

Enterprise ESG Ready Investment Data Model with Streamlit Analytics

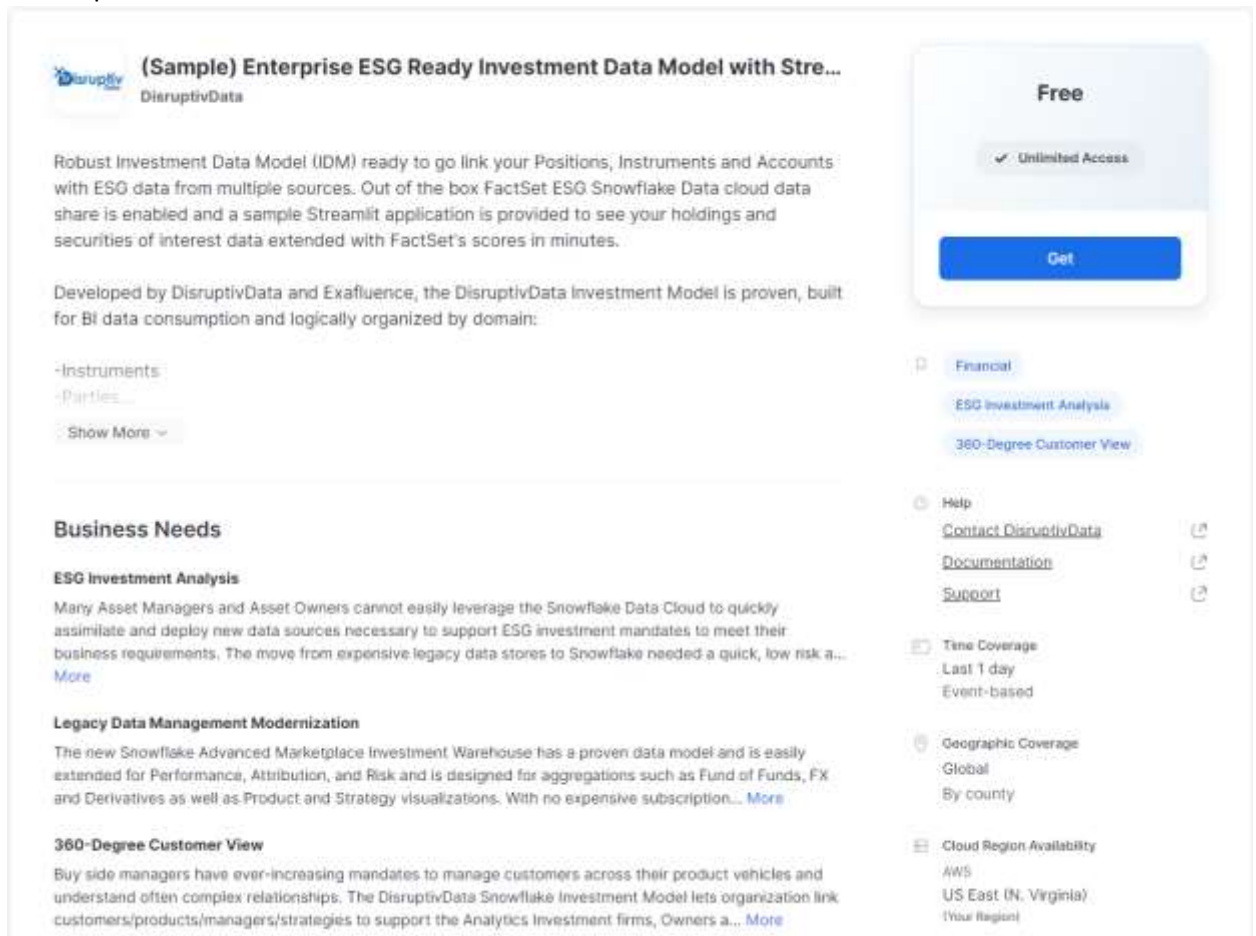
User Documentation

Pre-requisites

- Snowflake account
- ESG Data share by FACTSET from Snowflake Marketplace
- Our Investment Data Model from Snowflake Marketplace

Steps

- Step 1: Discover DisruptivData's Enterprise ESG Ready Investment Data Model on the Snowflake Marketplace.



The screenshot shows the Snowflake Marketplace listing for DisruptivData's Enterprise ESG Ready Investment Data Model. The listing includes a title, a description, a 'Free' badge with 'Unlimited Access', a 'Get' button, and a list of features. The 'Business Needs' section highlights three key areas: ESG Investment Analysis, Legacy Data Management Modernization, and 360-Degree Customer View. The right sidebar contains a 'Financial' section with links to 'ESG Investment Analysis' and '360-Degree Customer View', a 'Help' section with links to 'Contact DisruptivData', 'Documentation', and 'Support', and a 'Time Coverage' section with 'Last 1 day' and 'Event-based' options. The 'Geographic Coverage' section shows 'Global' and 'By county' options, and the 'Cloud Region Availability' section shows 'AWS' and 'US East (N. Virginia)' options.

(Sample) Enterprise ESG Ready Investment Data Model with Stre...
DisruptivData

Robust Investment Data Model (IDM) ready to go link your Positions, Instruments and Accounts with ESG data from multiple sources. Out of the box FactSet ESG Snowflake Data cloud data share is enabled and a sample Streamlit application is provided to see your holdings and securities of interest data extended with FactSet's scores in minutes.

Developed by DisruptivData and Exafluence, the DisruptivData Investment Model is proven, built for BI data consumption and logically organized by domain:

- Instruments
- Parties
- Show More ▾

Business Needs

ESG Investment Analysis
Many Asset Managers and Asset Owners cannot easily leverage the Snowflake Data Cloud to quickly assimilate and deploy new data sources necessary to support ESG investment mandates to meet their business requirements. The move from expensive legacy data stores to Snowflake needed a quick, low risk a... [More](#)

Legacy Data Management Modernization
The new Snowflake Advanced Marketplace Investment Warehouse has a proven data model and is easily extended for Performance, Attribution, and Risk and is designed for aggregations such as Fund of Funds, FX and Derivatives as well as Product and Strategy visualizations. With no expensive subscription... [More](#)

360-Degree Customer View
Buy side managers have ever-increasing mandates to manage customers across their product vehicles and understand often complex relationships. The DisruptivData Snowflake Investment Model lets organization link customers/products/managers/strategies to support the Analytics Investment firms, Owners a... [More](#)

Free
✓ Unlimited Access
[Get](#)

Financial
[ESG Investment Analysis](#)
[360-Degree Customer View](#)

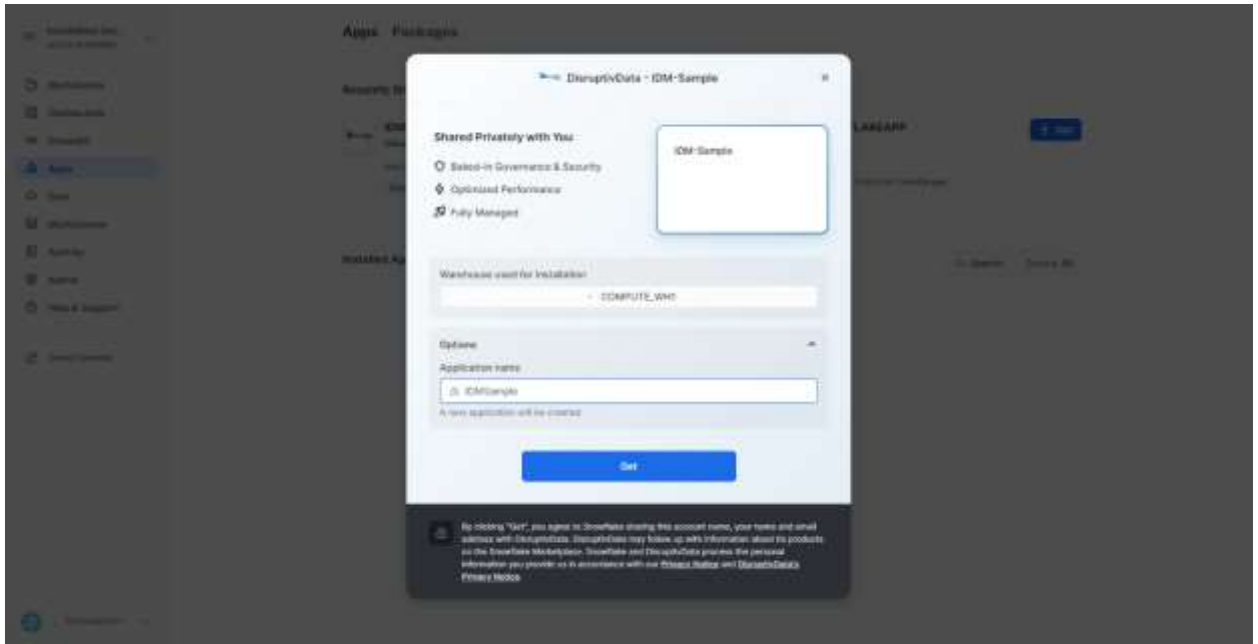
Help
[Contact DisruptivData](#)
[Documentation](#)
[Support](#)

Time Coverage
Last 1 day
Event-based

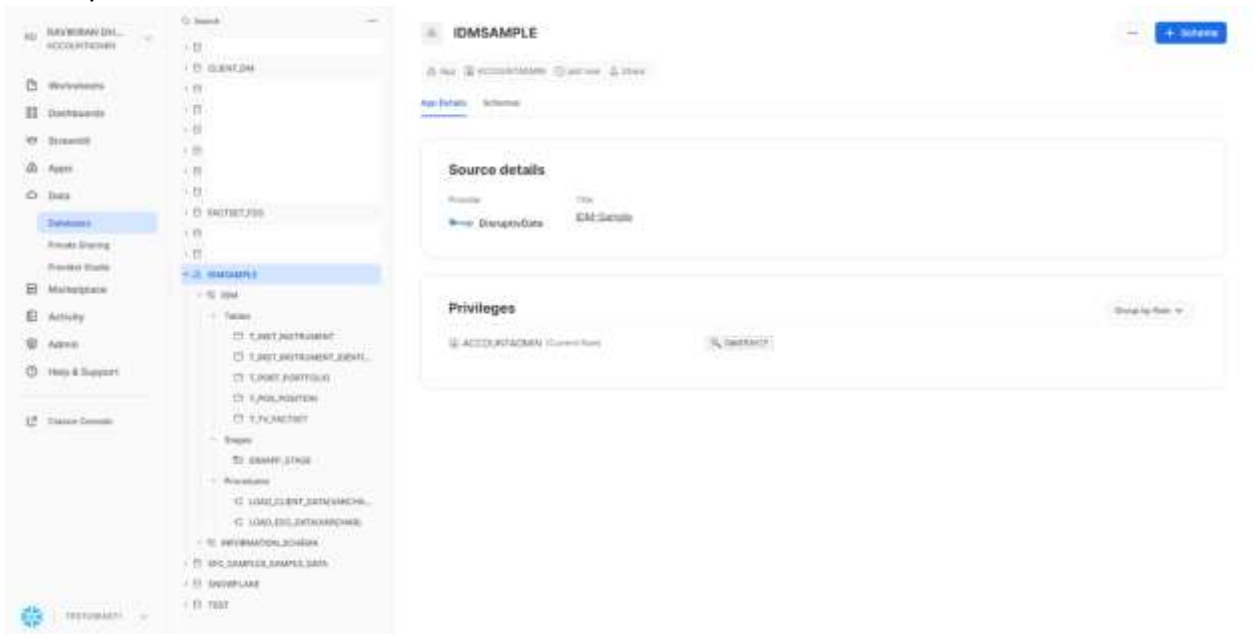
Geographic Coverage
Global
By county

Cloud Region Availability
AWS
US East (N. Virginia)
(Your Region)

- Step 2: Install the app effortlessly by navigating to the Snowflake Marketplace and selecting the DisruptivData IDM. Choose a warehouse, provide the application name, and click "Get" to initiate the installation process.



- Step 3: Access the data model tables and stored procedures of the IDM under the "Data" tab within your Snowflake account.



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- The screenshot displays the Snowflake web interface for the 'IDMSAMPLE / IDM' database. On the left, the 'Databases' section is expanded under the 'Marketspace' tab. The main panel shows the '5 Tables' section, listing the following tables:
- | NAME | TYPE | OWNER | SIZE | BYTES | CREATED |
|--------------------|-------|-----------|------|-------|-------------|
| T_INSTRUMENT | Table | IDMSAMPLE | 0 | 0.00 | 1 month ago |
| T_INSTRUMENT_INSTR | Table | IDMSAMPLE | 0 | 0.00 | 1 month ago |
| T_PORT_PORTFOLIO | Table | IDMSAMPLE | 0 | 0.00 | 1 month ago |
| T_POS_POSITION | Table | IDMSAMPLE | 0 | 0.00 | 1 month ago |
| T_TX_TRANSACTION | Table | IDMSAMPLE | 0 | 0.00 | 1 month ago |

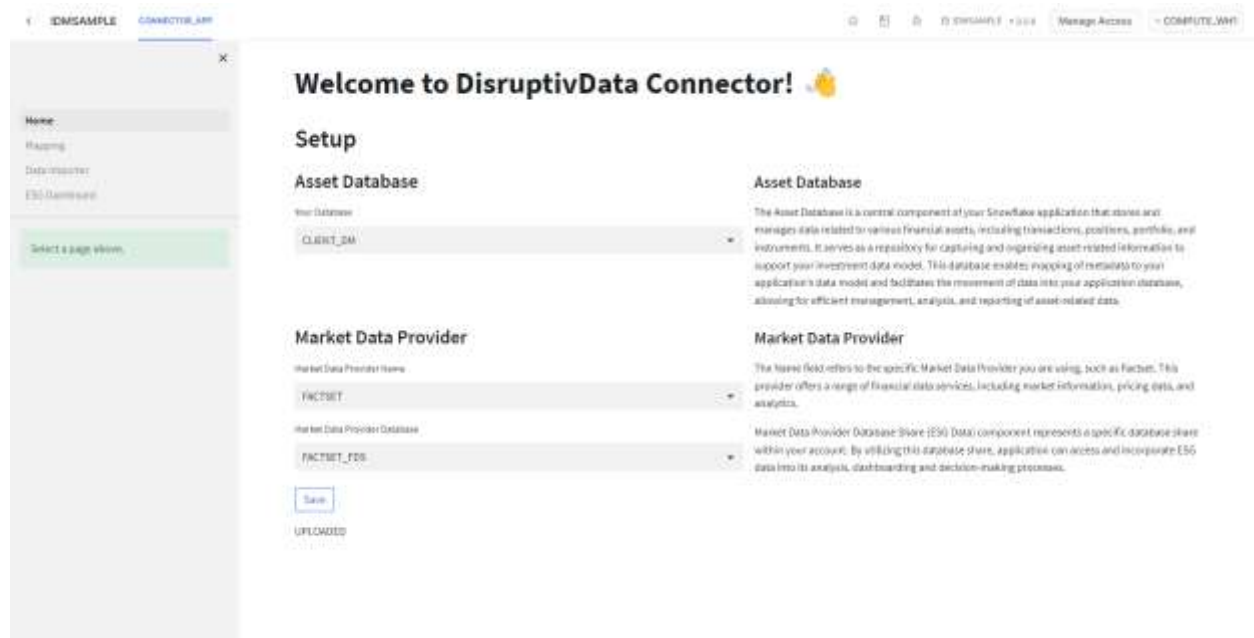
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- The screenshot shows the Oracle SQL Developer interface. On the left, a tree view displays the database structure, including the 'INFORMATION_SCHEMA' and 'FACTSET_F001' tables. The main editor window displays a SQL script with the following content:
- ```

1. GRANT USAGE ON DATABASE CLIENT_DM TO APPLICATION IDMSAMPLE;
2. GRANT USAGE ON SCHEMA CLIENT_DM_000 TO APPLICATION IDMSAMPLE;
3. GRANT SELECT ON ALL TABLES IN SCHEMA CLIENT_DM_000 TO APPLICATION IDMSAMPLE;
4.
5. GRANT USAGE ON DATABASE FACTSET_F001 TO APPLICATION IDMSAMPLE;
6. GRANT USAGE ON SCHEMA FACTSET_F001_000_V1 TO APPLICATION IDMSAMPLE;
7. GRANT USAGE ON SCHEMA FACTSET_F001_TV_V2 TO APPLICATION IDMSAMPLE;
8. GRANT SELECT ON ALL VIEWS IN SCHEMA FACTSET_F001_000_V1 TO APPLICATION IDMSAMPLE;
9. GRANT SELECT ON ALL VIEWS IN SCHEMA FACTSET_F001_TV_V2 TO APPLICATION IDMSAMPLE;
10.

```
- The script is a series of GRANT statements, with the first three lines granting usage and select privileges on the CLIENT\_DM database and schema to the APPLICATION IDMSAMPLE user. The remaining lines grant usage and select privileges on the FACTSET\_F001 database and schema to the same user.

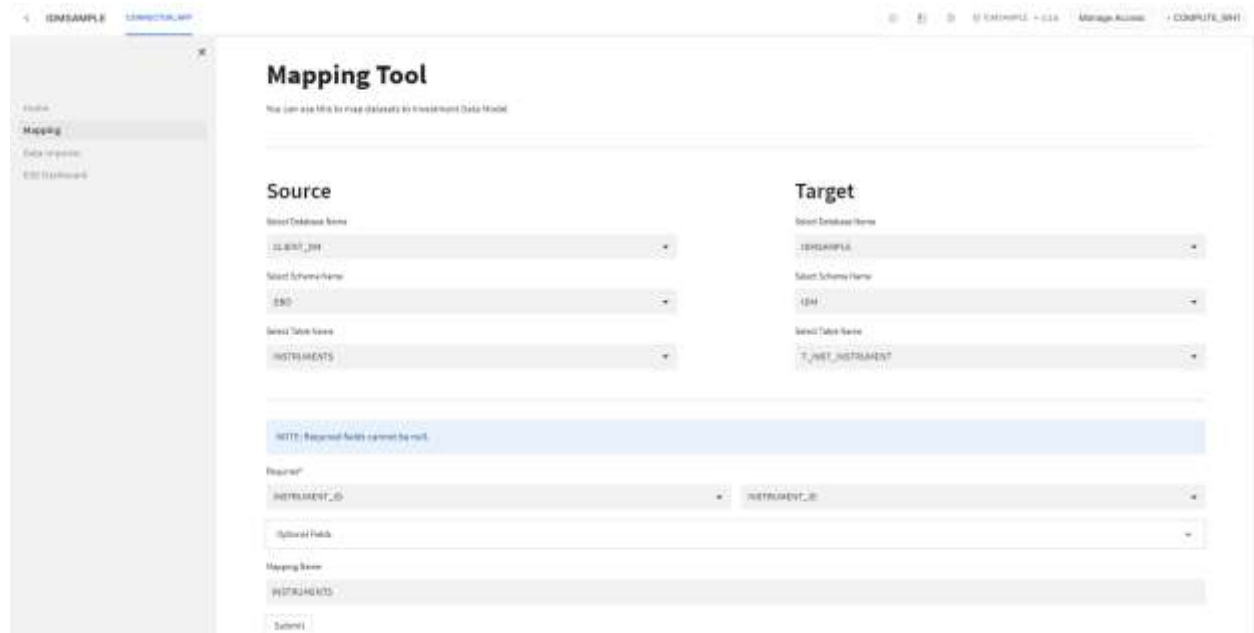
- 3 | Page

information.



The screenshot shows the 'Setup' page of the DisruptivData Connector. The left sidebar contains a navigation menu with 'Home', 'Mapping', 'Data Importer', and 'ESG Dashboard'. The main content area is titled 'Welcome to DisruptivData Connector!' and includes a 'Setup' section. Under 'Asset Database', there is a dropdown menu for 'Your Database' set to 'CLIENT\_IDM'. Under 'Market Data Provider', there is a dropdown menu for 'Market Data Provider Name' set to 'FACTSET' and another dropdown menu for 'Market Data Provider Database' set to 'FACTSET\_FDS'. A 'Save' button is visible at the bottom of the setup section. To the right of the setup fields, there are two informational text blocks: 'Asset Database' and 'Market Data Provider'.

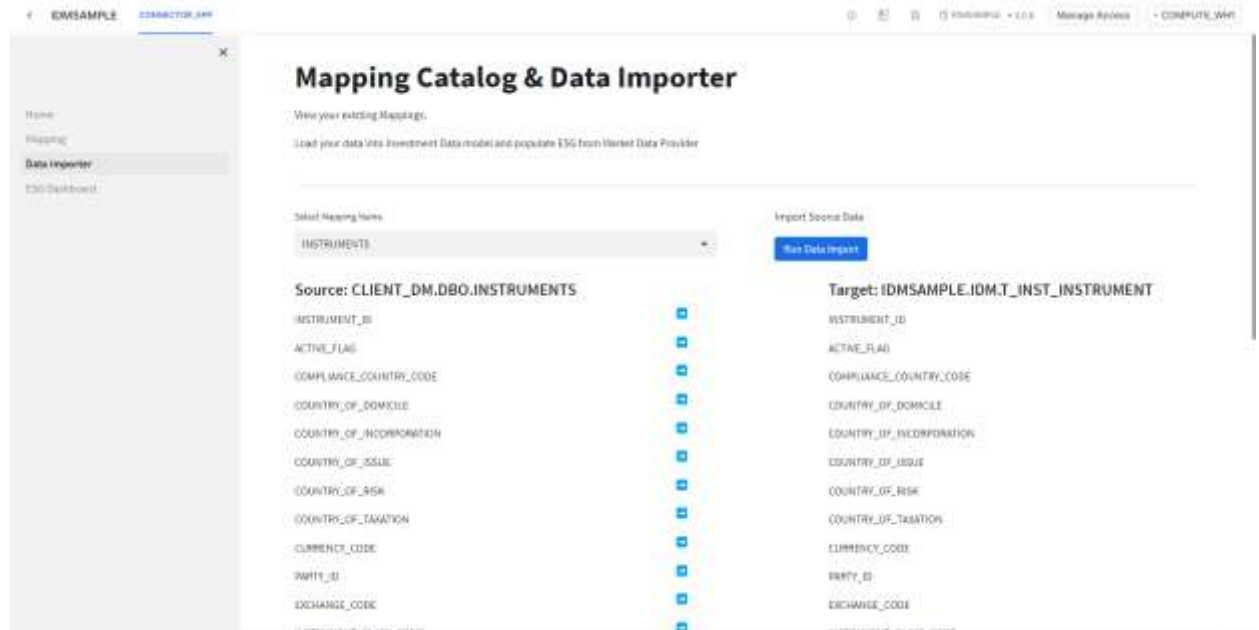
- Step 7: Utilize the mapping screen to establish and save mappings between your asset database tables and the corresponding data model tables within the IDM. This step ensures seamless data integration and synchronization.



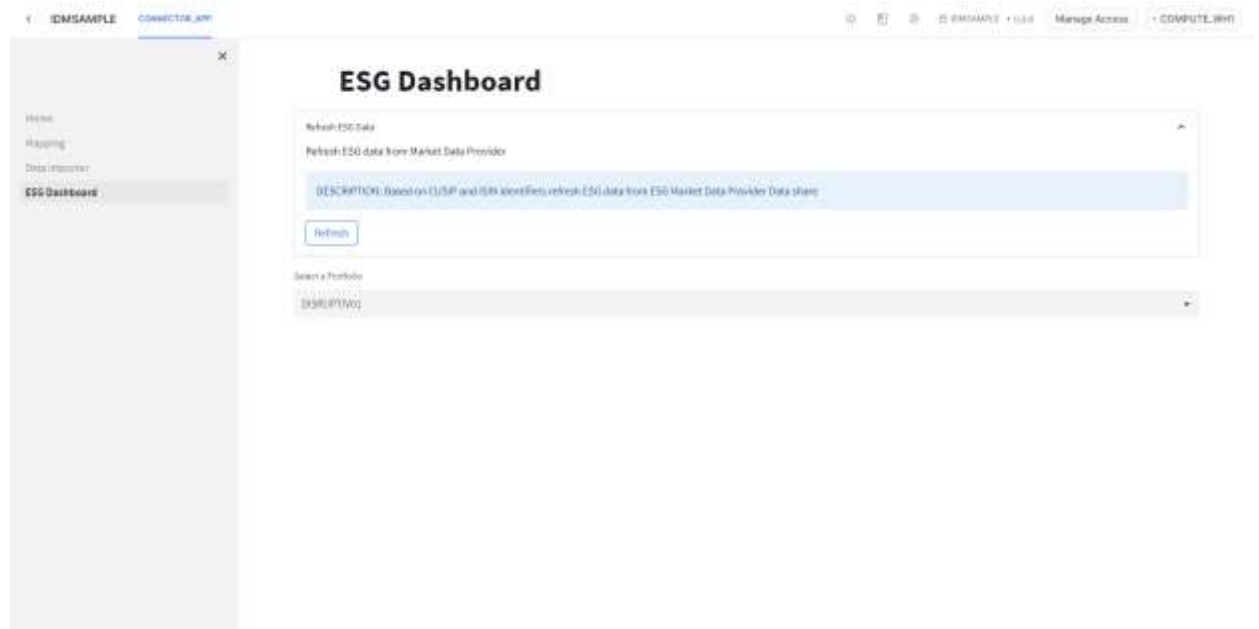
The screenshot shows the 'Mapping Tool' screen. The left sidebar is the same as the previous screen. The main content area is titled 'Mapping Tool' and includes a subtitle 'Use our app to map database to Investment Data Model'. The screen is divided into two main sections: 'Source' and 'Target'. Under 'Source', there are dropdown menus for 'Select Database Name' (CLIENT\_IDM), 'Select Schema Name' (ESG), and 'Select Table Name' (INSTRUMENTS). Under 'Target', there are dropdown menus for 'Select Database Name' (IDMSAMPLE), 'Select Schema Name' (IDM), and 'Select Table Name' (T\_INSTRUMENT). Below these sections, there is a 'Required' section with a dropdown menu for 'INSTRUMENT\_ID' and a 'Mapping' section with a dropdown menu for 'INSTRUMENTS'. A 'Save' button is at the bottom.

- Step 8: Leverage the Data Importer screen to easily import your asset data into the IDM's data model. The mappings defined in the previous step will be utilized to map and transform the data

accurately.



- Step 9: Access the ESG Dashboard, where you can review and analyze ESG data associated with your asset data. With the click of a button, refresh the ESG data from the market data provider share (FACTSET) to ensure you have the latest insights.



- Step 10: Explore the comprehensive ESG Dashboard, which provides ESG scores for each portfolio and security. Gain valuable insights and utilize the forecasting capabilities to make

informed investment decisions aligned with ESG principles.

