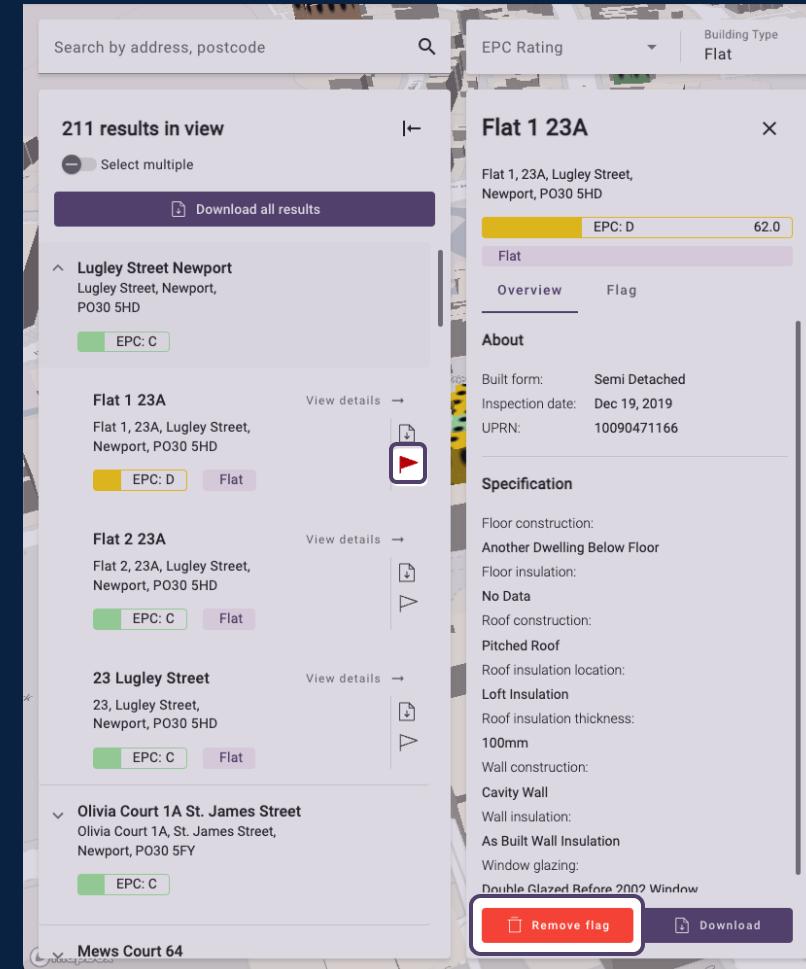
Remove a flag

To remove a flag from a single dwelling, click on either

The flag icon

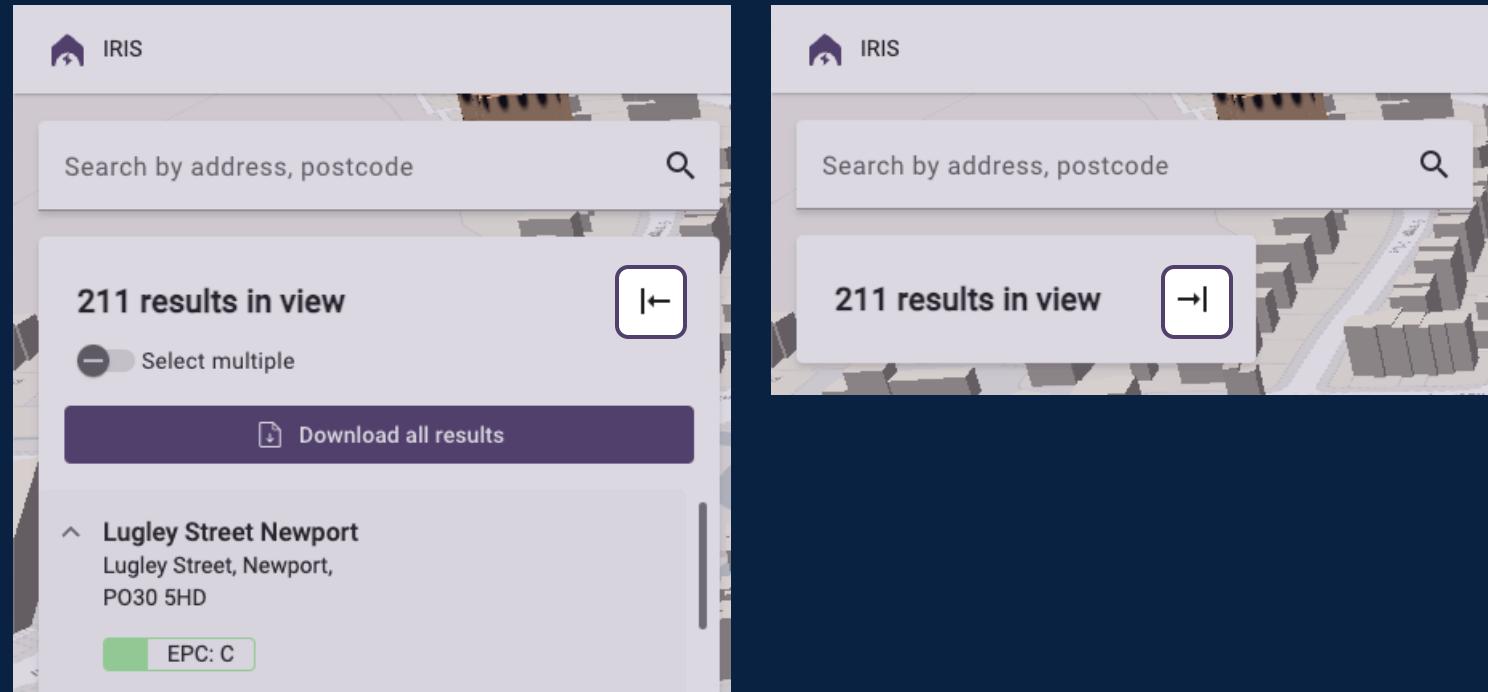
'Remove flag' button

When clicked, you will be prompted to select an option for the reason of the flag removal.



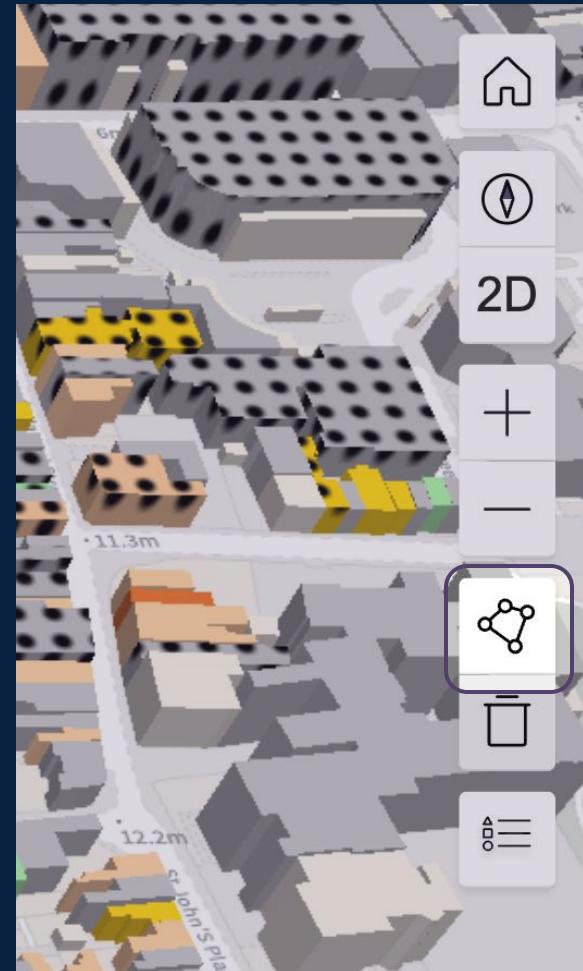
| Collapsible side panel

The side panel can be open or closed by clicking on the arrow icon



| Draw a shape on the map

To draw a shape, click on the 'Draw filter area' icon at the top right-hand side of the tool.



| Draw a shape on the map

Click on the map to add a shape point for each corner of your desired shape.

Click for additional shape points and



Draw a shape on the map

Click outside the shape box to turn the shape blue and set the shape.

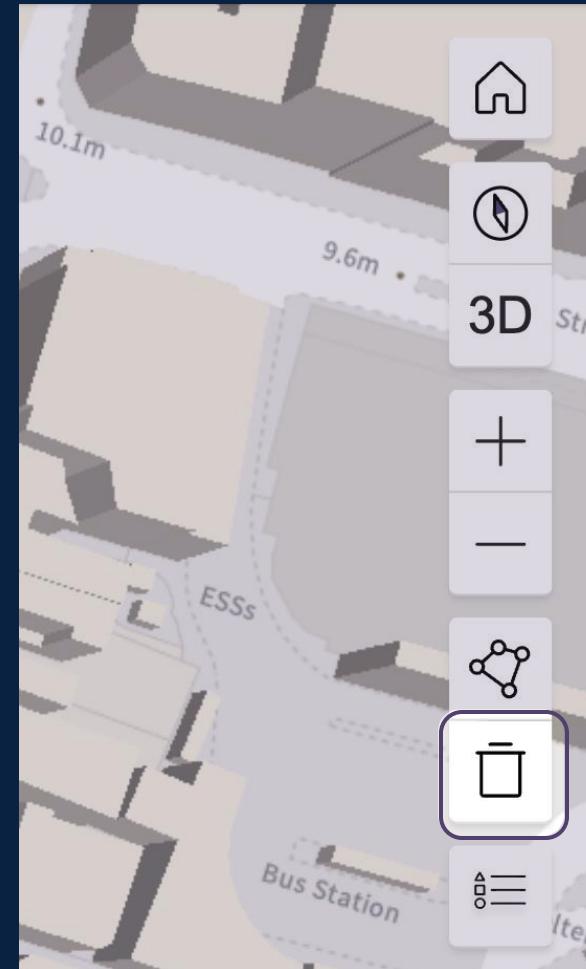
Please note: you can only draw one shape at a time. To create a new shape, you'll have to delete the current shape.



Delete a shape on the map

To delete a shape, click on the 'Delete filter area' icon at the top right-hand side of the tool.

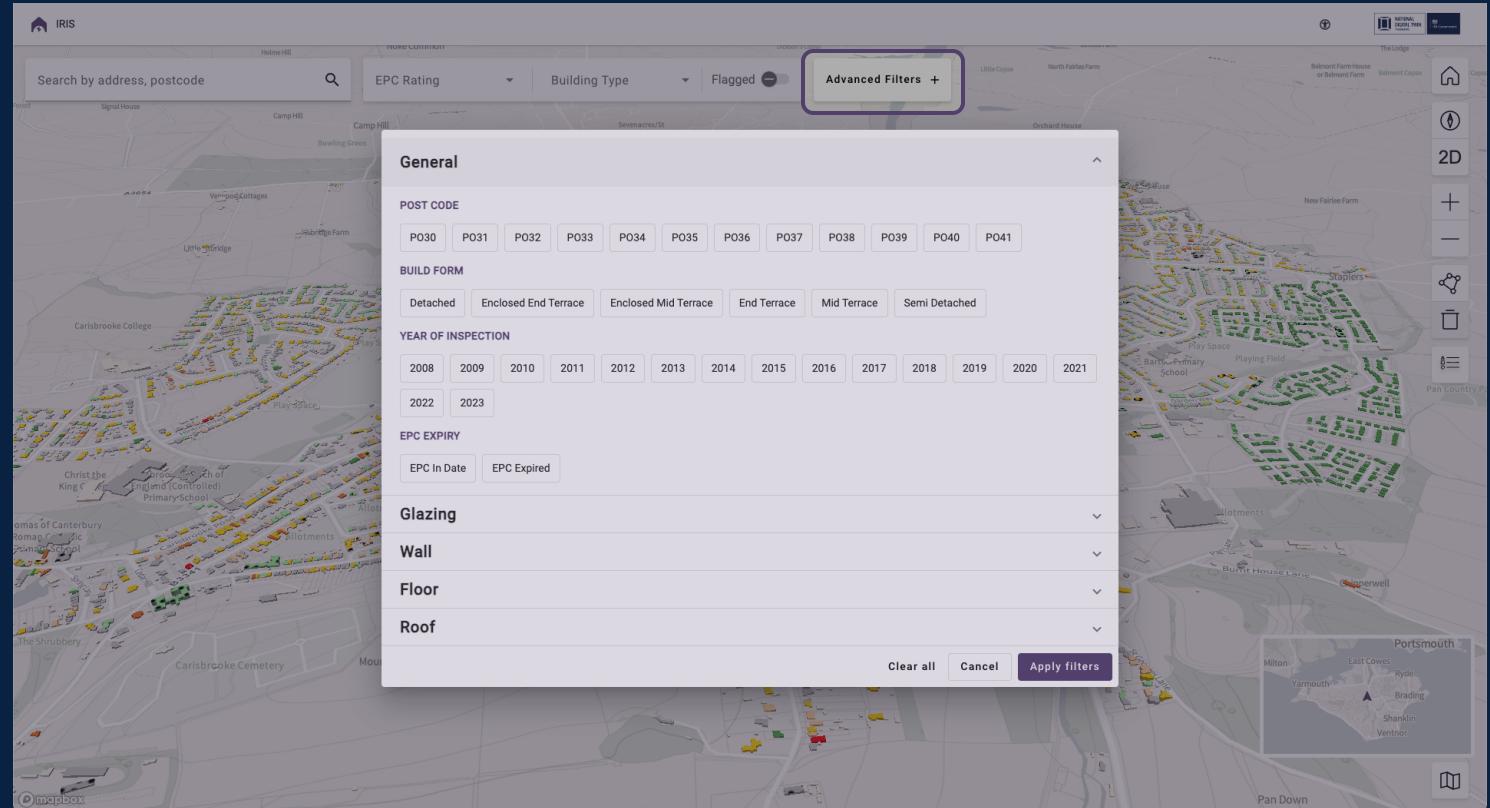
The delete button is only active when a shape has been drawn.



Advanced filtering

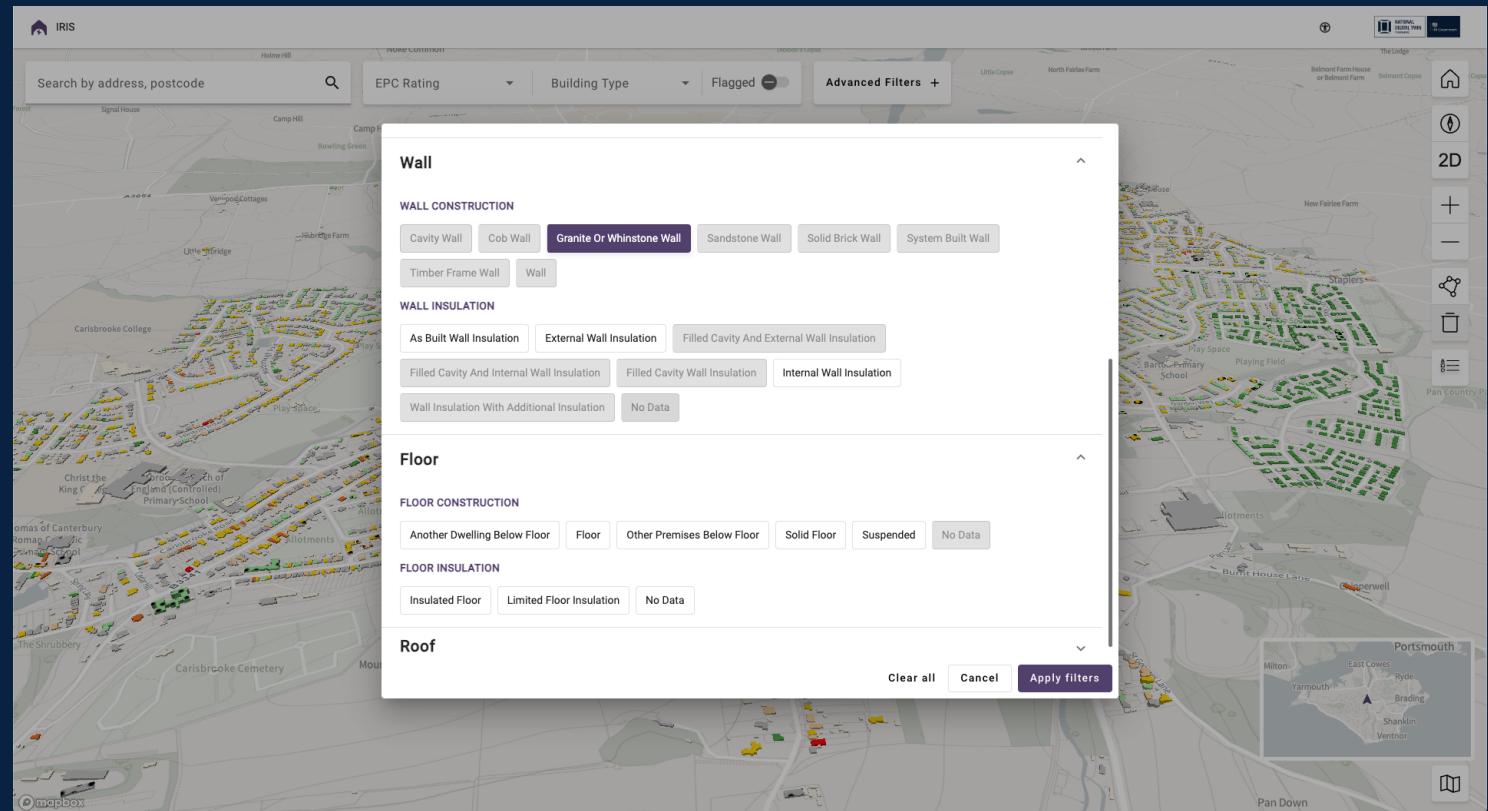
To access advanced filters, click the 'Advanced Filters' button at the top of the page.

A pop-up will appear with additional filter options.



Advanced filtering

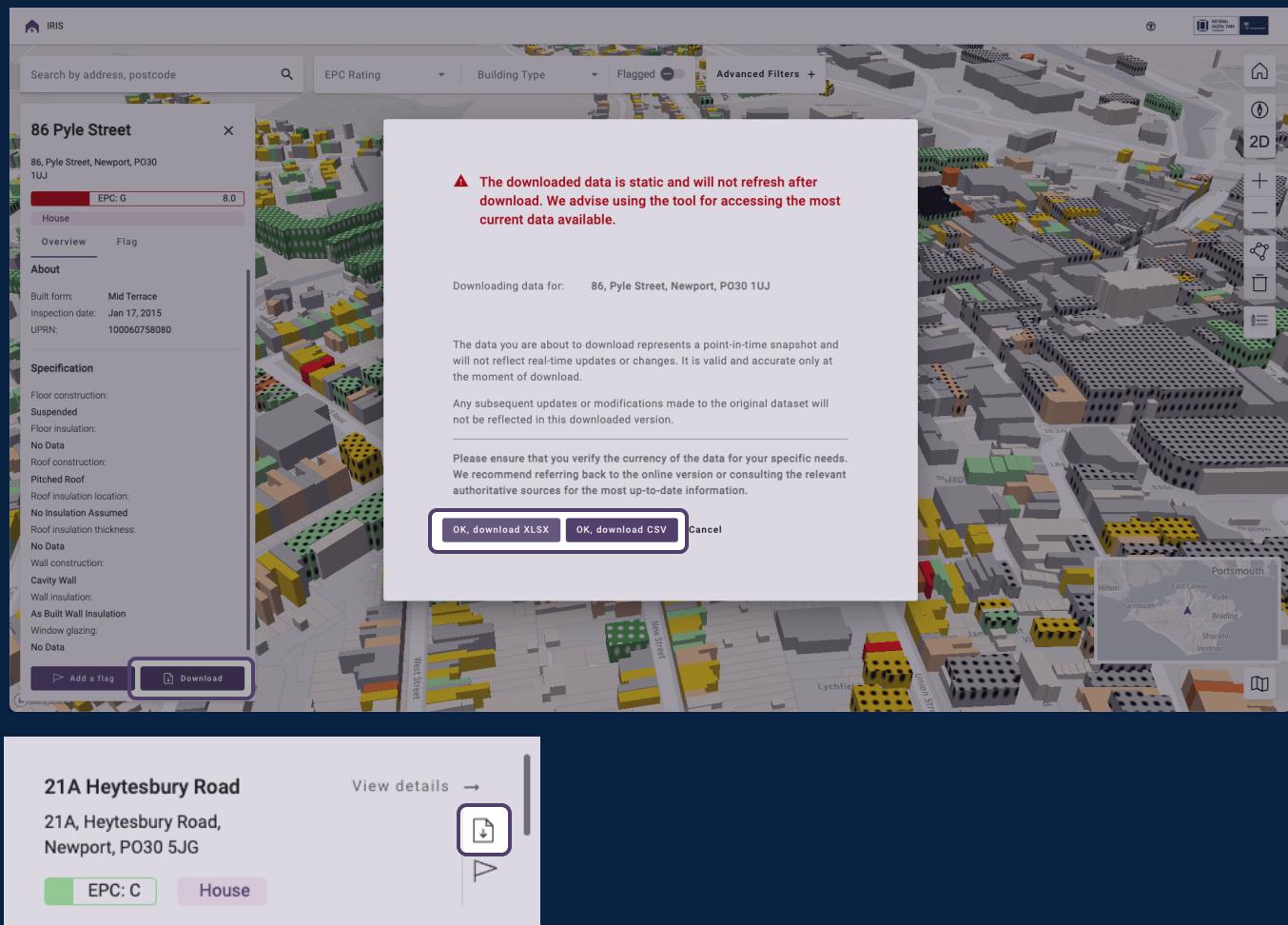
Selected filters appear in purple. When selecting a filter, filters that are not compatible with that selection, and who will return no results, are greyed out.



Download data

To download data, click the 'Download' button on a dwelling's detail card. A pop-up will appear where data can be downloaded as a XLSX or CSV file. Select a file format and Click the 'OK, Download' button.

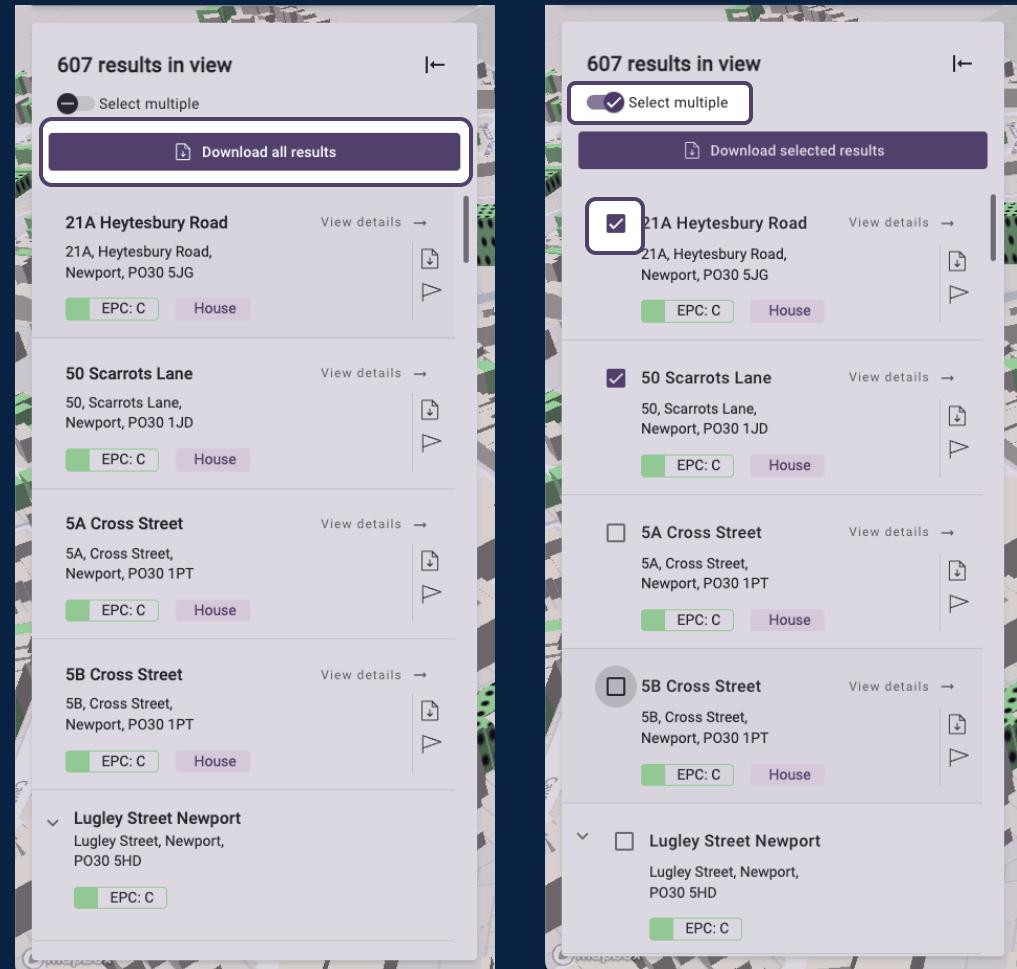
It is possible to quickly download data from the results panel by clicking on the download icon.



Download multiple data

To download all results data, click on 'download all results' from the side panel.

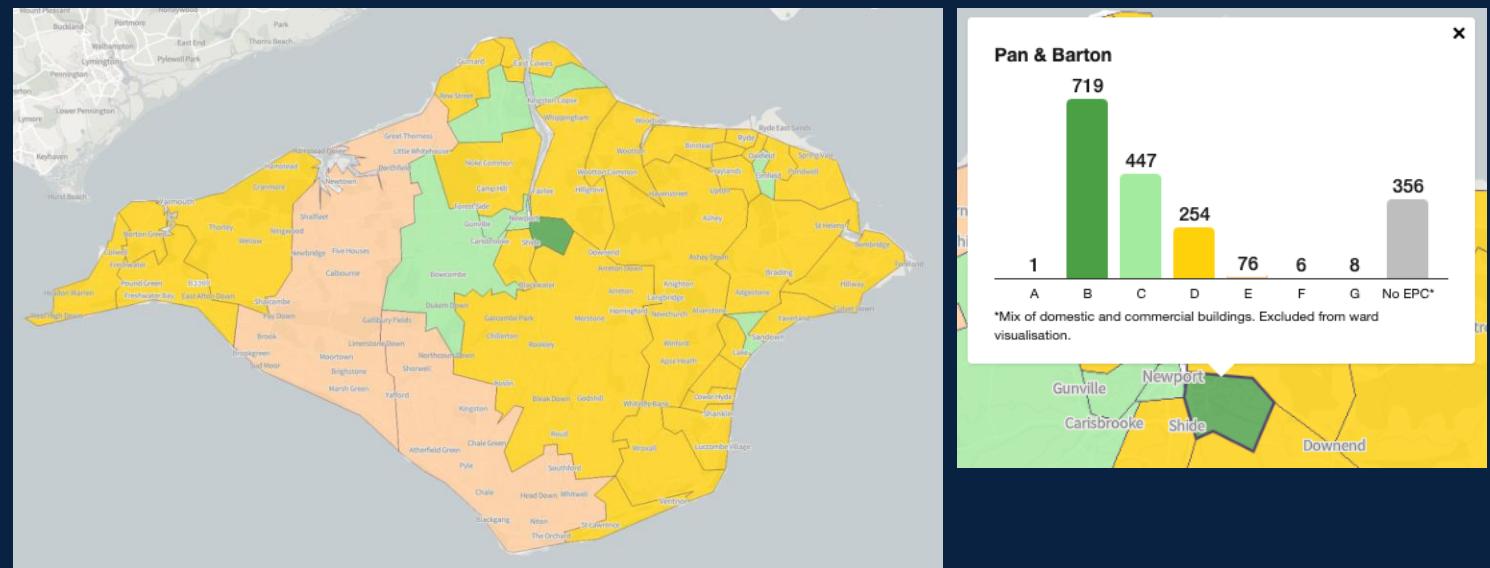
To download specific results from the side panel, click on select multiple. Once checkboxes are visible, select which dwelling's information to download before clicking on 'download selected results'



| See results by wards

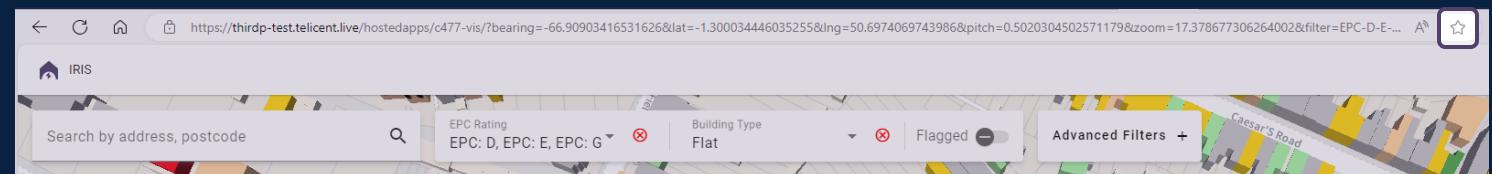
To see how wards compare to each other, zoom out until individual buildings are not visible anymore.

Click on a ward to see a breakdown of EPC for each rating in this specific area.



| Bookmark a selection

To bookmark a selection of filters to come back to later, use your browser's 'Favourite' feature to save your scenarios. You'll be able to come back to it.



Accessibility

To access the accessibility functionality, click on this icon in the top right-hand side on the tool.

This opens the accessibility control panel on the right-hand side.



⊕ Accessibility Controls ×

Colour Adjustments

Theme

Auto

Dark

Light

Content Adjustments

Font Size	Line Height	Letter Spacing
<input checked="" type="radio"/> Medium	<input type="radio"/> Dense	<input type="radio"/> Dense
<input type="radio"/> Large	<input checked="" type="radio"/> Normal	<input checked="" type="radio"/> Normal
<input type="radio"/> X-large	<input type="radio"/> Loose	<input type="radio"/> Loose

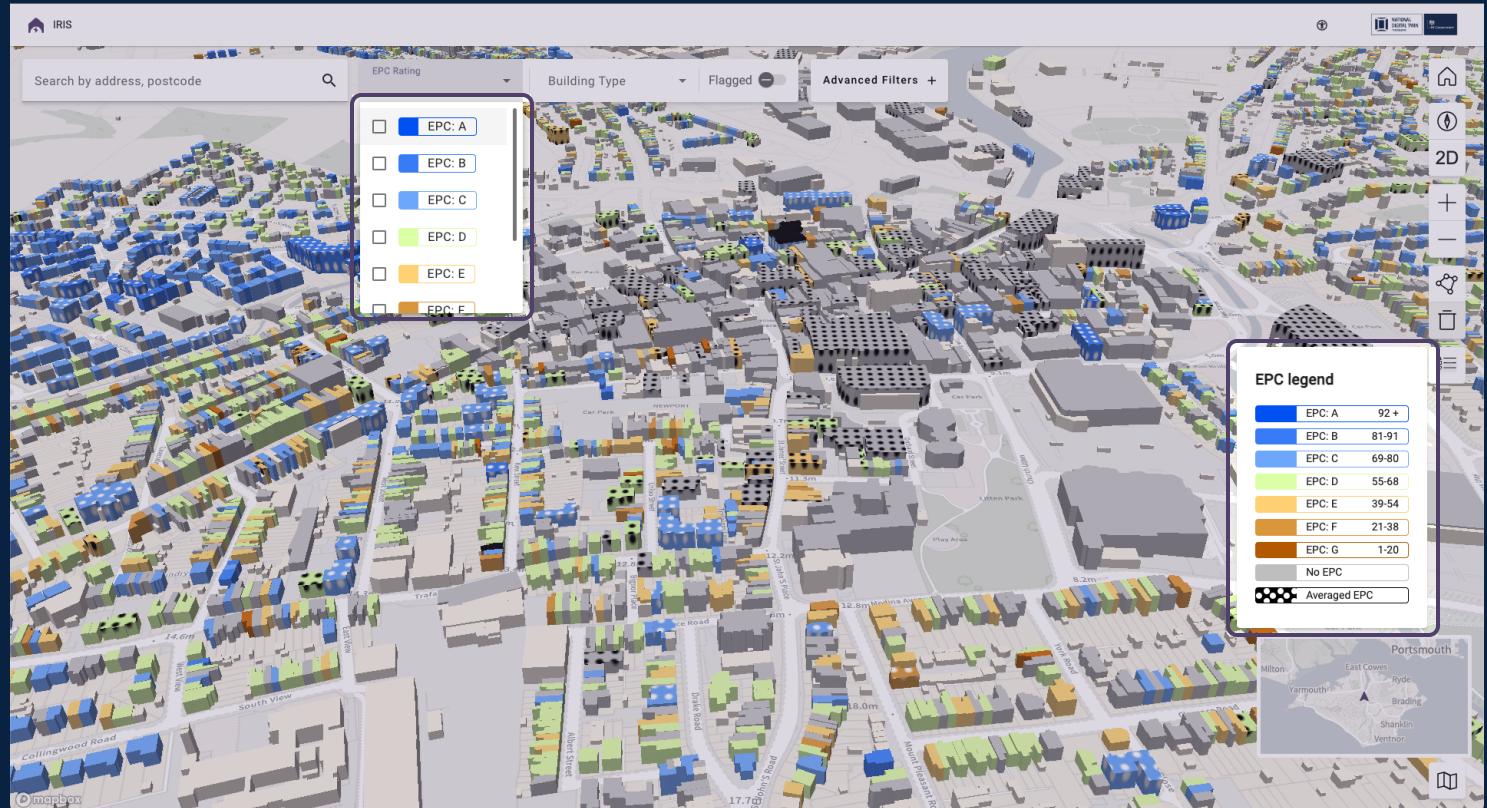
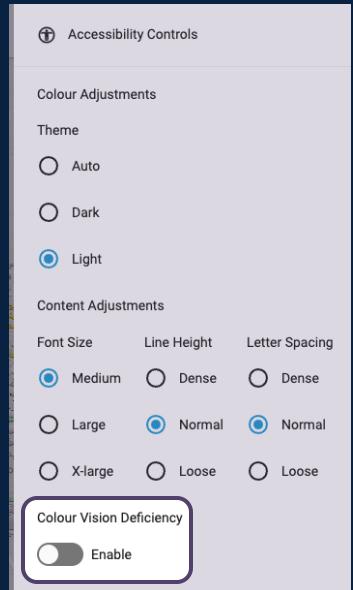
Colour Vision Deficiency

Enable

Accessibility: Colour Vision Deficiency mode

To access colour blind model, pull the toggle to the right to enable it.

Enabling this toggle changes to an alternative, more accessible colour scheme for EPC ratings for all aspects of EPC colours in the tool.





I Troubleshooting guide

This troubleshooting guide at the end of this guide will help with any issues that you might encounter when using the IRIS tool.



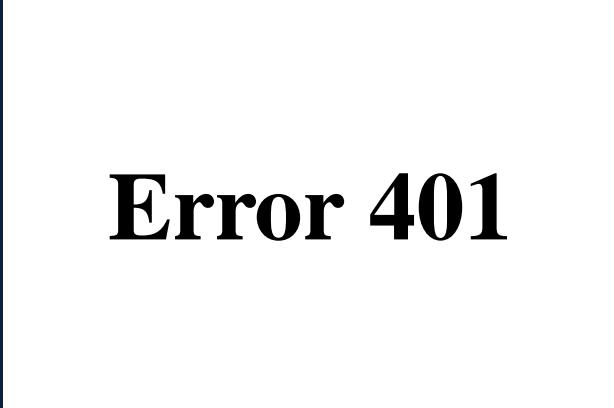
Issue: I can't log in

If you are experiencing troubles logging in:

- Reset your browser and try to log in again
- If that doesn't work, restart your laptop and try to log in again

Issue: I keep getting a 401 error

- You are unable to log into the tool using an incognito browser
- Try accessing the tool again in a non-incognito browser



Error 401

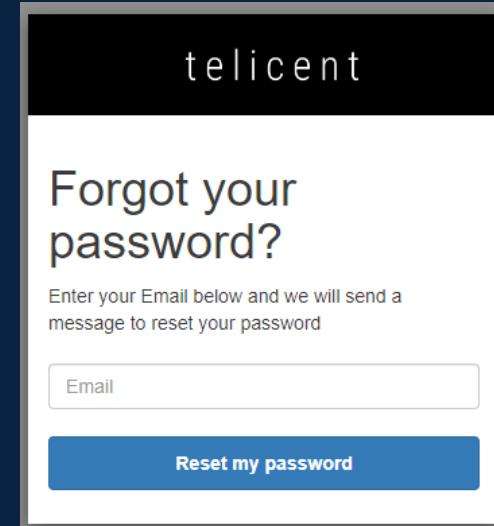
Issue: My email address isn't logging me in

- Email addresses are case sensitive for logging in
- Make sure you are using the upper-case and lower-case letters for your email address that you registered with

Issue: I've forgotten my password

If you have forgotten your password:

- Go to the login screen
- Press 'Forgot your password?'
- Enter your email address
- Click 'Reset my password'



Issue: I need to report something broken

If you are experiencing any major issues that aren't covered by anything else here, please email the National Digital Twin Programme email inbox ACE: NDTPilot@vivace.tech.

Within your email, please include the following information:

- Time and date of the issue
- The expected behaviour of what you're trying to do
- The actual behaviour and result
- The browser that you're using
- The device that you're using
- Any screenshots of the issue

Problems will be escalated to the responsible team(s) to resolve.