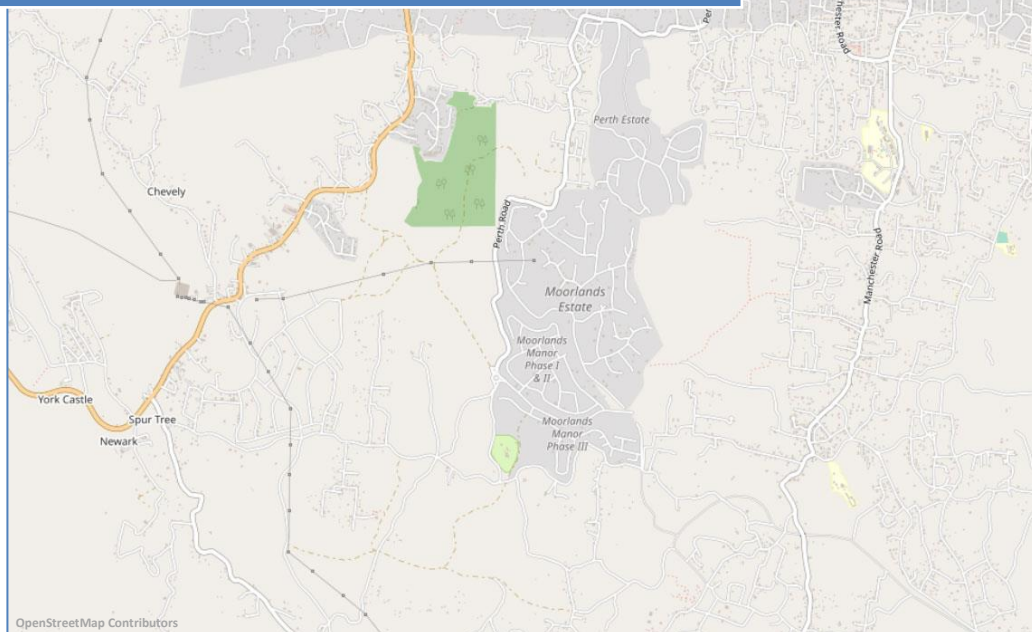


# User Manual - Data Portal

## National Spatial Planning Information Technology (NSPIT) Platform



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## 1. Introduction

The NSPIT Data Portal (Figure 1) provides an overview of the different data in the NSPIT Platform as well as further information about these data (metadata). It lets you use various filter and search functions with which you can search for existing data. Many datasets include a WFS link for downloading the data.

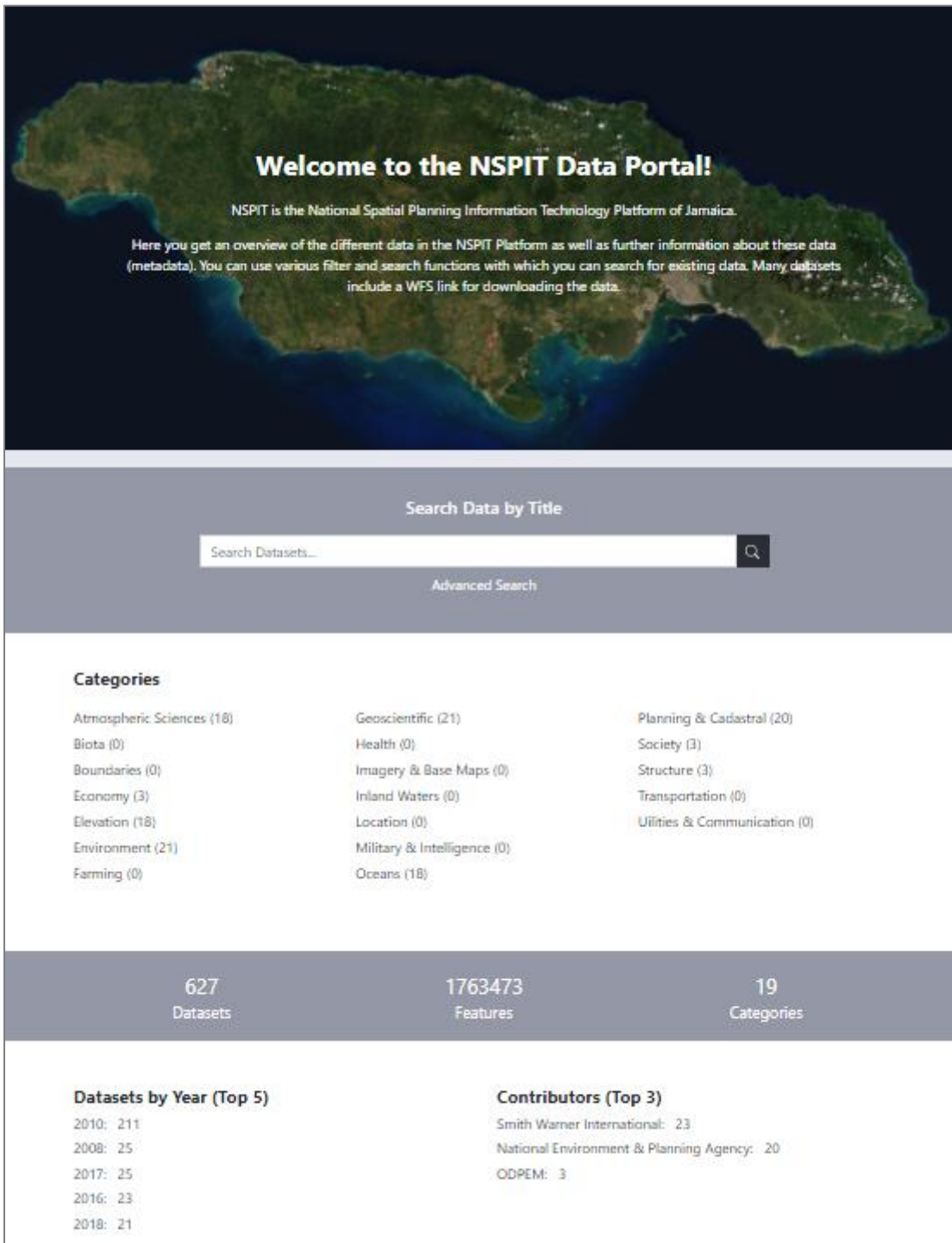


Figure 1: Front page of the NSPIT Data Portal

The NSPIT Data Portal is one component of the NSPIT Platform. The various components of the NSPIT Platform are mentioned in Table 1.

Table 1: NSPIT Platform Components

Component	Description
NSPIT Viewer <a href="http://nspit.licj.org.jm">http://nspit.licj.org.jm</a>	A web mapping application that lets you access geospatial data for Jamaica.
NSPIT Data Portal <a href="https://data.nspit.licj.org.jm">https://data.nspit.licj.org.jm</a>	A web portal that lets you access metadata for datasets that are in the NSPIT Viewer. The portal can also be used to download vector data.
NSPIT Help Portal <a href="https://help.nspit.licj.org.jm">https://help.nspit.licj.org.jm</a>	A web portal that includes help documentation for anything related to the NSPIT Platform.
NSPIT Metadata Plugin (QGIS)	A QGIS plugin to create and edit metadata that respects the NSPIT Metadata Standard.
NSPIT Metadata Tool (ArcGIS)	An ArcGIS tool to create and edit metadata that respects the NSPIT Metadata Standard.

## 2. Searching layers

The quickest way to find a layer is to search for it by title. To search a layer by title, use the search form on the start page or on the Advanced Search page and start typing a name. Once you start typing, the layers that match your text will be suggested below the search input (Figure 2):



Figure 2: Searching layers by title

**Note:** The text you enter is case-insensitive, so you do not have to pay attention to the text's case when you enter text.

You can then click a layer title (Figure 3), which automatically forwards you to the layer's metadata page.

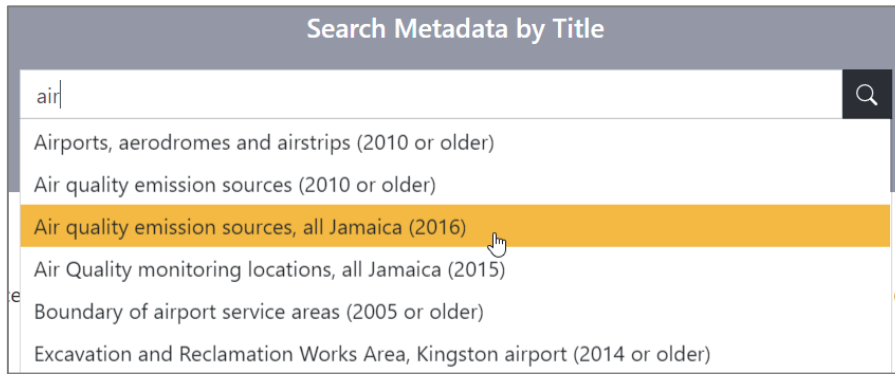


Figure 3: Highlighted title in the dropdown menu

Alternatively, you can click the magnifying glass, which forwards you to the *Advanced Search* and sets the suggested layer titles as a predefined filter (Figure 4).

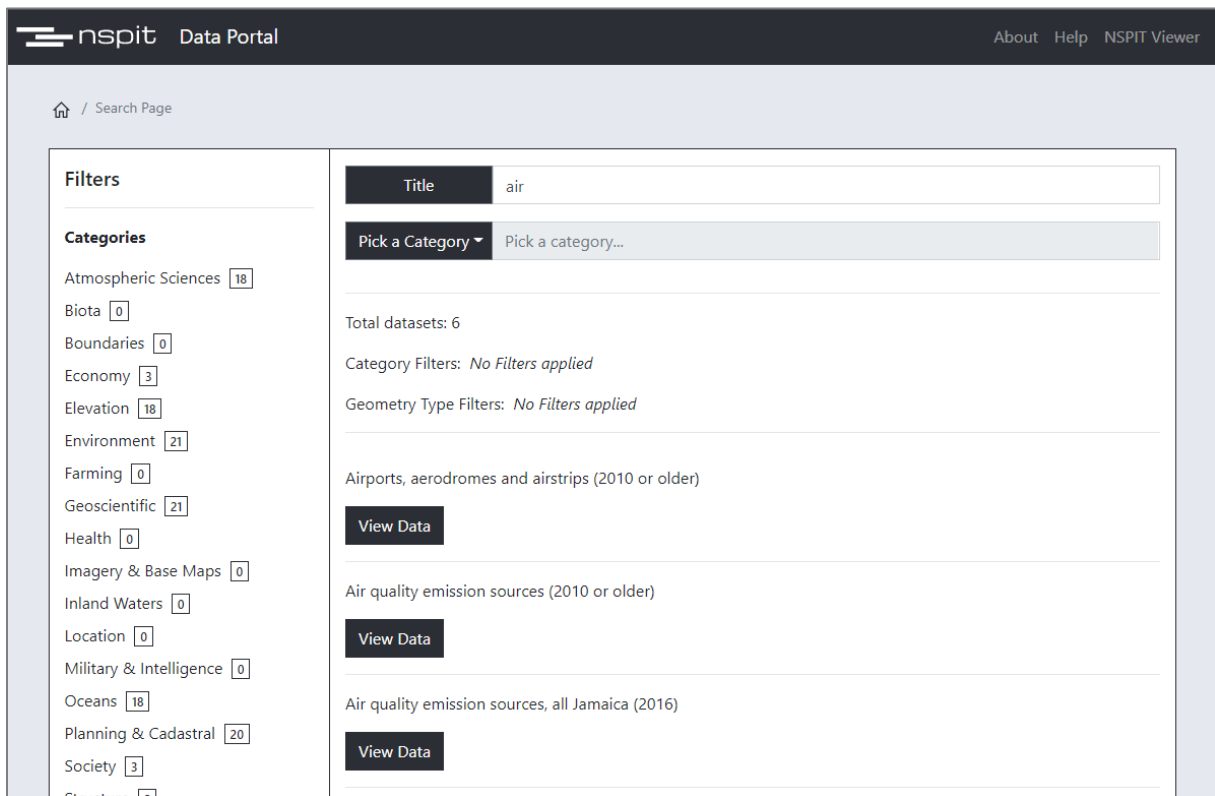


Figure 4: Filtered layers in the Advanced Search

### 3. Advanced Search

The Advanced Search opens when:

- the **[Advanced Search]** button is clicked (Figure 5)
- a link under *Categories / Datasets by Year (Top 5) / Contributors (Top 3)* is clicked

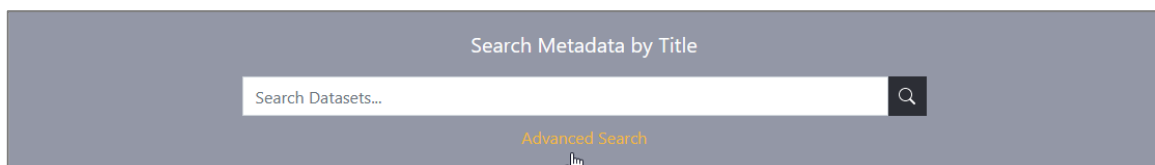


Figure 5: Advanced Search button

The Advanced Search adds the following elements you can search by:

- Alternate title
- Abstract
- Contributor
- Year of creation

Pick what you would like to search by, using the **[Pick a Category]** dropdown and start typing in the text input next to the dropdown (Figure 6).

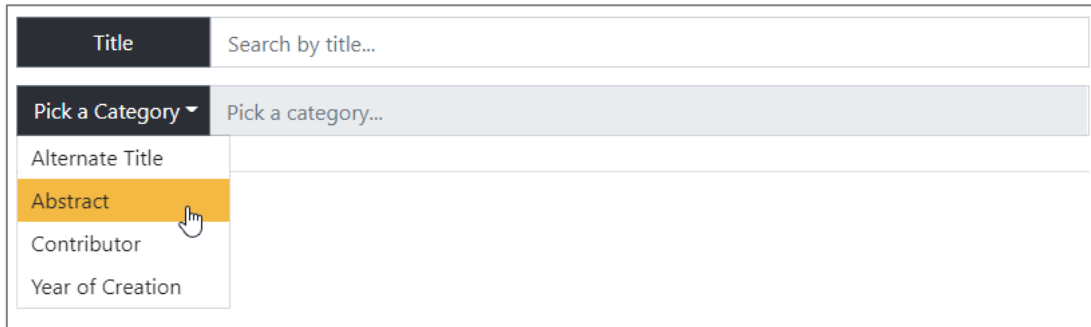


Figure 6: Dropdown with search options

### 3.1 Using Filters

You can filter data by category or by geometry.

The filters can be activated by clicking them in the left panel in the *Advanced Search* page. When clicked, a filter is highlighted and displayed on the right side (Figure 7).

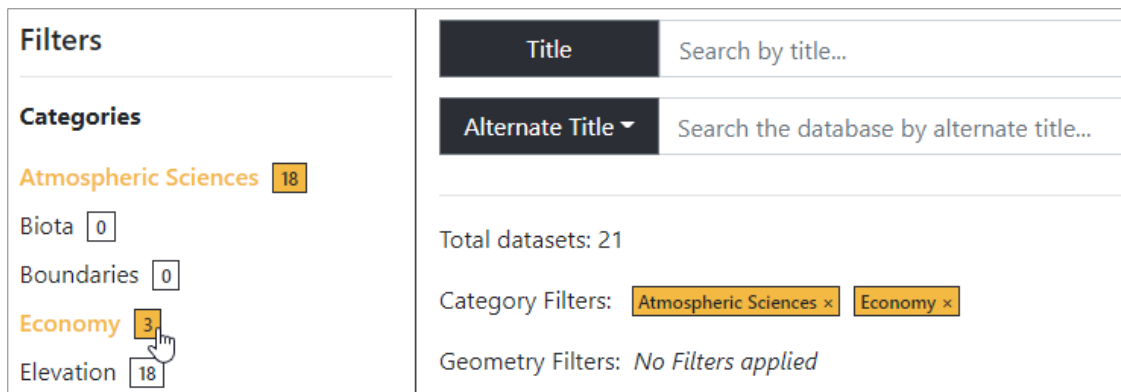


Figure 7: Activated filters

### 3.2 How the filter logic works

When selecting a category, you will be shown all layers that are within that category. In the following example 18 layers were found within *Atmospheric Sciences* (Figure 8):



Figure 8: Filter logic: one category selected

When selecting more than one category (Figure 9) you will be shown all layers that fall within either category. In the following example, all layers that are part of the *Atmospheric Sciences* category and all layers that are part of the *Economy* category are found.

(The filter does not search for layers that are part of Atmospheric Sciences and Economy!)

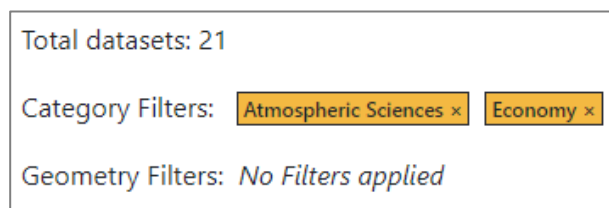


Figure 9: Filter logic: two categories selected

The geometry filter returns layers that correspond to the filtered geometry type (Figure 10). In the following example, we first search for layers that are in the *Atmospheric Sciences* or *Economy* categories and then we add an additional filter that filters the above layers according to their geometry type.

So, although there are 21 layers in *Atmospheric Sciences* and *Economy*, not all of them are polygon layers (only 17 of those layers are polygon layers). For that reason, adding a geometry filter to a category filter usually returns fewer results than when using category filters only.

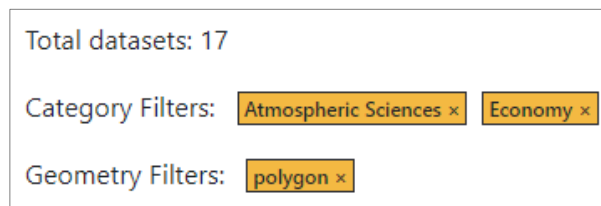


Figure 10: Filter logic: two categories and a geometry type selected

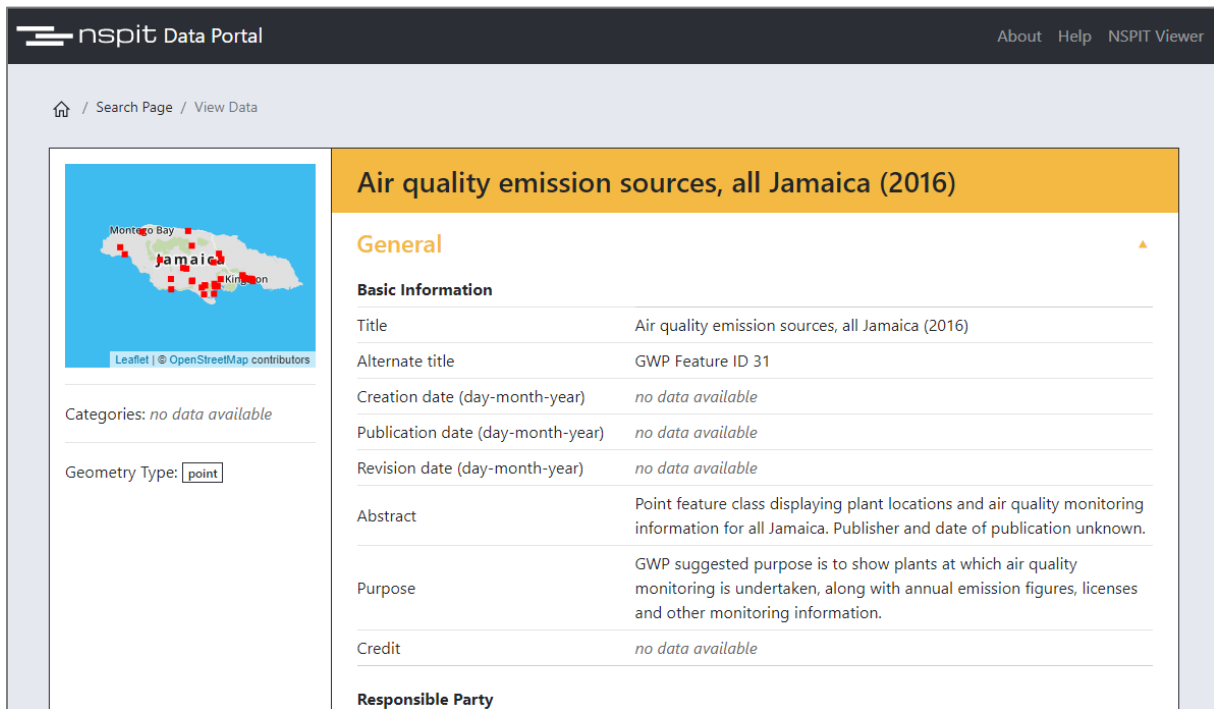
## 4. Metadata Page

### 4.1 Overview of the Metadata Page

After selecting a dataset, the layer's metadata is displayed in a separate page (Figure 11).

On the left side you can see a preview of the layer. In some cases, the layer is not available. If this happens, the preview map will show the layer's bounding box instead. If available Categories and Type of the layer is shown.





The screenshot shows the NSPIT Data Portal interface. The header includes the logo and 'nspit Data Portal' on the left, and 'About Help NSPIT Viewer' on the right. Below the header is a breadcrumb trail: 'Home / Search Page / View Data'. The main content area is split into two columns. The left column contains a map of Jamaica with red square markers indicating emission sources, with labels for 'Montego Bay' and 'Kingston'. Below the map, it says 'Categories: no data available' and 'Geometry Type: point'. The right column has a yellow header 'Air quality emission sources, all Jamaica (2016)' and a 'General' section. Under 'Basic Information', there is a table with the following data:

Basic Information	
Title	Air quality emission sources, all Jamaica (2016)
Alternate title	GWP Feature ID 31
Creation date (day-month-year)	no data available
Publication date (day-month-year)	no data available
Revision date (day-month-year)	no data available
Abstract	Point feature class displaying plant locations and air quality monitoring information for all Jamaica. Publisher and date of publication unknown.
Purpose	GWP suggested purpose is to show plants at which air quality monitoring is undertaken, along with annual emission figures, licenses and other monitoring information.
Credit	no data available

Below the table is a section for 'Responsible Party'.

Figure 11: Detailed Metadata View

On the right side the page includes a table that displays the entire layer's metadata. The NSPIT Metadata standard groups the metadata according to the following categories:

- General
- Additional
- Geometry
- Maintenance
- Metadata
- NSPIT

Each category includes multiple pieces of information. Note that the categories can be collapsed and extended by clicking on the category name (Figure 12).

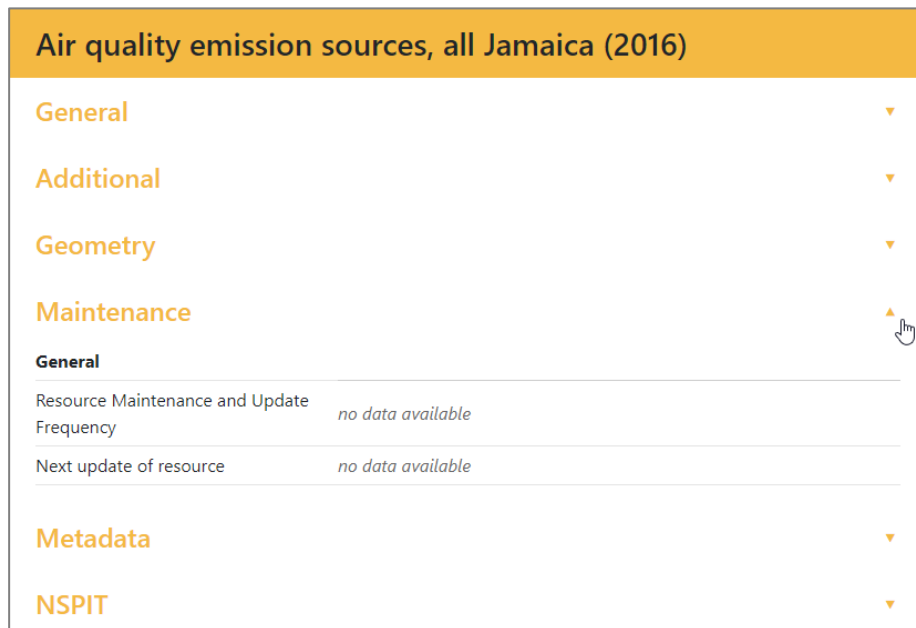


Figure 12: Collapsing metadata groups

## 4.2 Downloading data

Some data from the NSPIT Portal is freely available for download. To see if a dataset is downloadable scroll to the category *NSPIT* (Figures 13, 14). If the dataset is downloadable there will be a WFS link under Data URI (Figure 13).

Note that even if a dataset is downloadable, limitations might still apply. The category *Additional* has information on legal constraints and use limitations.

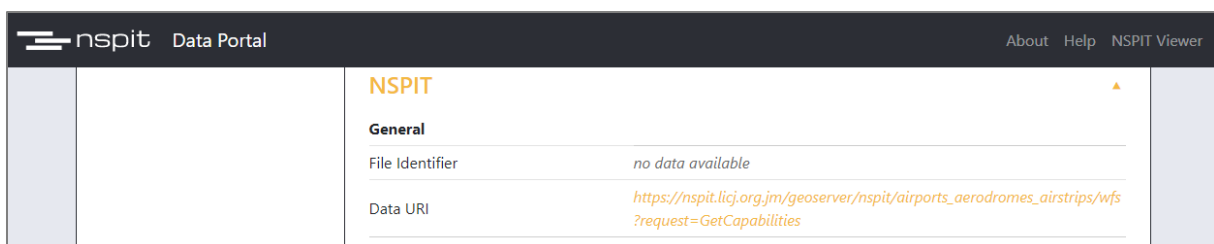


Figure 13: The download link (WFS)

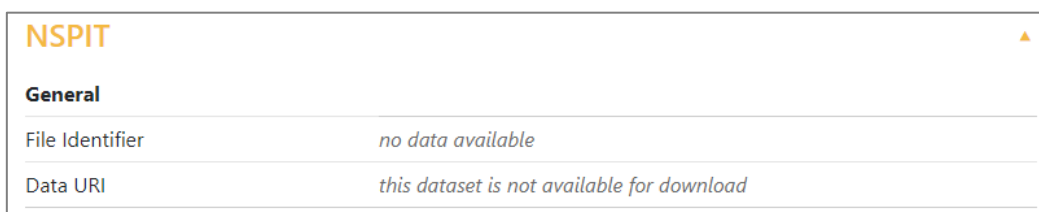


Figure 14: The data is not available for download