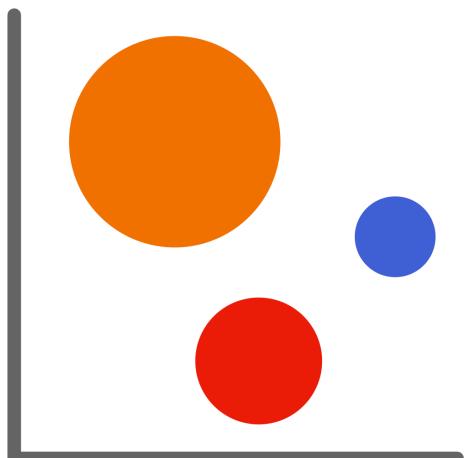


# User Guide

## UK Air Pollution/Emissions Data Explorer



[chronicillnesschannel.co.uk/data-explorer](http://chronicillnesschannel.co.uk/data-explorer)  
Explorer v3.0

# **User Guide: Pollution/Emissions Data Explorer**

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# Pollution Charts

This data explorer includes two interactive charts that help you compare pollution/emissions from different sources:



## Pollution Bubble Chart



## Pollution Line Chart

Some features work the same across both charts, while others behave differently.

Shared features are explained once. Where the charts differ, the guidance is shown in coloured boxes.

The default selection for each chart is:



### Bubble Chart

Pollutant: PM2.5  
Group 1: Ecodesign - Ready To Burn  
Group 2: Gas Boilers  
Year: 2023



### Line Chart

Pollutant: PM2.5  
Group 1: All  
Start Year: 1970  
End Year: 2023  
Smoothing: On

The Pollutant selector is a dropdown box, where the available pollutants can be chosen. Only 1 pollutant can be selected.

Pollutant:

PM2.5



The Group selectors are also dropdown boxes. When more than 1 Group is displayed a Remove Group button appears next to each Group. Click the Add Group button to display another Group selector dropdown box which has no Group selected.

 <input type="button" value="Ecodesign Stove - Ready To Burn"/>		<input type="button" value="Remove Group"/>
 <input type="button" value="Gas Boilers"/>		<input type="button" value="Remove Group"/>
 <input type="button" value="Add Group"/>		



Some sources in the NAEI data do not have heat/energy data (Activity Data), so Groups with those sources will not appear as an option in the dropdown box.



When there is no available data for the Pollutant and Group selected in the line chart, the legend on the chart will display: (No data available)

The year selection is different between the 2 charts.



**Year:**

Only one year can be selected in the bubble chart.



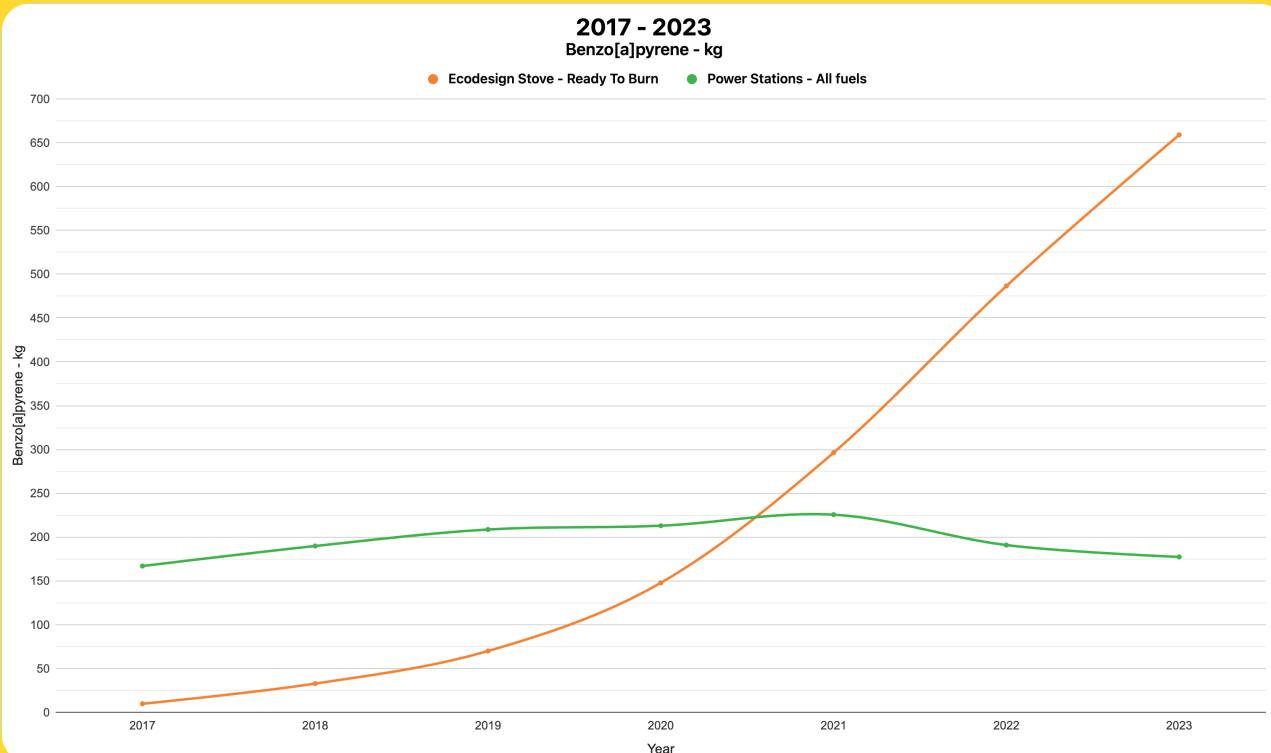
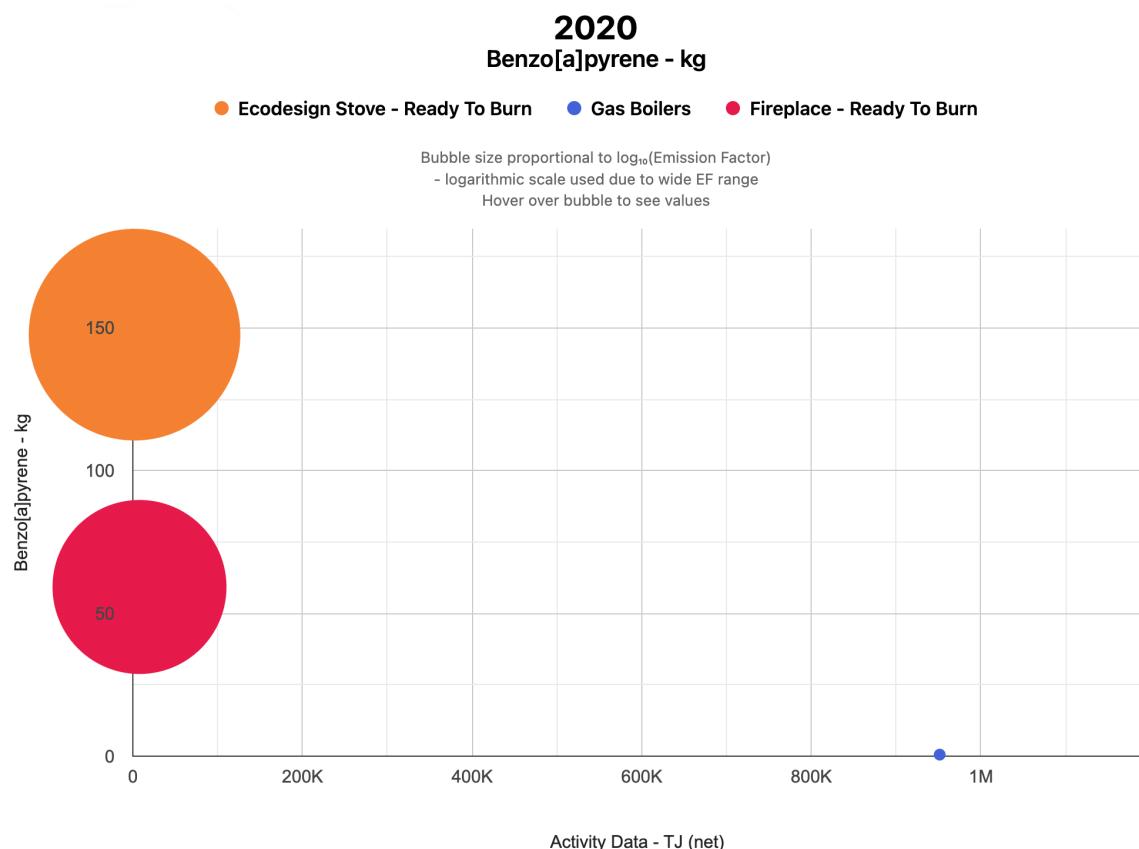
**Start Year:**

**End Year:**

The line chart has Start and End Year dropdown boxes which only display valid options. The Start Year list will not show the selected End Year or any years after it, and the End Year list will not show the selected Start Year or any years before it.

Note: Some groups do not have data for all years, so the legend will display (No data available), when those years are selected.

Whenever the fields for Pollutant, Groups or Year are changed, the chart will redraw with the new selections.





 Disable Smoothing

 Enable Smoothing

The line chart has a Smoothing button, to disable or enable curve-smoothing of the data lines. This is helpful when data points sit near the chart boundary and smoothing makes the line disappear.

You can re-order the Group boxes by clicking and dragging the  handle next to each group. The chart updates automatically.

 Ecodesign Stove - Ready To Burn		 Remove Group
 Gas Boilers		 Remove Group
 Add Group		

Re-ordering the Groups will change the layering of the Groups. The Group at the top of the list will be in the top layer, and the Group at the bottom will be in the bottom layer. This is useful if bubbles/lines overlap causing that Group to be hidden.

The legend will also re-order and the colour of the Groups will change in some circumstances.