I. Introduction to the SIMA Melt and Pour Dashboard V1 January 2021

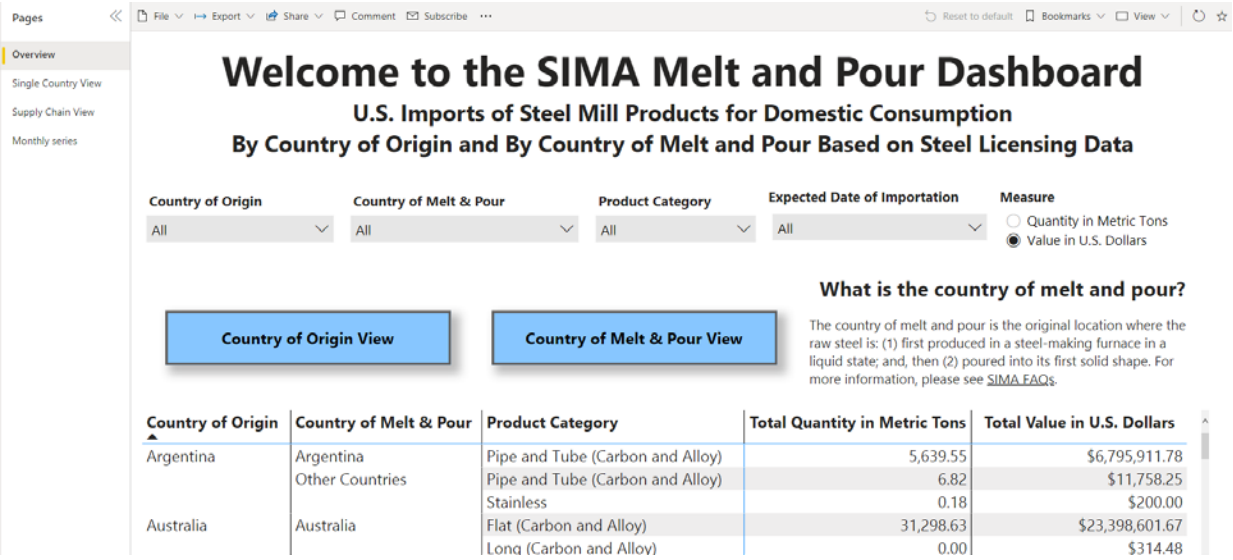
Welcome to the SIMA Melt and Pour Dashboard! This dashboard is part of the new modernized SIMA monitor. The dashboard gives users the opportunity to view a variety of trade statistics regarding our recently added "Country of Melt and Pour" field in Steel Import Monitoring and Analysis (SIMA) System's steel licenses. This dashboard will be updated once a month after the full month's data is available. As of launch, it covers 2 months of data for November and December 2020.

Here is the link to the monitor: https://www.trade.gov/steel

The data featured in this dashboard will be updated monthly, and will conform to standards intended to protect business proprietary information of US importers. Consequently, to maintain confidentiality and protect the identity of businesses and individuals., melt and pour data may be presented under the aggregate "Other Countries" grouping.

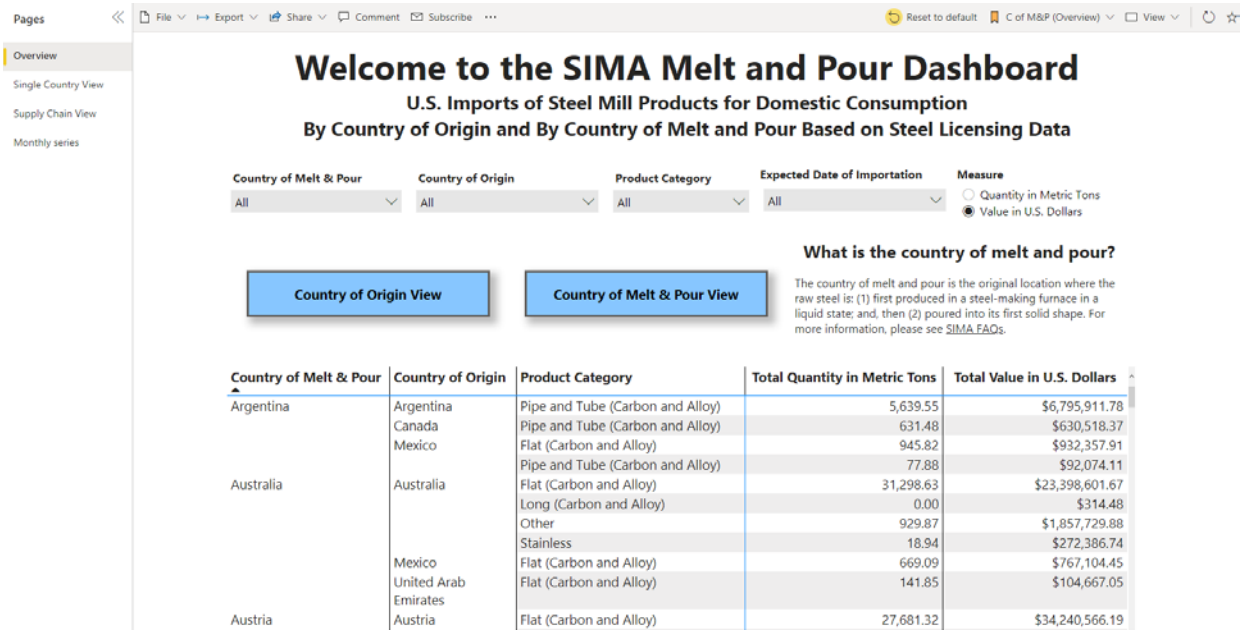
When entering the dashboard, please notice the four "pages" on the left. These pages navigate to four different views of the melt and pour data. These four pages are "Overview," "Single Country View," "Supply Chain View," and finally "Monthly Series." The details of each page will be discussed below.

Importantly, any filter the user applies can be quickly and simply reset by clicking the reset to default button on the top right. The button will appear yellow when any resettable selection is made. This will reset all filters from every tab to the default view seen below. Any changes or filters will not be saved.



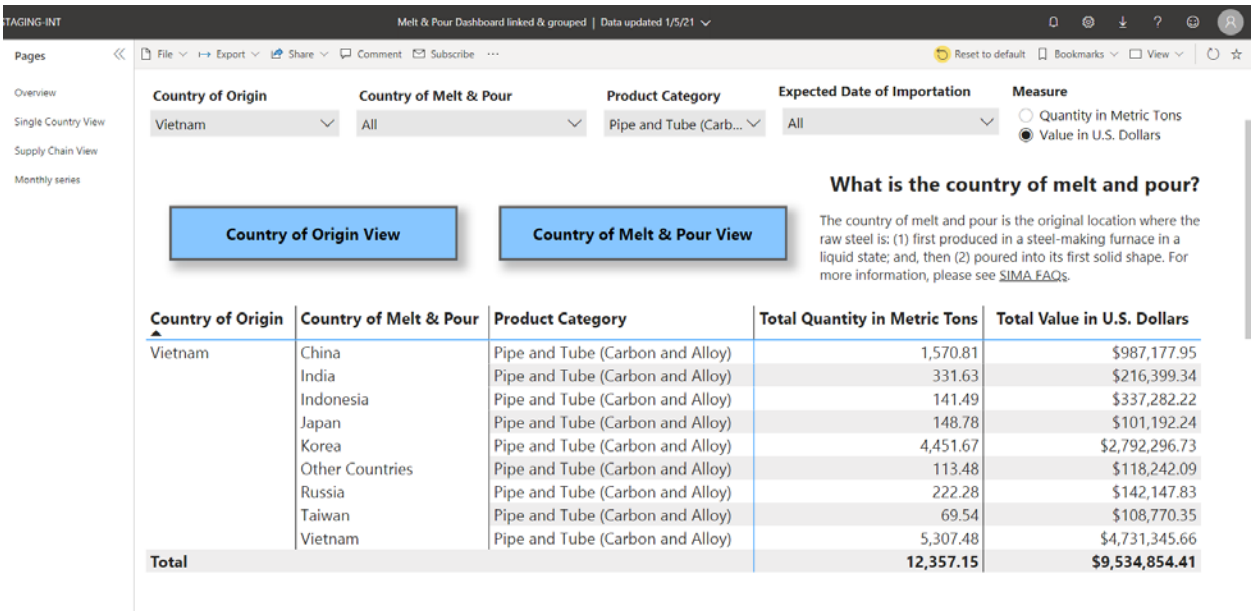
II. The Overview Page

The first page, the overview page, has two visuals, a detailed table and a map view. The two-blue boxed in the visual above allow you to sort which of the two columns is presented first in the main table. Country of Origin View allows the user to view which country of melt and pour corresponds to each country, and Country of Melt and Pour View allows the user to view which country of melt and pour corresponds to which countries of origin. These filters can be found on each subsequent page as well. Please note that the selections made in the five top filters will be reflected in the data presented in the tables and charts, although those selections may not be specified in the table/chart title. The Country of Melt and Pour View is seen below:



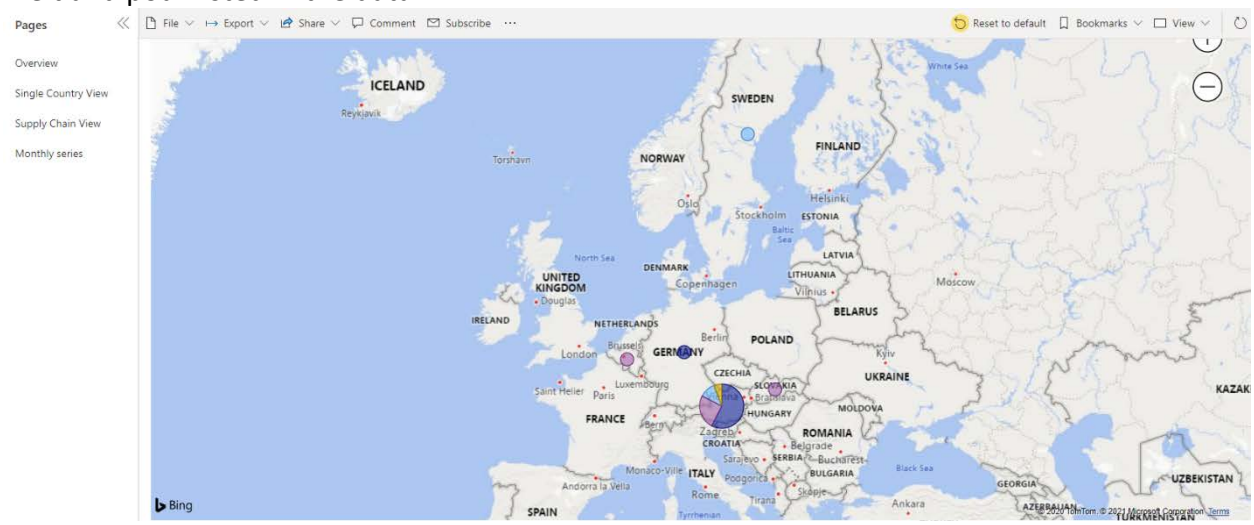
Country of Melt & Pour	Country of Origin	Product Category	Total Quantity in Metric Tons	Total Value in U.S. Dollars
Argentina	Argentina	Pipe and Tube (Carbon and Alloy)	5,639.55	$6,795,911.78
	Canada	Pipe and Tube (Carbon and Alloy)	631.48	$630,518.37
	Mexico	Flat (Carbon and Alloy)	945.82	$932,357.91
		Pipe and Tube (Carbon and Alloy)	77.88	$92,074.11
Australia	Australia	Flat (Carbon and Alloy)	31,298.63	$23,398,601.67
		Long (Carbon and Alloy)	0.00	$314.48
		Other	929.87	$1,857,729.88
		Stainless	18.94	$272,386.74
	Mexico	Flat (Carbon and Alloy)	669.09	$767,104.45
	United Arab Emirates	Flat (Carbon and Alloy)	141.85	$104,667.05
Austria	Austria	Flat (Carbon and Alloy)	27,681.32	$34,240,566.19

The information on this table can be filtered in the four selection boxes above containing: Country of Melt & Pour, Country of Origin, Product Category, and Expected Date of Importation. In addition, figures in the table can be changed between value in USD or quantity in metric tons. As an example, below is a view of Pipe and Tube products imported from Vietnam, with no filter on country of Melt & Pour. The data in this table would explain where pipe and tube product imported from Vietnam are originally melted and poured, by total value in USD.



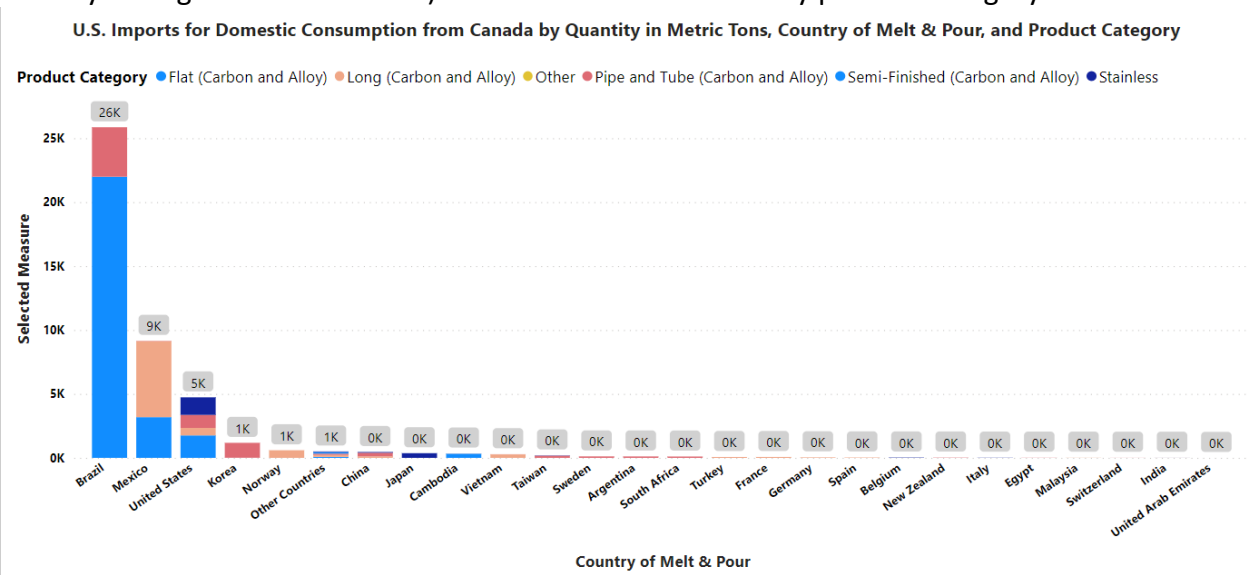
Country of Origin	Country of Melt & Pour	Product Category	Total Quantity in Metric Tons	Total Value in U.S. Dollars
Vietnam	China	Pipe and Tube (Carbon and Alloy)	1,570.81	$987,177.95
	India	Pipe and Tube (Carbon and Alloy)	331.63	$216,399.34
	Indonesia	Pipe and Tube (Carbon and Alloy)	141.49	$337,282.22
	Japan	Pipe and Tube (Carbon and Alloy)	148.78	$101,192.24
	Korea	Pipe and Tube (Carbon and Alloy)	4,451.67	$2,792,296.73
	Other Countries	Pipe and Tube (Carbon and Alloy)	113.48	$118,242.09
	Russia	Pipe and Tube (Carbon and Alloy)	222.28	$142,147.83
	Taiwan	Pipe and Tube (Carbon and Alloy)	69.54	$108,770.35
	Vietnam	Pipe and Tube (Carbon and Alloy)	5,307.48	$4,731,345.66
Total			**12,357.15**	**$9,534,854.41**

Lastly, on the bottom of this page, the map shows the value or quantity by melt and pour across the world. Each pie chart shows the breakdown by product category; hovering over a pie chart will display the value or quantity depending on which view is selected. Finally, filters at the top of the page will apply to the map, allowing displays of specific countries or products. Selecting a country of origin will also allow the user to see the main source of melted and poured steel for exports originating from through the country of origin. The below view is for all steel mill products with a country of origin as Austria, each pie chart represents a country of melt and pour listed in the data.

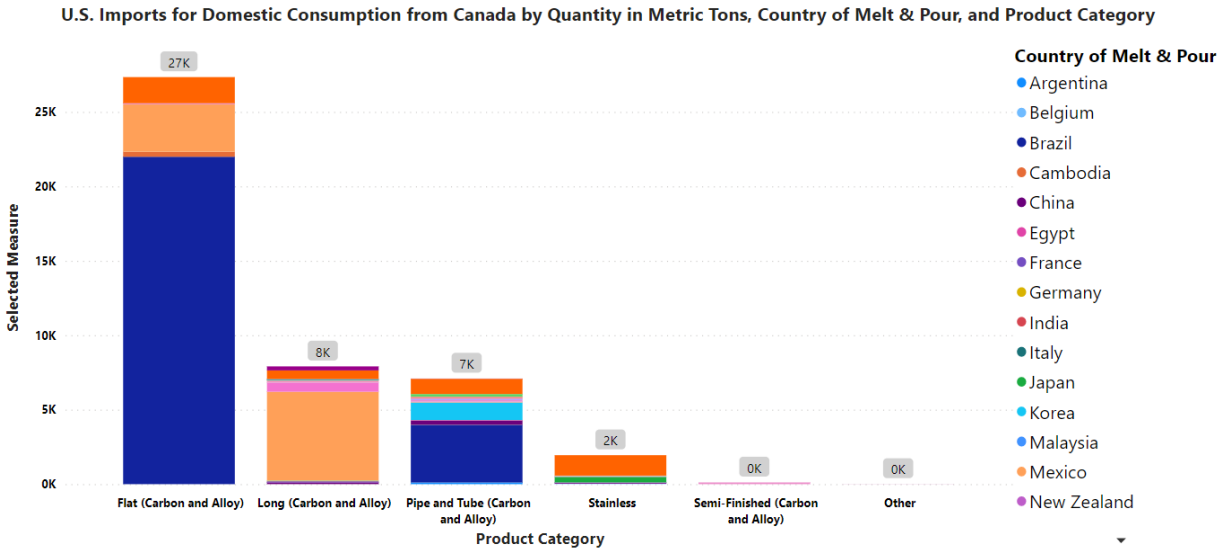


III. Single Country View

The second page allows the user to specify a single country and find detailed data relating to melt and poured steel originating in that country. While the four filters are the same as the first page, it is recommended that the user switch between country of origin view and country of melt and pour view and select a single country from the drop-down menu. These filters will allow the user to see a data table and two charts corresponding to the selected fields. The first is a bar chart, which displays proportional country of melt and pour information by country (if country of origin view is selected) and further broken down by product category.

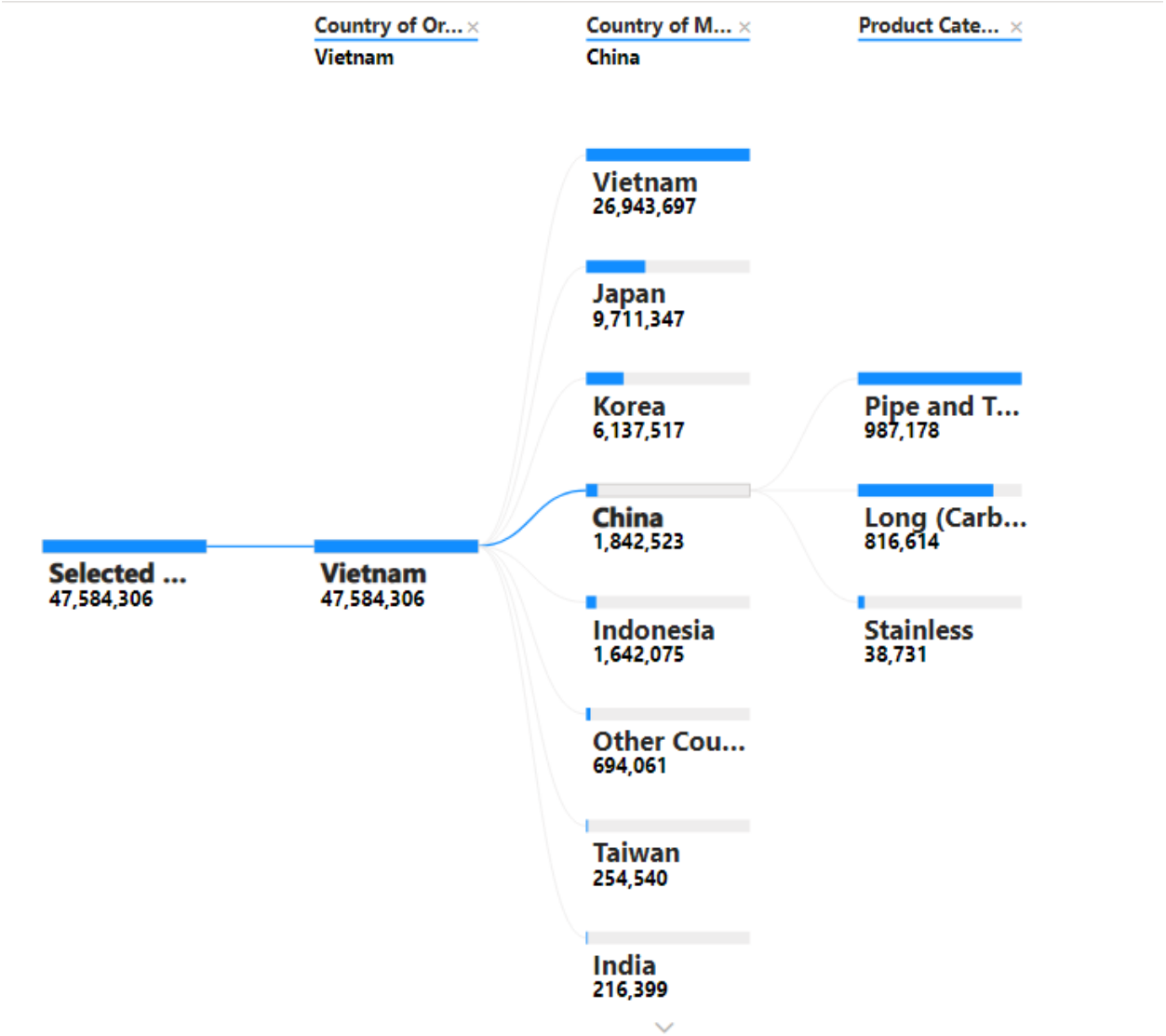


The second chart is a bar graph showing the same data as the first chart, but displays the data by product category. It is possible to remove individual countries from the analysis by altering the countries in selection dropdowns at the top of the page.



IV. Supply Chain View

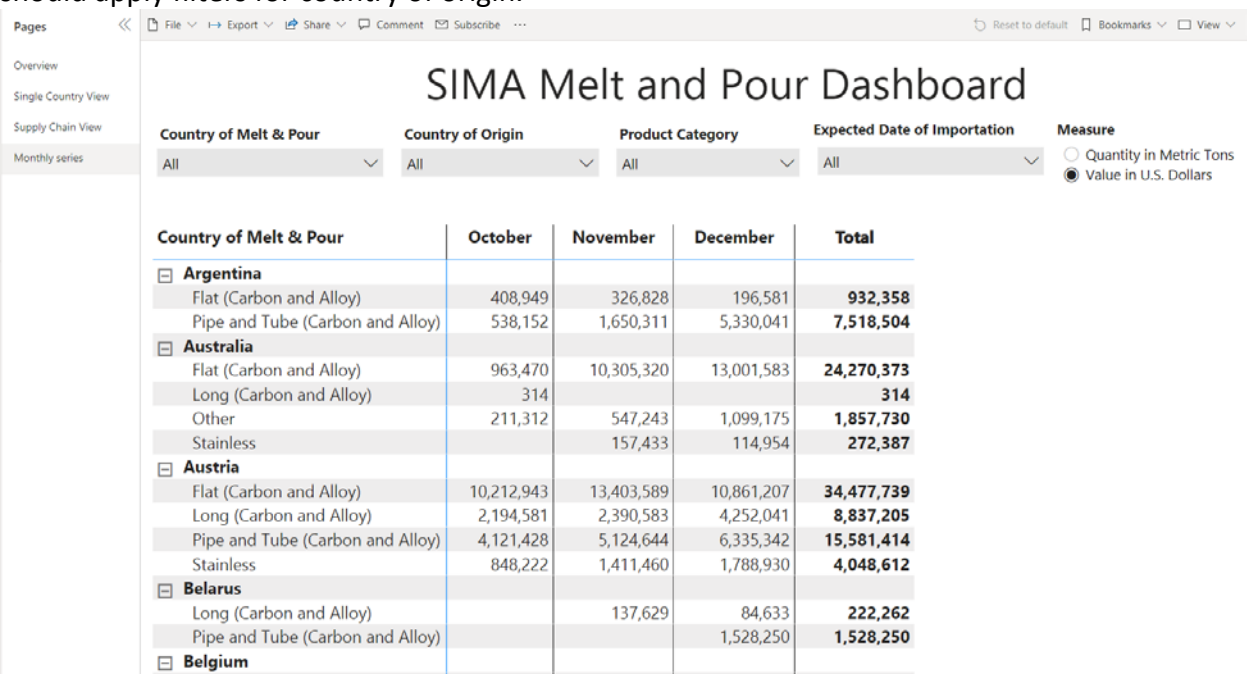
The third page of the SIMA Melt and Pour Dashboard is the Supply Chain View. This figure allows the user to see the data above in the form of a supply chain tree. The filters at the beginning of the page work the same, as above. After selecting a country of origin, the user can expand the tree by clicking on a specific country, as seen in the images below. This specific view shows the breakdown for steel with country of origin Vietnam, country of Melt and Pour China.



In addition, more countries can be viewed by clicking the down arrow in the list under country of melt and pour. The format of the chart can also be changed by viewing country of melt and pour first, and then drilling through by country of melt and pour, similar to the other pages.

V. Monthly Series

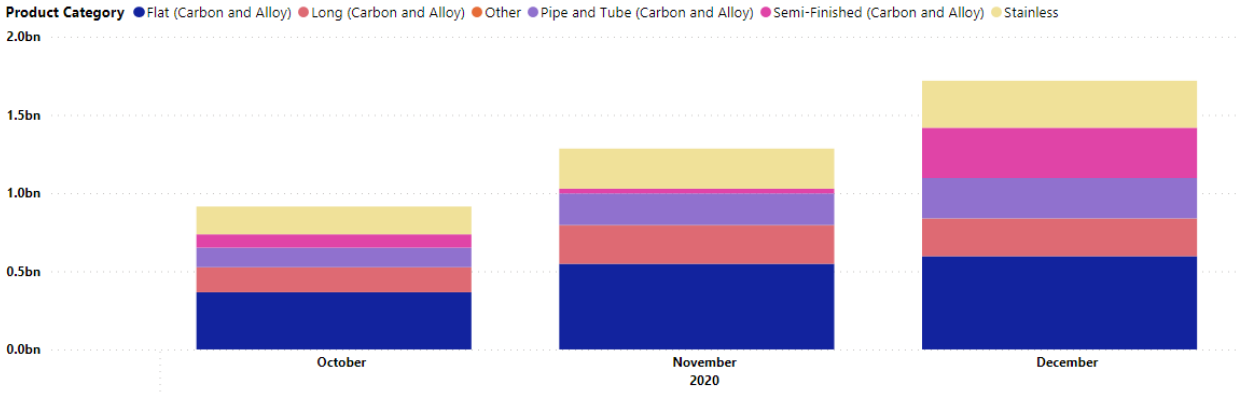
Lastly, the fourth page, Monthly Series, shows the data by month by country of Melt and Pour, and can be filtered by the same categories, including Country of Melt and Pour, Country of Origin, Product Category, and Expected Date of Importation, and the data can be viewed in Quantity or Value. The top of the page shows the time series chart, seen below, which features data for each month broken down by product category. This view only shows country of melt and pour. In order to view country of melt and pour data for a single country of origin, the user should apply filters for country of origin.



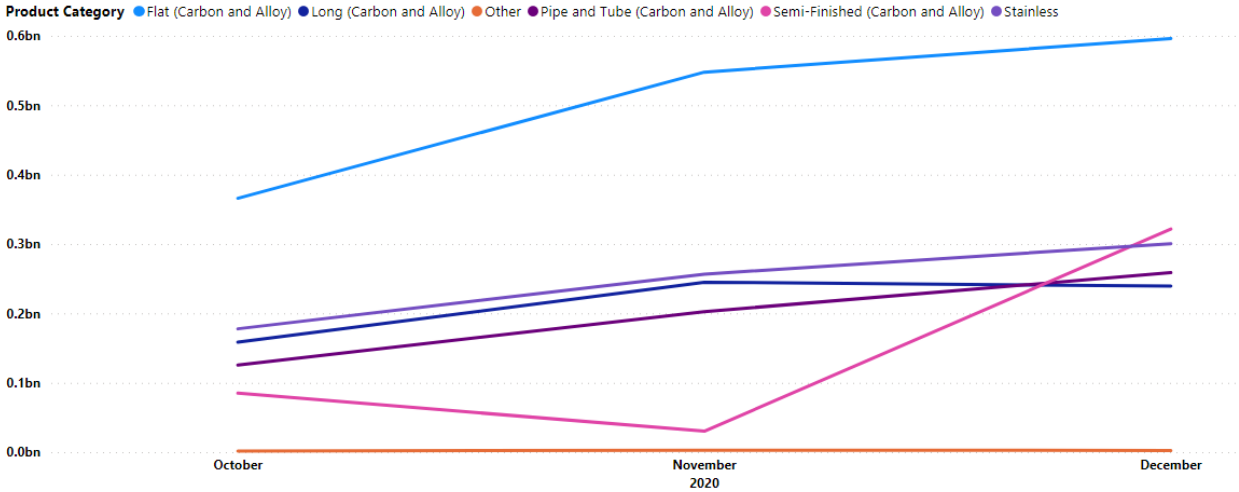
Country of Melt & Pour	October	November	December	Total
Argentina				
Flat (Carbon and Alloy)	408,949	326,828	196,581	**932,358**
Pipe and Tube (Carbon and Alloy)	538,152	1,650,311	5,330,041	**7,518,504**
Australia				
Flat (Carbon and Alloy)	963,470	10,305,320	13,001,583	**24,270,373**
Long (Carbon and Alloy)	314			**314**
Other	211,312	547,243	1,099,175	**1,857,730**
Stainless		157,433	114,954	**272,387**
Austria				
Flat (Carbon and Alloy)	10,212,943	13,403,589	10,861,207	**34,477,739**
Long (Carbon and Alloy)	2,194,581	2,390,583	4,252,041	**8,837,205**
Pipe and Tube (Carbon and Alloy)	4,121,428	5,124,644	6,335,342	**15,581,414**
Stainless	848,222	1,411,460	1,788,930	**4,048,612**
Belarus				
Long (Carbon and Alloy)		137,629	84,633	**222,262**
Pipe and Tube (Carbon and Alloy)			1,528,250	**1,528,250**
Belgium				

Below the table are two charts, one a bar chart and one a line graph showing the aggregate monthly information by product category. The filters at the top of the page will also apply to these charts.

U.S. Imports for Domestic Consumption: Value in U.S. Dollars by selected Country of Melt & Pour, Product Category and Expected date of Importation

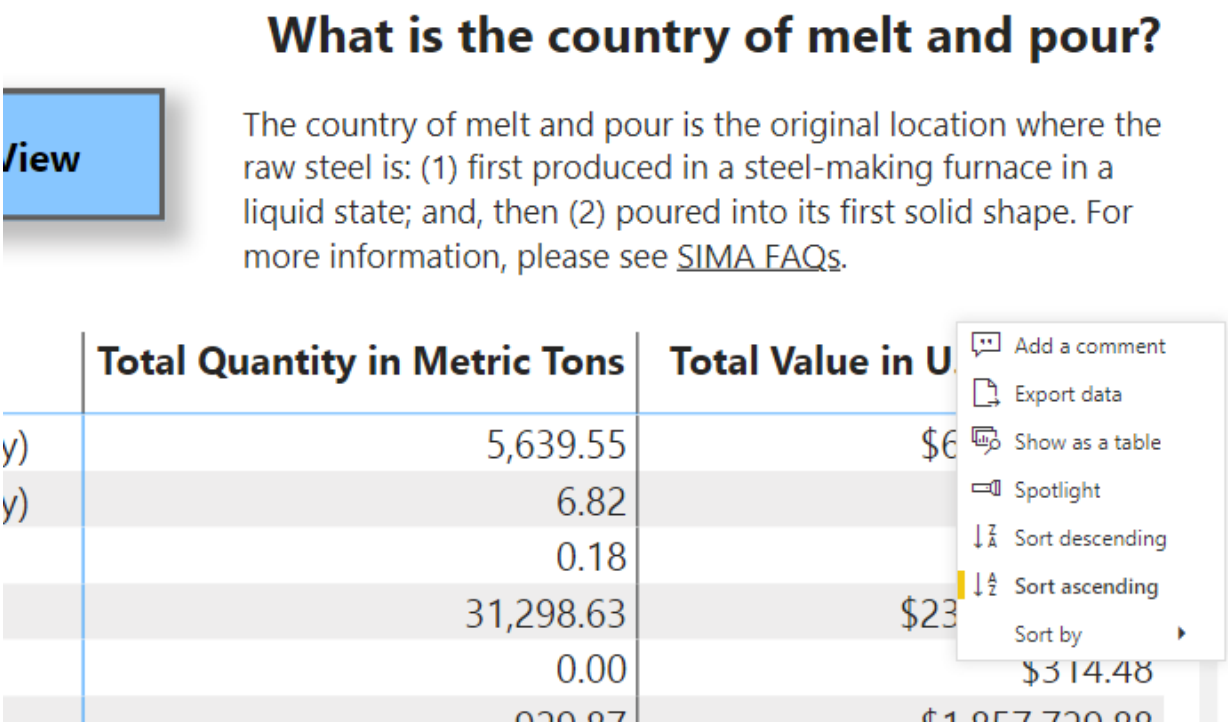


U.S. Imports for Domestic Consumption: Value in U.S. Dollars by selected Country of Melt & Pour, Product Category and Expected date of Importation

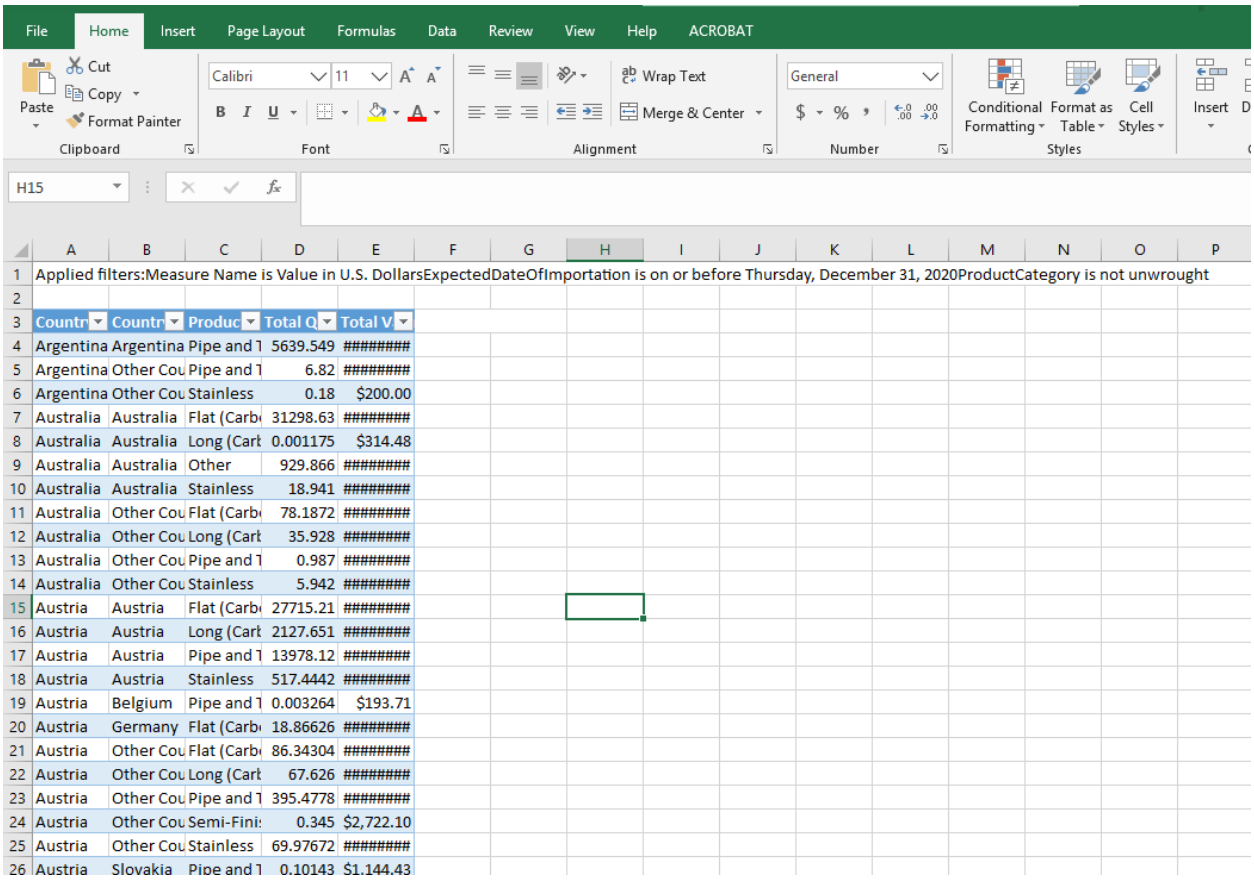


VI. Downloading Data and Creating Pivot Tables

In addition to viewing the data on the monitor, users can download and manipulate the data on their own in Excel. At the top right corner of each table, just above the scroll bar, two dots will appear, (note: they might be difficult to find, but will show up if the cursor is hovering above the table) after the user clicks on these two dots, the following drop down menu will appear. By clicking “export data” the user will be able to download the current table view for analysis in Excel.



After downloading and opening the Excel document, the user will be able to see the filters applied at download. This data can be organized and manipulated within Microsoft Excel. This data can be easily transformed into a pivot table by clicking on a cell within the table and going to Insert > Pivot table and clicking OK.

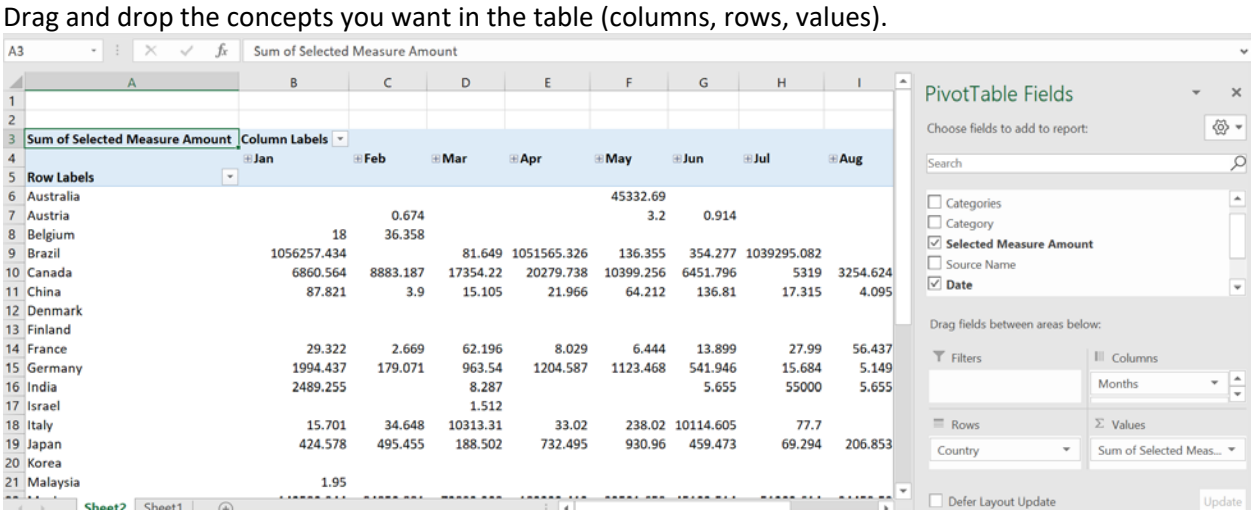


Applied filters:Measure Name is Value in U.S. DollarsExpectedDateOfImportation is on or before Thursday, December 31, 2020ProductCategory is not unwrought

Countr	Countr	Produc	Total Q	Total V
Argentina	Argentina	Pipe and T	5639.549	########
Argentina	Other Cou	Pipe and T	6.82	########
Argentina	Other Cou	Stainless	0.18	$200.00
Australia	Australia	Flat (Carb	31298.63	########
Australia	Australia	Long (Cart	0.001175	$314.48
Australia	Australia	Other	929.866	########
Australia	Australia	Stainless	18.941	########
Australia	Other Cou	Flat (Carb	78.1872	########
Australia	Other Cou	Long (Cart	35.928	########
Australia	Other Cou	Pipe and T	0.987	########
Australia	Other Cou	Stainless	5.942	########
Austria	Austria	Flat (Carb	27715.21	########
Austria	Austria	Long (Cart	2127.651	########
Austria	Austria	Pipe and T	13978.12	########
Austria	Austria	Stainless	517.4442	########
Austria	Belgium	Pipe and T	0.003264	$193.71
Austria	Germany	Flat (Carb	18.86626	########
Austria	Other Cou	Flat (Carb	86.34304	########
Austria	Other Cou	Long (Cart	67.626	########
Austria	Other Cou	Pipe and T	395.4778	########
Austria	Other Cou	Semi-Fini:	0.345	$2,722.10
Austria	Other Cou	Stainless	69.97672	########
Austria	Slovakia	Pipe and T	0.10143	$1,144.43

Delete the Rows 1 & 2, then INSERT and click on Pivot table, you will then be able to arrange your data into tables.

Drag and drop the concepts you want in the table (columns, rows, values).



Sum of Selected Measure Amount	Column Labels							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Row Labels								
Australia					45332.69			
Austria		0.674			3.2	0.914		
Belgium	18	36.358						
Brazil	1056257.434		81.649	1051565.326	136.355	354.277	1039295.082	
Canada	6860.564	8883.187	17354.22	20279.738	10399.256	6451.796	5319	3254.624
China	87.821	3.9	15.105	21.966	64.212	136.81	17.315	4.095
Denmark								
Finland								
France	29.322	2.669	62.196	8.029	6.444	13.899	27.99	56.437
Germany	1994.437	179.071	963.54	1204.587	1123.468	541.946	15.684	5.149
India	2489.255		8.287			5.655	55000	5.655
Israel			1.512					
Italy	15.701	34.648	10313.31	33.02	238.02	10114.605	77.7	
Japan	424.578	495.455	188.502	732.495	930.96	459.473	69.294	206.853
Korea								
Malaysia	1.95							

Here is a link to Microsoft's instructions on how to get started with using Pivot Tables: https://support.microsoft.com/en-us/office/video-create-a-pivottable-and-analyze-your-data-7810597d-0837-41f7-9699-5911aa282760

VII. Questions/Comments/Contact info

- If you have any questions, feel free to visit our website or contact us at the following email address.
- Check out the FAQs, Instructional Videos, and User Guides at https://www.trade.gov/us-industry-licensing Please email all questions to: steel.license@trade.gov