

Statistical Data and Metadata eXchange (SDMX) Portal User Guideline



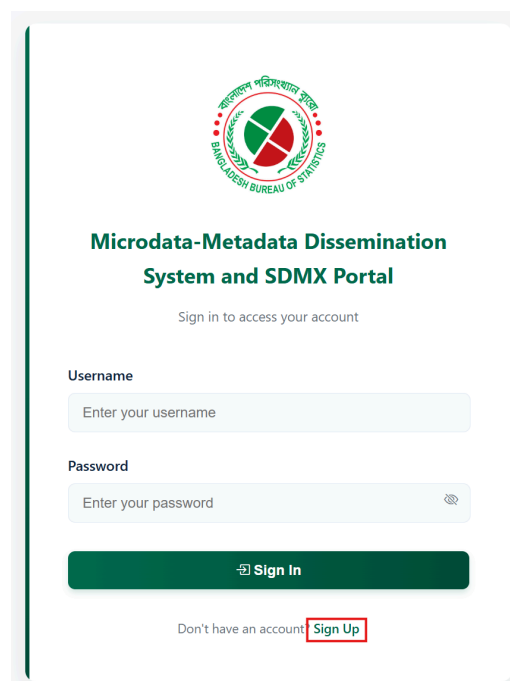
Bangladesh Bureau of Statistics

Table of Contents

User Registration.....	1
Sign In.....	2
Dashboard.....	3
1 Finding Dataset Using Search.....	3
2 Finding Dataset Using Filters.....	4
SDMX Tools.....	5
1 SDMX Console (Predefined Endpoints).....	6
2 Dynamic SDMX Link Generation.....	8
2.1 Type: Data.....	8
2.2 Type: Data Structure.....	10
Catalogue.....	11
Sign Out.....	12

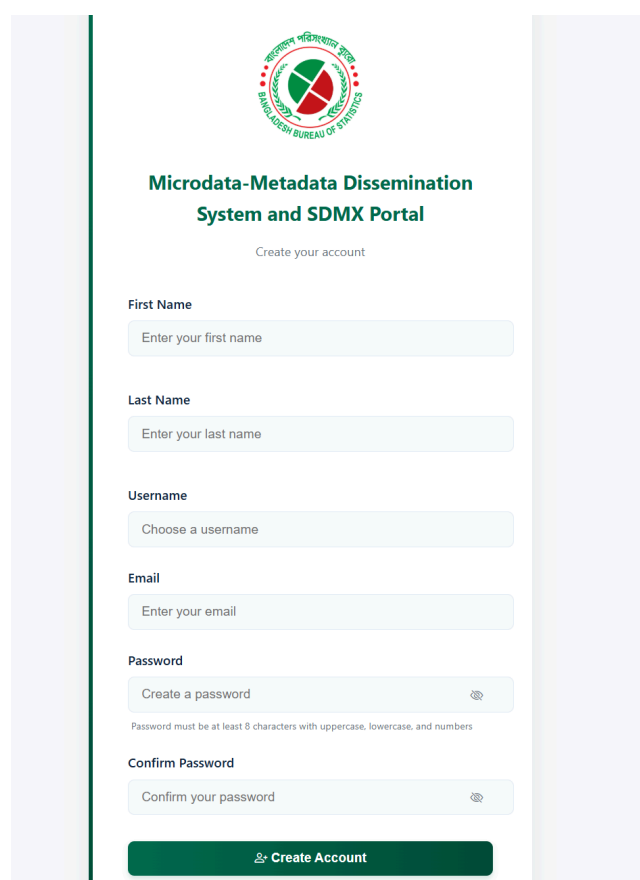
User Registration

1. Click 'Sign Up' from the website.



The image shows the 'Sign In' page of the Microdata-Metadata Dissemination System and SDMX Portal. At the top is the logo of the Bangladesh Bureau of Statistics. Below the logo, the title 'Microdata-Metadata Dissemination System and SDMX Portal' is displayed in green. Underneath, it says 'Sign in to access your account'. There are two input fields: 'Username' with the placeholder 'Enter your username' and 'Password' with the placeholder 'Enter your password' and a toggle icon. A green 'Sign In' button is below the fields. At the bottom, it says 'Don't have an account' followed by a red-bordered 'Sign Up' button.

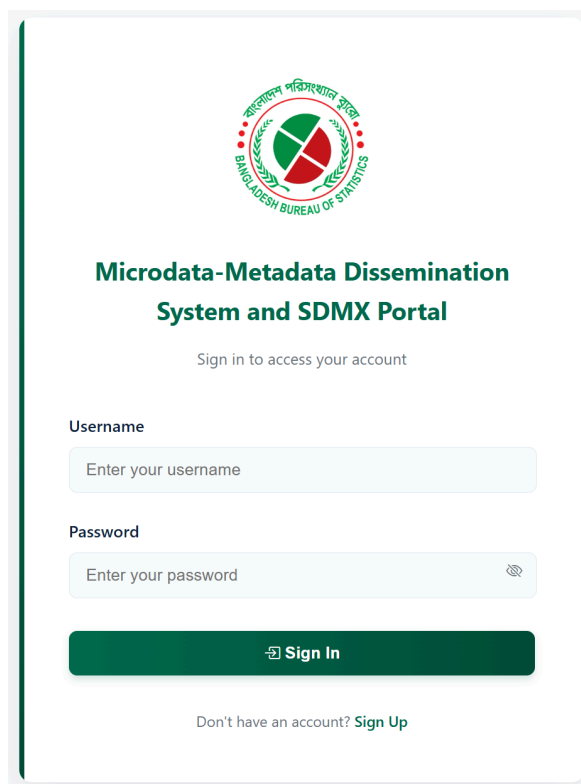
2. Fill up the information and press 'Create Account' button.



The image shows the 'Create Account' page of the Microdata-Metadata Dissemination System and SDMX Portal. At the top is the logo of the Bangladesh Bureau of Statistics. Below the logo, the title 'Microdata-Metadata Dissemination System and SDMX Portal' is displayed in green. Underneath, it says 'Create your account'. There are five input fields: 'First Name' (placeholder: 'Enter your first name'), 'Last Name' (placeholder: 'Enter your last name'), 'Username' (placeholder: 'Choose a username'), 'Email' (placeholder: 'Enter your email'), and 'Password' (placeholder: 'Create a password' with a toggle icon). Below the password field, a note states: 'Password must be at least 8 characters with uppercase, lowercase, and numbers'. There is a 'Confirm Password' field (placeholder: 'Confirm your password' with a toggle icon). At the bottom is a green 'Create Account' button.

Sign In

1. Fill up the 'Username' and 'Password' fields and press the 'Sign In' button.



The image shows a sign-in form for the 'Microdata-Metadata Dissemination System and SDMX Portal'. At the top is the logo of the Bangladesh Bureau of Statistics (BBS), which is a circular emblem with a green and red design and the text 'BANGLADESH BUREAU OF STATISTICS' and 'পরিচালনা পর্ষদ' in Bengali. Below the logo, the title 'Microdata-Metadata Dissemination System and SDMX Portal' is displayed in a bold, dark green font. Underneath the title, the text 'Sign in to access your account' is shown in a smaller, grey font. The form contains two input fields: 'Username' with a placeholder 'Enter your username' and 'Password' with a placeholder 'Enter your password' and a toggle icon. A dark green 'Sign In' button with a white icon is positioned below the password field. At the bottom, there is a link that says 'Don't have an account? Sign Up'.

If you are unable to sign in even with the correct username and password, it might be the case that your account has not been approved yet. Please wait for the approval from BBS.

Dashboard

1. The portal dashboard will appear once the sign-in has been completed successfully.
2. There are two ways to search for a dataset:
 - a. Search by the name of the dataset
 - b. Using dataset filters

Microdata-Metadata Dissemination System and SDMX Client

sdmx **Microdata-Metadata Dissemination System and SDMX Client**
This app allows you to fetch and view SDMX XML data from an API endpoint. You can view the XML response in a formatted manner or parse it into a table for easier analysis.

Search and Select Dataset:

Type to search datasets by name...

1. Select Category: Select category... 2. Select Year: First select category 3. Select Dataset: First select year

1 Finding Dataset Using Search

Click on the search box and type the name of the dataset. Click or press enter to select it.

Microdata-Metadata Dissemination System and SDMX Client

sdmx **Microdata-Metadata Dissemination System and SDMX Client**
This app allows you to fetch and view SDMX XML data from an API endpoint. You can view the XML response in a formatted manner or parse it into a table for easier analysis.

Search and Select Dataset:

Pop

Population and Housing Censsus 2022 sample
Population and Housing Census • 2022

Population and Housing Census 2011 sample
Population and Housing Census • 2011

Population and Housing Census 2001 sample
Population and Housing Census • 2001

2 Finding Dataset Using Filters

1. Choose the 'Category' for the desired dataset.

The screenshot shows a web interface with three columns. The first column, labeled '1. Select Category:', contains a dropdown menu with the text 'Select category...' and a downward arrow. The dropdown is open, showing a list of categories: 'Select category...', 'AC: Agriculture Census', 'PHC: Population and Housing Census' (highlighted in blue), 'EC: Economic Census', 'CSAFP: Census of Slum Areas and Floating Population', 'HC: Handloom Census', 'HIES: Household Income and Expenditure Survey', 'SVRS: Sample Vital Registration Survey', and 'LFS: Labour Force Survey'. The second column, labeled '2. Select Year:', contains a dropdown menu with the text 'First select category' and a downward arrow. The third column, labeled '3. Select Dataset:', contains a dropdown menu with the text 'First select year' and a downward arrow.

2. Then select the 'Year' for the desired dataset.

The screenshot shows the same web interface as the previous step. The first column, labeled '1. Select Category:', now has a dropdown menu with the text 'PHC: Population and Housing Census' and a downward arrow. The second column, labeled '2. Select Year:', contains a dropdown menu with the text 'Select year...' and a downward arrow. The dropdown is open, showing a list of years: 'Select year...', '1974', '1981', '1991', '2001', '2011', and '2022' (highlighted in blue). The third column, labeled '3. Select Dataset:', contains a dropdown menu with the text 'First select year' and a downward arrow.

3. At last, select the dataset.

The screenshot shows the same web interface as the previous steps. The first column, labeled '1. Select Category:', has a dropdown menu with the text 'PHC: Population and Housing Census' and a downward arrow. The second column, labeled '2. Select Year:', has a dropdown menu with the text '2022' and a downward arrow. The third column, labeled '3. Select Dataset:', contains a dropdown menu with the text 'Select dataset...' and a downward arrow. The dropdown is open, showing a list of datasets: 'Select dataset...', 'Population and Housing Cesnsus 2022 sample' (highlighted in blue), and another 'Select dataset...' entry.

SDMX Tools

1. After selecting a dataset, the SDMX section will appear.

Type to search datasets by name...

1. Select Category: PHC: Population and Housing Census

2. Select Year: 2022

3. Select Dataset: Population and Housing Census 2022 sample

SDMX Console (Predefined Endpoints) Dynamic SDMX Link Generation

Choose a predefined endpoint or enter a custom URL:

Predefined Endpoints

Select an endpoint...

API Endpoint URL

SDMX_URL/ v1/

Enter the endpoint path starting from v1/

Fetch XML Data

Predefined endpoints loaded successfully

There are two tabs under this section.

1. SDMX Console (Predefined Endpoints)
2. Dynamic SDMX Link Generation

SDMX Console (Predefined Endpoints) Dynamic SDMX Link Generation

Choose a predefined endpoint or enter a custom URL:

Predefined Endpoints

Select an endpoint...

API Endpoint URL

SDMX_URL/ v1/

Enter the endpoint path starting from v1/

Fetch XML Data

Predefined endpoints loaded successfully

1 SDMX Console (Predefined Endpoints)

1. Select an endpoint from the list of 'Predefined Endpoints' and press 'Fetch XML Data'.

SDMX Console (Predefined Endpoints)

Dynamic SDMX Link Generation

Choose a predefined endpoint or enter a custom URL:

Predefined Endpoints

Select an endpoint...

Select an endpoint...

DF_PHC_2022_INDIV

DF_PHC_2022_HH

DF_PHC_2022_EA

Fetch XML Data

Predefined endpoints loaded successfully

2. The "API Endpoint URL" field can also be edited, and data can be retrieved.

SDMX Console (Predefined Endpoints)

Dynamic SDMX Link Generation

Choose a predefined endpoint or enter a custom URL:

Predefined Endpoints

DF_PHC_2022_INDIV

API Endpoint URL

SDMX_URL/

v1/sdmx/rest/data/DF_PHC_2022_INDIV/ALL

Fetch XML Data

3. The XML response and CSV table can be downloaded by pressing the respective buttons.

[illegible]

2 Dynamic SDMX Link Generation

This is a powerful tool for creating SDMX links without requiring specific understanding of SDMX. There are two types of links that can be generated:

1. Data
2. Data Structure

The screenshot shows the 'Dynamic SDMX Link Generation' tab in the 'SDMX Console (Predefined Endpoints)' interface. Under the 'Select Type:' label, there is a dropdown menu. The menu is open, showing two options: 'Data' and 'Data Structure'. The 'Data Structure' option is currently selected and highlighted in blue.

2.1 Type: Data

This section provides dimension-specific data about the dataset.

1. Select a desired DATAFLOW from the dropdown menu.

The screenshot shows the 'Dynamic SDMX Link Generation' tab. The 'Select Type:' dropdown is set to 'Data'. Below it, the 'Select DATAFLOW:' dropdown is open, showing a list of dataflows: 'DF_PHC_2022_INDIV', 'DF_PHC_2022_HH', and 'DF_PHC_2022_EA'. The 'DF_PHC_2022_INDIV' option is selected and highlighted in blue. To the right of the dropdown list is a clipboard icon. Below the dropdowns are two buttons: 'Fetch Data' (green) and 'Reset' (white). At the bottom, a green status bar displays a warning icon and the text 'Loaded 3 Dataflows'.

2. Fill out all the dimension filter values. If you don't have any, use 'ALL' to include all values.

Select Type:

Data

Select DATAFLOW:

DF_PHC_2022_INDIV

Dimension Filters:

Leave as "ALL" to include all values

div:

zl:

cc:

upz:

ALL

ALL

ALL

ALL

psa:

un:

mza:

vl:

ALL

ALL

ALL

ALL

ea:

q1:

q16:

ALL

ALL

ALL

Generated Data Link:

SDMX_URL/ v1/sdmx/rest/data/DF_PHC_2022_INDIV/ALL.ALL.ALL.ALL.ALL.ALL.ALL.ALL.ALL

Fetch Data

Reset

- Click the 'Fetch Data' button to view the SDMXXML. The XML response and CSV table can be downloaded by pressing the respective buttons.

[illegible]

2.2 Type: Data Structure

This section provides the Data Structure Definition (DSD) of each dataflow that is specified in the 'Data' section previously.

1. After selecting the 'Data Structure' type, select a DSD to generate the link. Click the 'Fetch Data' button to view the SDMXXML.

SDMX Console (Predefined Endpoints) Dynamic SDMX Link Generation

Select Type:

Data Structure

Select DSD:

Select DSD...

PHC_2022_INDIV

PHC_2022_HH

PHC_2022_EA

Fetch Data Reset

Loaded 3 Data Structure Definitions

2. Click the 'Download XML' button to download the SDMXXML response.

Generated Data Structure Link:

SDMX_URL/ v1/sdmx/rest/datastructure/BBS/PHC_2022_INDIV/1.0

Fetch Data Reset

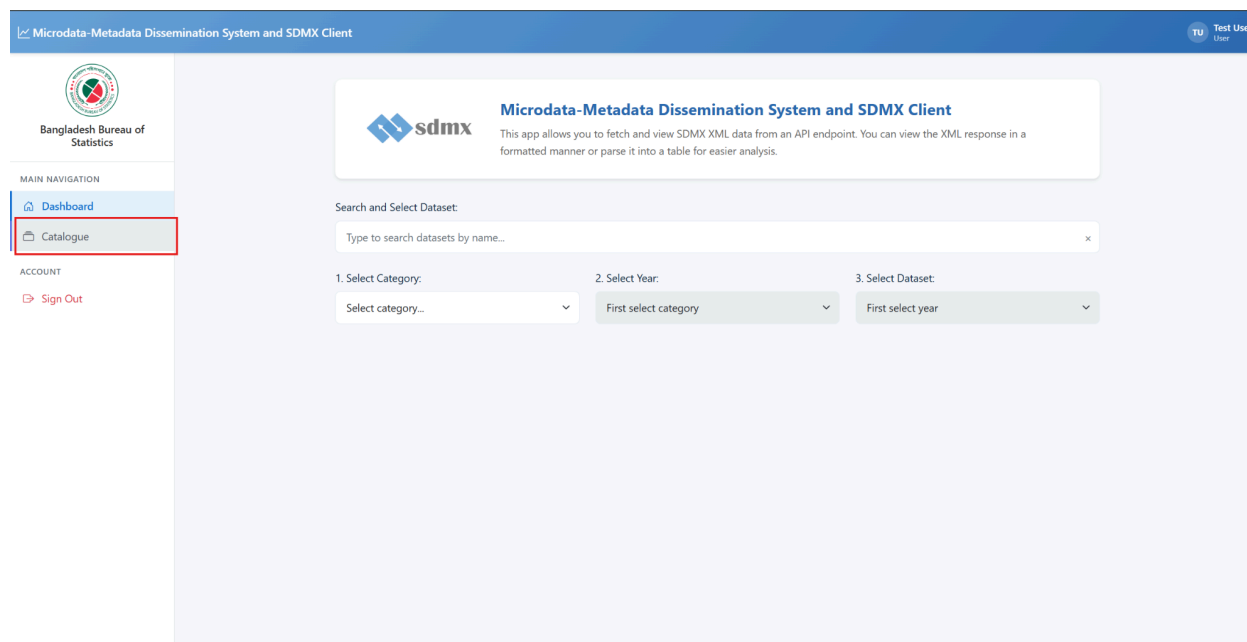
Results

Download XML

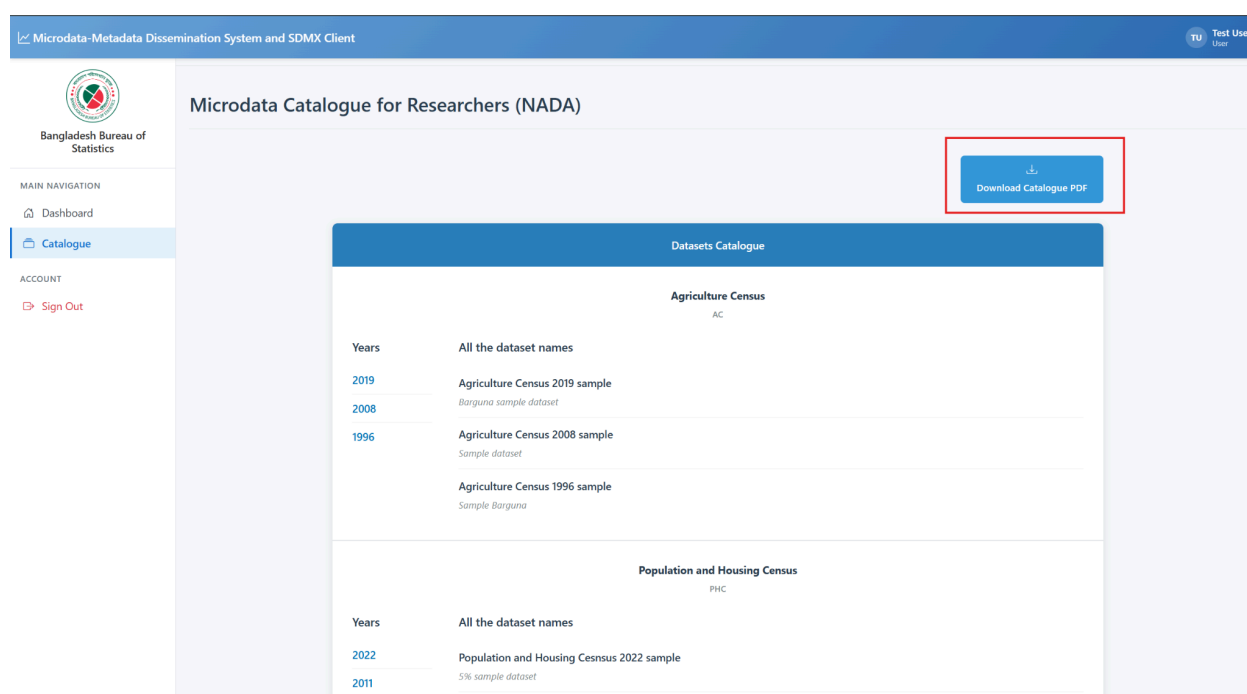
```
<message:Structure xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure structure.xsd"
xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common"
xmlns:message="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message"
xmlns:structure="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure">
  <message:Header>
    <message:ID>PHC_2022_INDIV</message:ID>
    <message:Test>false</message:Test>
    <message:Prepared>2025-12-28T02:50:51</message:Prepared>
    <message:Sender id="BBS" />
  </message:Header>
  <message:Structures>
    <structure:DataStructures>
      <structure:DataStructure id="PHC_2022_INDIV" agencyID="BBS" version="1.0">
        <common:Name xml:lang="en">PHC_2022_INDIV</common:Name>
        <structure:DataStructureComponents>
          <structure:DimensionList>
```

Catalogue

1. The Microdata Catalogue can be accessed from the navigation panel on the left side. Click the 'Catalogue' button.



2. The catalogue can be viewed directly from the website. It can also be downloaded using the 'Download Catalogue PDF' button.



Sign Out

Please remember to sign out of the website safely.

Microdata-Metadata Dissemination System and SDMX Client

sdmx Microdata-Metadata Dissemination System and SDMX Client

This app allows you to fetch and view SDMX XML data from an API endpoint. You can view the XML response in a formatted manner or parse it into a table for easier analysis.

Search and Select Dataset:

Type to search datasets by name...

1. Select Category: Select category... 2. Select Year: First select category 3. Select Dataset: First select year