# การเข้าใช้ฐานข้อมูล CEIC Data (CDM)

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# START GUIDE CDMNext V.4.0

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#### 1. **PRODUCT OVERVIEW**

CDMNext offers a transformed web-based platform from a generic data extraction tool allowing users to create quick analysis in a form of insights with rapid and easy access to CEIC databases. We have introduced substantial improvements from performance to usability to capabilities over the previous web and desktop versions (WebCDM + CDM).

With the goal to improve user experiences with simple steps and clicks to complete a workflow, our proprietary platform conveys a new concept in data discovery, advanced visualization, data transformation, extraction, integration, management, collaboration and engagement.

#### 2. STARTING CDMNEXT

#### 2.1 Login



To access CDMNext, go to <u>https://insights.ceicdata.com</u> and log in with your registered email.

#### Forgot password?

Enter your registered email address to reset your password.

#### **Support Portal**

Login to CEIC Support Portal directly to access our

comprehensive Knowledge Base covering solutions and FAQs on data related questions, platform issues and CDMNext functionalities.

#### **Guest Mode**

For IP authenticated users who prefer to navigate CDMNext without registration, a guest access is available for the same subscribed data with limited platform functionalities.





#### 2.2 Prerequisites

CDMNext currently supports the following browsers and versions:

Browsers	Resolutions	Devices
Windows 7 and above 1) Internet Explorer 11+ 2) Google Chrome 31+ 3) Firefox 30+ 4) 360	<ul> <li>Desktop (with resolution 1920 x 1080 and up)</li> <li>Laptop (with resolution 1366 x 768 and up)</li> <li>Tablet (1024x768 - landscape</li> </ul>	<ul> <li>Desktops, Laptops</li> <li>iPad 3+</li> </ul>
Mac OS X Mavericks 1) Chrome (latest) 2) Firefox (latest) 3) Safari 9+	orientation) Tablet (768x1024 - portrait orientation)	
<ul> <li>iOS 8.0 and above</li> <li>1) Chrome (latest)</li> <li>2) Firefox (latest)</li> <li>3) Safari (latest)</li> </ul>		
Android 5.0 and above1) Chrome (latest)2) Firefox (latest)		

#### 2.3 Landing Page

Upon logging on CDMNext, the landing page starts with intuitive search to help you discover CEIC data series and other insights / reports.

The data and insight discovery tool on the left panel allows users to easily navigate all the available content in our CEIC databases, Analysis, Comparables, Release Calendar and Watchlist by searching and/or browsing.

The right panel is reserved for managing / editing users' own insights. Users can retrieve their saved / shared insights in 'My Insights' folder.



CEIC	
All Regions ~ Q Search	6,133,701 series >
Indicator -> Frequency -> Source -> Status -> More -> >>	
Data Analysis Comparables Releases 🌲 Watchlist …	
DatabasesSeriesDatasetsHWorld Trend Plus (350,890)HGlobal Database (3,816,251)HGlobal Key Series Database (38,736)HMarkit Purchasing Managers' Index (5,305)HDaily Database (34,014)HBrazil Premium Database (346,443)HRussia Premium Database (226,579)HIndia Premium Database (478,659)HIndonesia Premium Database (385,451)HChina Premium Database (344,111)	

The tabs below the search bar provides the different viewing modes to navigate the search results.

- 1. Data access to the full CEIC Databases, individual series and datasets
- 2. **Analysis** access to all CEIC Insights, EMIS Insights, and other third-party reports (added intelligence on data and current events)
- 3. Comparables standardized list of key series grouped by region
- 4. Releases release schedule of series in a timeline
- 5. Watchlist latest updates and notification management on selected series

To customize your own landing page, click on ... to select the tabs to display in your preferred order.

Select tabs to display		×
🖌 Data	Select the tabs to display. Drag and drop tabs to the preferred order.	
<ul> <li>Analysis</li> </ul>		
Comparables	•	
Releases	•	
Watchlist	Ŧ	
	Cancel	Save



### 3. CREATING INSIGHTS

To create an insight, simply add or drag & drop the selected series to the right panel. This action automatically adds the series to My Series.

				6,194,756 series ∨ × 1 selected 🖋	< View as
				Unselect	My Series
				× New Series ×	
				🌲 🗄 🗠 🕿 🗄 🕂 🗸	Line
↑ 162%	8,490 ZAR mn	Annual 03/2015 - 03/2019	Updated 16/10/2019	Add series ("A" or click) Add and replace series ("R	" or CTRL + click)
↑ 90.31%	15,809 ZAR mn	Annual 03/2015 - 03/2019	Updated 16/10/2019	South African Reserve +	
↓ 53.85%	2,554 ZAR mn	Annual 03/2015 - 03/2019	Updated 16/10/2019	South African Reserve Hank	Area
↑ 158%	6,259 ZAR mn	Annual 03/2015 - 03/2019	Updated 16/10/2019	South African Reserve Hank	l de l
↑ 65.91%	438 ZAR mn	Annual 03/2015 - 03/2019	Updated 16/10/2019	South African Reserve Hank	Column
↑ 275%	6,675 ZAR mn	Annual 03/2015 - 03/2019	Updated 16/10/2019	South African Reserve Hank	
↑0%	-1 ZAR mn	Annual 03/2015 - 03/2018	Updated 16/10/2019	South African Reserve Hank	Bar
↑ 46.53%	211 ZAR mn	Annual 03/2015 - 03/2018	Updated 16/10/2019	South African Reserve Hank	
↑0%	100 ZAR mn	Annual 03/2019 - 03/2019	Updated 16/10/2019	South African Reserve Hank	Table

Once series are added to the right panel, an insight is automatically created in your account. You may name your insight to save it properly to My Insights.

	< My insigh	ts > Name	your insight 💉 🕻	×				
ſ	My Series S	Sheet 1 🚽	-					
P	Related Series	💉 Renam	e 💿 📋 🗅 ~	)	n i			\$
	List Table	🌣 4 series	s 🖿 <u>Group added</u>	<u>series</u>				Sort By 🗸
	C Filter	r by name, reg	jion, unit, frequency					
	□ SARBG: Co ↑ 248 %	omprehensiv 7,113	e Income (CI) South Africa	Annual	Updated: 11/21/2019	ZAR mn	Active	^
	SARBG: PY ↑ 162 %	1: Profit Befo 8,490	re Taxation (BT) South Africa	Annual	Updated: 11/21/2019	ZAR mn	Active	
	SARBG: PY	Y: BT: TI: Net 2,554	Interest Income (N South Africa	l) Annual	Updated: 11/21/2019	ZAR mn	Active	
	SARBG: PY	15,809 Y: BT: Total Ir	ncome (TI) South Africa	Annual	Updated: 11/21/2019	ZAR mn	Active	



You may add additional sheets to your insight for visual creation, including line, area, column, bar, pie, table, map heatmap, or to insert a text box for commentary, image or URL.



Drag series here





Next to the insight title on the right, you may click on the cogwheel to set special setting or share the insight with other colleagues within the organization.

< My insights > Name your in	nsight 💉 🌣		Share (1 insight)		×
My Series Sheet 1 +	View		The following people can access the	insight:	
🛃 Line 🗸 📩 Area 🗸 👖 Column	+ New	Гε	vс	vchan@isimarkets.com	owner
Edit Chart Edit Series Add	🝃 Open Recent	>	Any user of CDMNext		none 🗸
	Save		Any user within Internal Accounts co	mpany	none 🗸
7	Save as				
Zoom 3y	Delete				
15 000 0000	▲ Download				
10,000.0000	🌣 Settings				
10.000.0000	C Refresh		Invite specific:    Users   Acco	ounts O Companies	
E	Lat Share		Select people you want to invite		can view ~
AR		_			

Next to the insight title on the left, you may click on My Insights on the left of the breadcrumbs to explore 'My Insights' that contains all of your insight collections (created/saved by yourself and shared by others).





Under the Analysis tab, you may copy and customize one of the insights in your account. You may choose to preview or customize the insight when you mouse hoover the selection.

After clicking on 'customize,' a copy will be created to right panel under My Insights. You may rename this insight, or make further edits in the saved copy.



#### 3.1 Data Discovery

On the landing page, the search is presented in the center of the screen. When the right panel is expanded for insight editing, the search will be minimized to the left panel.

You may adjust the size of the search screen to best fit your current activity.

6009	Download	?		V
All Regions ✓ Q Search	6,133,701 serie	s ~	<	View as
Indicator v Frequency v Source v Status v More v More v My searches v				
Data Analysis Comparables Releases 🌲 Watchlist ····			Mv	Series
Databases Series Datasets				
World Trend Plus (350,890)     Global Database (3.816,251)			ļ	N Line
Global Key Series Database (38,736)     Markit Purchasing Managers' Index (5,305)				
<ul> <li>Daily Database (34,0:14)</li> <li>              Brazil Premium Database (346,443)      </li> </ul>				Area
Russia Premium Database (226,579)     India Premium Database (476,659)     India Premium Database (385,451)     China Premium Database (385,451)			Co	olumn
Asia Forecasting Service (5.844)     OECD - Main Economic Indicators (89,505)     OECD - Economic Outlook (16,675)     OECD - Economic Outlook (16,675)     OECD - Economic Outlook (16,675)				Bar
OECD - National Accounts (234,577)     OECD - National Accounts (234,577)			Ę	[able



In the search bar, you may type in any keyword combination to run through CDMNext to locate the desired data series and insights.

API and R subscribers can retrieve the search results in those platforms, by selecting to perform the search as an R code or API call.

All Regions ~ Q Search	6,133,701 series >
Indicator v Frequency v Source v Status v More v 🕞 My searches v	Copy as URL
Data Analysis Comparables Releases 🌲 Watchlist 🚥	Copy as PyCEIC code
Databases Series Datasets	Opy as API call >

Next to the search bar, you may select the **region** filter to narrow down results by geographical location.

All Regions A Q Search			6,196,756 series ~ >
Search			
Exclude values			
All China			
All regions	(5,234,184)	Afghanistan	(5,961) ^
Africa and the Middle East	<mark>(</mark> 565,790)	Albania	(18,963)
Asia Pacific	(1,940,265)	Algeria	(12,016)
Australia and Oceania	(144,655)	American Samoa	(67)
Europe and Central Asia	(1,710,679)	Angola	(7,848)
North and South America	(872,795)	Antigua and Barbuda	(5,321)
		Argentina	(23,301)
		Armenia	(14,199)
		Aruba	(3,906)
		Australia	(66,642)
		Austria	(22,644)
		Azerbaijan	(9,522)
			Apply filter



All the other multi-dimensional filters include the economic **indicators** in first and second levels (defined by CEIC database structure), **frequency**, **source**, **status**, and more.

Additional options in more include more filters to search by units, observation period, series name only, subscription only, new series / key series only, forecast series, series with release schedule, and/or series with suggestion for rebased/discontinued series.

All Regions ~ Q Searcl	h				
Indicator - Frequency - S	ource v Status v	More 🔿 🕞	Mv sea	arches ~	
Unit Search Exclude values USD % EUR Person INR		(1,528,59 (576,90 (421,12 (364,48 (170,87	16) <b>^</b> 18) 18) 16) 16) 16) 175)	Database Global focus World Trend Plus Aggregates ASEAN Economic Monitor Commodity Market Economic Monitor Forecast Industry Top Companies International Associations	Region-focused         China Premium Database         Brazil Premium Database         Russia Premium Database         India Premium Database         Indonesia Premium Database         Asia Forecasting Service         Markit Purchasing Managers' Index
Date Date Observations History First observation before Last observation after	Recently Updated 20 20	(156,53 Recently Add 19-11-25	ded	Global Database Asia Europe and Central Asia Middle East and Africa North and South America Global Key Series Database Daily Database	OECD OECD - Economic Outlook OECD - Main Economic Indicators OECD - National Accounts OECD - Productivity
Other Name only Subscribed series only New only Key only Forecast With release schedule S With suggestions for re	ebased/discontinue	ed series			
Search help Adva	anced search				Apply filter

**Advanced** allows users to include/exclude any keyword combination and series IDs. The search for series ID can filter out non-series ID inputs such as keywords / operators.

Help offers search tips.



The faceted search algorithm helps to refine and filter results by selecting one or more criteria in parent-child relationship. Within a rich database, this hierarchy structure enhances the flexibility to retrieve data in a systematic approach by excluding unmatched results.

For example, if you select 'active' under status, other filters will only include 'active' series with narrowed down results.

Under the series tab, the sort by field with dropdown options allows users to arrange the results in preferred order.

Popularity – by series with highest usage -

CENC

- Recently updated by latest series with modified time point/status \_
- New series by latest series added to the database -
- % change, last value, status, region, frequency, first date, last date, unit, source \_

All Regions ~ Q Search		6,1	09,248 series ~
ndicator v Frequency v Source v Status v More v 🕞 My searches v			
Data Analysis Comparables Releases 🌲 Watchlist 🚥			
Databases Series Datasets			Sort By 🔨
Saudi Ar Wholesale Price Index (WPI) K	<b>120</b> 2014=100	Monthl 01/201	Popularity Recently Updated
Belarus Average Monthly Income per Capita 📧	640.50 BYN	Annual 12/201	New Series
Cyprus Non Performing Loans K	10,279.29 EUR mn	Monthl 12/201	% Change
Sri Lanka Resident Departures K	1,439,429 Person	Annual 12/197	Last Value Status
Banglade Export Unit Value Index (EUVI) 📧	<b>1,198.36</b> 2002-2003=	Annual 06/200	Region
Banglade Import Unit Value Index (IUVI) 📧	1,282.85 2002-2003=	Annual 06/200	Frequency
Italy Employment Rate K	45.28 %	Quarter 01/197	Last Date
Libya • Visitor Arrivals 🕅	32,038 Person th	Annual	Unit
Likus • Number of Listele (v)	305	Annual	Source



As you start typing, CDMNext search provides keyword autocomplete in keyword predictions which is managed by stemming, search suggestion, acronyms/synonyms.

In the search drop down, **CEIC suggestion** is also made available with relevant series attributes to facilitate facet predictions to speed up the search processing and enriching results.

All Regions 🗸	QG	0 series $\sim$
Indicator ~ Freq Data Analysis Databases S	gdp gini government revenue government debt government expenditure gold GDP deflator	
Sorry, no rest Suggestions: Try more ger Try checking See our Sear	Indicator Gross Domestic Product Government Budget Gross National Income Gross Disposable Income Gold Gross Adjusted Disposable Income	Source  Garuda Indonesia General Department of Customs and Excise of C General Insurance Association of Korea Geological Survey of Norway Georgia Electricity System Commercial Operator Georgia ISET Policy Institute
Still can't find		र Hide CEIC suggestions

At the bottom of the search panel, you may select the number of results to display per page.

Showing 100 v results per page	1 2 3 4 5 6 7 8 9 10 Next>
--------------------------------	----------------------------

You may save up to 20 favorite searches with any keyword and filter combinations in 'my searches' folder for frequent use.

Once a keyword and/or search filter is entered/applied, a 'save' button will appear below the search bar. Once saved, you may retrieve / edit the searches under 'my searches' folder.

× United States of Amer × Q GDP		1,921 series → ★ 2 selected 🖍	< My insight
Indicator - X Yearly - Source - X Active - More - > My searches -		Reset Save	My Series S
Data Analysis Comparables Releases 🜲 Watchlist …		Name your search	re
Databases Series Datasets		123	
Hong Ko Manufacturing Producer Price Indices (PPI) 📧	110.5000 2015=100	sources	
China Producer Price Index: Industrial Products K	98.8000 Prev Year=1	1	
China PPI: Industrial Pdts: Waste Resource, Material Recovery & Process	102 Prev Year=1	Cancel Save	new search
	3.5417		



Besides search using the Data tab, you may search and browse with the Analysis, Comparable, Releases, and Watchlist tabs.

A single search screens out the results under all the 5 data tab.

× United States of Amer × Q GDP		3,634 seri	es ~ >
Indicator -> Frequency -> Source -> X Active -> More -> My searches ->		Reset	Save
Data Analysis Comparables Releases 🌲 Watchlist •••			
Databases Series Datasets		× Popular	rity ~
United St Foreign Exchange Reserves: % of Nominal GDP: Quarterly: Uni 📧	0.20 %	Quarterly, ending 03/1961 - 06/2019	+
United St US: SNA 1993: Ref. Year=2005: GDP: Final Consumption Expendi	723,100 USD mn	Annual 12/1970 - 12/2011	+
United st US: SNA 1993: Ref. Year=2005: GDP: FCEHT: Housing, Water, Ele	378,800 USD mn	Annual 12/1970 - 12/2011	+

To access the **series info**, you may click on the green information icon next to the series check box or click on the series name.

Releases       Region:       China Frequency:       ID:       5793201 SR Code:       SR 2793201 SR 2000       SR 2793201 SR 2000       SR 2010       SR 2010       SR 2000       SR 2010	
Active       Unit:       Prev Year=100       Ask question         ated       11/09/2019       Indicator:       Inflation and price > Producer Prices         Source:       National Bureau of Statistics       Look for methodological information in our Footnotes section. Read More       Image: Chart Data Statistics + Add Image: Chart Data Statistic + Add Image: Chart Data Statistics + Add Image: Chart Data Stati	
Indicator: initiation and proce > Produce Prices Source: National Bureau of Statistics Look for methodological information in our Footnotes section. Read More 0 %          0 %       Chart       Data       Statistics       + Add       W View as       Copy       Download       A: More         0 %       YTD       1y       3y       5y       All       From       2017-11       To       2019-10       A: More         09/2019       105.0000       105.0000       105.0000       105.0000       Expert insight available         07/2019       99.2000       102.5000       102.5000       102.5000       Expert insight available         07/2019       100.0000       100.0000       100.0000       Ion       Ion       Ion	
10/2019       98.4000       Look for methodological information in our Footnotes section. Read More	
99.4000       Chart       Data       Statistics       + Add       View as       Copy       Download       fx       More         0%       YTD       1y       3y       All       From       2017-11       To       2019-10       fx       More         09/2019       105.0000       105.0000       105.0000       Related datasets ~       Selected insight available         08/2019       102.5000       102.5000       102.5000       Expert insight available       Expert insight available         07/2019       99.7000       100.0000       100.0000       Ionu       Ionu       Ionu	
0 % YTD 1y 3y 5y All From 2017-11  To 2019-10	
09/2019 98.8000 105.0000 08/2019 99.2000 07/2019 99.7000 100.0000 06/2019 06/2019	
09/2019 98.8000 08/2019 99.2000 102.5000 102.5000 102.5000 100.00000 100.0000 100.0000 100.0000	
98.8000 105.0000 99.2000 102.5000 102.5000 100.0000	
08/2019       99.2000       -       07/2019       99.7000       100.0000	
08/2019 992000   07/2019 99.7000   06/2019	
07/2019 99,7000   100,0000   06/2019	
07/2019 99.7000 し 06/2019	
100.0000 06/2019	
06/2019	
00/2019	
100	
277 obs 11/2017 04/2018 10/2018 04/2019 <u>10/2019</u>	



A **series info** consists of an overview of series attributes, pre-built chart, data series, statistics, related series / insights, math function editor, and help.

You can access the series remarks, corresponding footnote article and knowledge base in self-support. If you need further assistance, please submit your question to us. Our helpdesk team will review your questions as early as possible.

Still cannot find an answer about `CN: Average Wage: Manufacturing`?	
Type your question here	
Cancel Submit	

Under **by series** tab, users can right click on the selected series to show where the series belong to in the database tree or table level.

i 🗹 China	CN: Export FOB ( >		1 3.59%
China	CN: Fixed Asset Investment: ytd 👻	C Show the table >	China Premium Database: Table CN.JA: Trade: Value
China	Consumer Price Index 🔕 🐱	i Series info	Global Database: Table CN.JA001: Trade Balance Asia Forecasting Service: Table OE.CN.D03: Exports
China	CN: Import CIF 🚷 🐱	View as Chart	World Trend Plus: Table: Total Exports: USD: Asia Global Key Series Database: Table CN.JA001: Trade Balance
China	CN: Fixed Asset Inv: YoY: ytd 🐱	Wiew as Map	† 0.1%
China	GDP Index: PY≃100 ♀	(x) Unselect all	0%
China	VAI: YoY Growth 😢 🖌		0%



#### 3.2 Data Selection

When you have identified the series to save in your insight, simply drag and drop the selected series from search to the series list or visual creation on the right panel. Alternatively, you may click on + to add series to the series list.

This action will be auto saved in your insight by default setting.



The arrows in between data discovery and selection allow you to adjust the space for each panel display. This allows you to collapse or expand for a shared / full screen display.

All Regions ~ Q china producer price index		1,921 serie	s ~ 🛛 >	Ky insights > Japan-EU Economic Partnership Agreement (JEEPA)_copy
Indicator × Frequency × Source × Status × More × ≽ My searches × Reset Save		Save	My Series VIEW 1 Sheet 2 +	
Data Analysis Comparables Releases 🜲 Watchlist ····				+ Related Series Rename 🐵 🛅 🗁 - 🗘 💲 🗶 📭 🖪
Databases Series Datasets		Sort By ~ List Table 🗘 266 series		List Table 🗱 266 series
Hong Ko Manufacturing Producer Price Indices (PPI)		Quarterly, ending 03/2005 - 06/2019	+	G Filter by name, region, unit, frequency
China Producer Price Index: Industrial Products K		Monthly 10/1996 - 09/2019	+	Exports by Country: Monthly
China PPI: Industrial Pdts: Waste Resource, Material Recovery & Process		Monthly 01/2003 - 09/2019	+	Exports by Country: Annual
China Producer Price Index: YoY: Annual: China K		Annual 12/1997 - 12/2018	+	Imports: Monthly



Within the data selection, you may view the data in a list or table format. Under the sort by options, you can arrange the series display order to your preference.

My Series VIEW 1 Sheet 2 +	
+ Related Series / Rename $\odot$ in $\Box$ $\sim$ $\stackrel{\circ}{\downarrow}$ $\stackrel{\circ}{\downarrow}$ $\stackrel{\circ}{\downarrow}$ $\stackrel{\circ}{\downarrow}$ in $\Box$	\$
List Table 🏟 266 series	Sort By 个
C Filter by name, region, unit, frequency	Checked
Exports by Country: Monthly	Recently Updated . % Change
Exports by Country: Annual	Last Value
H Imports: Monthly	Status Name
🗌 🛨 Imports: Annual	Region
Trade Balance: EU [AGGREGATE(Sum; Yearly; December) > CONVERTCUR(US Dollars; in Millions)]	Subnational
Trade Balance: ELL[CONVERTCHP(US Dellare: in Millione)]	Frequency
↑ 37.3 % -46.4610 Japan Monthly Updated: 11/19/2019 USD mn	Unit
📄 🛨 Japan: Exports EU: Monthly	Source
In the Japan's Exports Ell' Appual	Mnemonic
	Function Description
📄 🕂 Japan: Imports EU: Monthly	Obs. Number
📄 🛨 Japan: Imports EU: Annual	First Date Last Date

For better organization of the selected data, users may separate / group the data in the preferred sequence and category.





#### 3.3 Data Transformation

To apply math functions to the selected series, you may type a function on the function bar or access function editor to see all available formulas.

My Series VIEW 1	Sheet 2	+				
+ Related Series	Rename 💿	i □~ (	)	<b>₿</b> ×	Σ ~ Υτο ~	$\checkmark fx \checkmark$
<i>fx</i> Type a function						
List Table 🌣 2	266 series ( ×	2 selected )				
C Filter by na	me, region, uni	it, frequency				
✓ Trade Balance: E ↑ 37.3 % -4	EU [AGGREGATE( 16.4610 Ja	Sum; Yearly; Decem pan	nber) > CONVERTCU Annual	R(US Dollars; in M Updated: 11/19/	<b>illions)]</b> '2019 USD mn	
Trade Balance: E ↑ 37.3 % -4	EU [CONVERTCUP 16.4610 Ja	R(US Dollars; in Milli pan	ions)] Monthly	Updated: 11/19/	2019 USD mn	

In the formula bar, you can type in a single function or a combination of functions.

Function suggestion is also available while searching.

Apply functions			×
Select series to apply function(s) to:			
Real GDP: YoY: Annual: China			٣
<b>fx</b> Type a function			
< HIDE FUNCTIONS			
Search	%CHANGE		
All categories <del>-</del>	Gets the percentage change calculation (t=1,2,3)	over time. The parameter 'period' refers to the time lag of the	
	Syntax		
SACCUMULATE	%CHANGE (period, obs. num	annualized)	
CAGGREGATE (method, frequency, en	Arguments		
ANTILOG ()     ANTILOG ()	Period	⊙ Over Year O Over Period	
Image: State of the state	Help on this function $\sim$		
IVIDE (type, value)         Image: State of the stat	Replace selected series	Insert function Apply C	ancel

To access the full view of function editor, simply click on f all functions.'

The same formula bar is presented to allow searching and browsing.

Alternatively, you can insert a function from the list of categories on the left.

To see the respective function description and illustrated example, click on 'help on this function.'



#### 3.4 Visualization

Next to the Data tab, the **Sheet** tab is presented for visual creation. The available visual tools include chart (line, area, column, bar, pie), table, map, heat map, histogram, commentary, attachment insert and image upload.

You may create up to 10 views (tabs) within an individual insight.

To insert a visual with the selected series, you can simply drag and drop the selected series from search on the left panel to the right panel in the content area.

All Regions ~ Q china producer price index		1,921 series ∽ × 1 selected 🖌	> < My insights > Japan-EU Economic Partnership Ag	reement (JEEPA)_copy 🖌 🌣 👘 🔿
Indicator v Frequency v Source v Status v More v More v My searches v		Reset Save	My Series Sheet 1 Sheet 2 Sheet 3 +	
Data Analysis Comparables Releases 🜲 Watchlist …		Unsele	ct 🗠 Line 🗸 🖄 Area 🗸 📊 Column 🗸 🏪 Bar 🗸 🔮 Pie 🧮	Table 🌐 Map 🗸 🏢 Heat map 🏨 🕇 🖉 🔽 🏹
Databases Series Datasets		Sort By ~		
Hong Ko Manufacturing Producer Price Indices (PPI)	110.5000 2015=100	Quarterly, ending 03/2005 - 06/2019		
China Producer Price Index: Industrial Products 🕅	98.8000 Prev Year=1	Monthly 10/1996 - 09/2019	Line	Column
China PPI: Industrial Pdts: Waste Resource, Material Recovery & Proce	SS K 102 Prev Year=1	Monthly 01/2003-09/2019 +	Drag series here	Drag series here
China Producer Price Index: YoY: Annual: China K	3.5417 %	Annual 12/1997 - 12/2018		
China PPI: Industrial Pdts: Coal Mining & Dressing K	100.2000 Prev Year=1	Monthly 01/2001 - 09/2019		
China PPI: Industrial Pdts: Petroleum & Natural Gas Extraction K	86.6000 Prev Year=1	Monthly 01/2001 - 09/2019	:	<b>——</b>
China PPI: Industrial Pdts: Smelting & Pressing of Ferrous Metals K	94.2000 Prev Year=1	Monthly 01/2001 - 09/2019		
China PPI: Industrial Pdts: Coking & Nuclear Fuel & Petroleum Process	ing K 90.4000 Prev Year=1	Monthly 01/2001 - 09/2019 +		Heat map
China Producer Price Index: YoY: Quarterly: China K	-0.7667 %	Quarterly, ending 12/1996 - 09/2019	Diag series nere	Diag series riere
China Producer Price Index: YoY: Monthly: China K	-1.2000 %	Monthly 10/1996 - 09/2019		
Hong Ko Producer Price Index: YoY: Annual: Hong Kong SAR 📧	1.9971 %	Annual 12/1991 - 12/2018		
Hong Ko Producer Price Index: YoY: Quarterly: Hong Kong SAR K	0.8212	Quarterly, ending 03/1991 - 06/2019		
Hong Ko PPI: Food, Beverages & Tobacco 📧	106.2000 2015=100	Quarterly, ending 03/2005 - 06/2019 +	Die	Map
Ko PPI: Paper Products, Printing, & Reproduction of Recorded Medi	a K 2015=100	Quarterly, ending 03/2005 - 06/2019	Drag series here	Drag series here
Ko PPI: Textiles and Wearing Apparel K	102.3000 2015=100	Quarterly, ending 03/2005 - 06/2019 +		

With more than one visual presented in the Sheet tab, you can drag and position each visual presented in the content area.

To modify the series settings of your selected visual, click on the **edit series** to open up the series settings on the left hand panel.

You can select the series to directly reflect in your visuals.

CDMNext offers an in-built auto axis detection to properly place series with 2 different units onto the left and right axis.



⊵ Cha	t + Add from My Series						×	C My Scrites View 1 View 2 View 3 View 4 View 5 View 6 View 7 View 8 View 9 +	
Ix Type	a function	∑ Aggregate ♥	The ACCU	mulate 0 J// More 0			2 X	Concernence of the second	送音
×	Name	Type ~	Azis ~	Frequency ~	Currency ~	Functions	Region	Chart	
×	External Debt	🖂 Line 🛩	<>	Quarterly, ending 'Mar, June, Sep, Dec' ~	USD mn 🛩	Type a function	Russian Federa	Zoom 1y 5y 10y All From 12/01/2012 @ To 06/01/2018 @	
× 🔳	imports cif	[⊬′ Line ∽	<>	Monthly ~	USD mn ~	Type a function	China		
×	Exports fob	[⊬ Line •	$\sim$	Monthly ~	USD mn 🛩	Type a function	China		
×	Consumer Price Index	🗠 Line 🗸	< >	Monthly ~		Type a function	China	1,280,000	,4
<				+ Add more from My Series				1,120,000	8.8
								960,000	5.2
									Prev
									Year-
									100
									~
								320,000	0.0
								16000	12
								0 	5
								14/4/15 01/2017 00/2018	
								1990 2000 2010 1 1	
								External Debt C > Exports foli C > Consumer Price Index C >	

Besides **edit series**, you may also access **edit chart** to open a module to modify your visuals more precisely.



The visual configurations such as date range, attributes, values, legend, colors, tooltips, and data labels are available on the toolbar. The left panel offers a gallery of recommended visuals for your selected series.



#### 3.5 Series Suggestion Manager

Under both the MY SERIES and VIEW tabs, CDMNext offers a related series module for suggested indicators (available for all series), forecast data with linkage to actual series, suggested replacements for inactive series, breakdowns, and dependencies with linkage of base data and in-house calculated series.

The **indicators** are suggested based on the country currently displayed/selected in your data/visual. To select a country to see related indicator, click on the country dropdown.

By default, when no series is selected, related indicators suggest the following countries – China, United States, Japan, India, and United Kingdom.

The suggested indicators include the macro indicators from Global Economic Monitor, financial indicators from Daily Database, and global indicators from a mix of databases

- **Macro indicators** (mostly from GEM, or GLODB with series in similar frequencies, units, \_ meanings) – country specific
- Financial indicators (Daily DB, GEM) country specific
- Global financial indicators (Daily DB, GEM) common for all countries

Series Suggestion Mana	ger 🕦		- 2	×
Indicators	Forecast	Replacements	Breakdowns Dependencies	
1 China	Indonesia	United States India	Hong Kong SAR Select a Region	Ŧ
GDP Business Confidence CPI Consumer Confidence Current Account Balance Domestic Credit Electricity Generation Exports External Debt		FDI FX Reserves GDP Deflator GDP Per Capita House Prices YoY Household Debt IPI Imports Labour Productivity YoY	Money Supply YoY NPL Ratio PPI Population RRR Real GDP YoY Retail Sales YoY Unemployment Wages	
Equity Market Index FX Rate		Interbank Rate Market Cap	Policy Rate REER	
Brent Oil Price Dow Jones Index		Gold Price LIBOR	S&P 500 World GDP	_



The **forecast** tab presents the series relationship between actual vs. forecast series, a manual mapping defined by CEIC database team.

This manager provides the guided calculations to facilitate series jointing upon user's choice, in case the base and forecast series have different unit and/or frequency.

To manage your series, you may keep the individual series as they are, or replace them with a new one.

The forecast data is subject to suitability for Global Database & World Trend Plus Database.





The **Replacements** tab presents the suggestion of new series to replace the inactive series.

To manage your series, you may keep the individual series as they are, or replace them with a new one.

The replacements are subject to availability for inactive series presented in all CEIC databases.





The **Breakdowns** tab present series relationship by quickly locating the related breakdown series under the assigned header in a more structured series naming.

The exposed series can be added and/or group to your existing / new insight.

The header and breakdown relationships are subject to availability for series presented in Singapore and South Africa under Global Database.

Series Suggestion Mana	ger 🌘				_	2* ×		
Indicators	Forecast	Replacements	Breakdowns	Dependen	cies			Update
						^	n: G	eneral Update
Singapore Assets								Update
— ✓ Singapore As	ssets 🗸					+~		
- Singapor	re Financial & Insurance				+	Add		(A)
Sin	gapore Banks				$(\pm)$	Add and repla	ice	
Sin	gapore Investment Holding	15				Add and grou	р	(G)
	5 in interationality	,-			Add	to new insigh	t	
Sin	gapore Other Financial Ser	vices			Add	to existing ins	sight	i
Sin	gapore Insurance Services					+		
Singapor	re Manufacturing					+		Updated
Sin	gapore Food, Beverages &	Tobacco				+		Updated
Sin	Manure Dapar & Dapar Proc	lucto Printing & Publishing				-		Update
<u>√</u> 3⊪	gapore Paper & Paper Proc	aucts, Printing & Publishing				Τ.		Update
Sin	gapore Refined Petroleum	Products				+		
Sin	gapore Chemicals & Chem	ical Products				+		Updated
				_		~	9	Update
				Cancel	Appl	y Ok	n	Updated



The **Dependencies** tab exposes the reference of base series and CEIC in-house calculated series.

The base and calculated series are presented on a pre-built chart for easy comparison..

The scope of base vs. derived series is focused in specific source from CEIC Generate, available in GEM and AEM dataset.

Series Suggestion Mana	ger 🌘					_ & ×
Indicators	Forecast	Replacements	Breakd	owns	Dependenci	es
🗌 🛛 Manage All 🔻						
- China No	minal GDP: USD mn: Annua	al: China 📧 🔟	<b>†</b> 9.35%	12,242,077 USD mn	Annual, ending "D 12/1957 - 12/2017	
[2126801] Gross	s Domestic Product 🕅		<b>†</b> 11.23%	82,712.170 RMB bn	Annual, ending "D 12/1952 - 12/2017	🔗 ADDED
16,000,000.000						100,000.000
12,000,000.000						75,000.000
8 000 000 000				_		RME
8,000,000			1			50,000.000 G
4,000,000.000						-25,000.000
			-			
0.000	2000	2005	2010		2015	0.000
	Nominal	GDP: USD mn: Annual: China	Gross Dor	nestic Product		
					Cancel A	pply Ok



#### 3.6 Download

The download options include series only and all views tabs of an insight.



The selection of download formats, timeframe, data placement and output series details are available in the download options.

Download: Selected	Series (6 series)	×
Series	Views	
Format		
Timeframe	All Range Sample	
Hide advanced sett	tings ^	
Data placement		Output series details
Orientation	Columns     Columns	Filter out dates with no observations
Adjust columns	No     Wrap text	Create a chart with series
Date order	Ascending     Descending	Show series details in Bold
Date format	Automatic v 12/2017	✓ Show date column fx Add function ∨
Decimal places	3 🔻 1234.568	Series Name × Country × Frequency ×
		Function Information × First Obs. Date ×
		Last Obs. Date × Last Update Time ×
<ul> <li>Always ask me a</li> </ul>	bout the export settings Reset	Cancel Copy to Clipboard Download

- 'Copy to Clipboard' allows the copy of data/visuals to your existing Excel file.
   API and CEIC R Package subscribers can also use this functionality to generate a code or http request to export the selected series in those applications.
- 'Download' allows the download of your selection to a new file.



To download only your selected visual, you may right click on download or click on the icon presented for download and copy to clipboard.





To refresh data in Microsoft Excel, please download our **CDMNext Excel Add-in** available under the upper right option in the drop down menu.

Alternatively, you can download the CDMNext Excel Add-in under the HELP tab.



CDMNext Add-in is avaiable to download for CDMNext registered users.

Select your Microsoft Windows Version and Office Version to download our latest CDMNext Add-in version.

Applications Help				[] Open	×
Excel Add-in	API	R	EViews		
CDMNext users ca CDMNext Add-in i be either 2007 or l	an download and refr s supported on opera higher.	esh CEIC data directly ating systems Window	y in Excel files using vs 7 SP1 and higher.	our CDMNext Add-in. The office version needs to	
Select Microsoft	Windows Version	Windows 7 SP1	ion 3.0.0.24		
Select Microsoft	Office Version	Office 2016			
Download CD	MNext Add-in 🕟	File name: SetupCDN Download size: 24.13	//Next_x86(3.0.0.24). 3 MB	.exe	
Documentation					
🛃 Workstation Re	equirements (188.19	KB)			
🕂 Installation Gu	ide (1.33 MB)				
👤 Quick Start Gu	ide (732.70 KB)				

The workstation requirements, installation guide and quick start guide are available.



#### 3.7 Alerts

The Watchlist allows you to add up to 1000 series for data update alerts.

You may select the series and right click to add to watchlist, or click on the bell icon.

Data Anal	ysis Comparables	Releases	🌲 Watchlist				Uns	select
Databases	Series Datasets					S	Sort By	~
Hong Ko	Manufacturing Produc	cer Price Indice	es (PPI) 📧		<b>110.5000</b> 2015=100	Quarterly, ending 03/2005 - 06/2019		+
China	Producer Price Index:	Industrial Prod	ucts K		98.8000 Prev Year=1	Monthly 10/1996 - 09/2019		+
i 🗹 China	PPI: Industrial Pdts: W	/aste Resource	, Material Reco	very & Processing $\begin{tabular}{c} \end{tabular} $		🔺 L 🗠 🕫		+~



The alerts can be delivered on CDMNext as pop up notifications and/or email notifications.

The email notifications can be delivered with a defined period as a summary.

To view or edit your Watchlist, you may visit the Watchlist tab on the landing page.

Data Analysis Comparables Releases 🜲 Watchlist	• • •			Unselect
		Disable	all OFF	Sort By ∽
Malaysia Loans: Banking System (BS): Purpose (PP): Total	Notifications Popup, daily email	Updated 30/09/2019	Next update Not available	+
Malaysia Loans: BS: PP: Purchase of Residential Property	Notifications Popup, daily email	Updated 30/09/2019	Next update Not available	+
Malaysia Loans: BS: PP: Working Capital	Notifications Popup, daily email	Updated 30/09/2019	Next update Not available	+
Malaysia Loans: BS: PP: Construction	Notifications Popup, daily email	Updated 30/09/2019	Next update Not available	+
Russia Gross Domestic Product (GDP) 🕅	Notifications Popup	Updated 09/09/2019	Next update Not available	+
Slovakia Gross Domestic Product (GDP) K	Notifications Popup	Updated 06/09/2019	Next update Not available	+
United st GDPS: 2012p: WY: Pvt: Agriculture, Forestry, Fishin	Notifications Popup, daily email	Updated 01/05/2019	Next update Not available	+
United st GDPS: 2012p: DE: Pvt: Mining	Notifications Popup, daily email	Updated 19/11/2018	Next update Not available	+
United st GDPS: 2012p: saar: RI: Pvt: Agriculture, Forestry, Fis	Notifications Popup, daily email	Updated 15/11/2018	Next update Not available	+



#### 3.8 Share

After you have saved your insight, you may share it with other users within the same organization. Click on the cogwheel to share the insight with other colleagues within the same organization.



Share insight		
The following people can acc	ess the insight:	
Virginia Chan	vchan@ceicdata.com	owner
Any user of CDMNext		none ~
Any user within Internal Acco	unts company	none ~
Invite specific: 💿 Users 🔘 /	Accounts © Companies	
nvite specific:	Accounts <sup>©</sup> Companies wite	can view ~
Invite specific:	Accounts © Companies	can view ~

You may invite specific users to access your insight with option to view, edit or manage.

**Can view** – shared user(s) will be granted with permission to view the insight only

Can edit – shared user(s) will be granted with permission to modify the insight (such as adding series, creating a visual, uploading an attachment)

**Can manage** – shared user(s) will be granted with the same permission as the creator (such as sharing with others, deleting an insight)



#### 4. USER SETTING

#### 4.1 General Setting

On the upper right hand corner, users can click on the avatar to modify personal information, interface language (available in English, Simplified Chinese, Japanese, Korean, Russian, and Indonesian Bahasa), date / number format and other default settings.

The keyboard shortcuts and notifications are enabled by default.





#### 5. NOTIFICATIONS

For keep abreast on CEIC announcements, users can explore the notification slider – located on the upper right corner of the landing page.

The first tab with 'what's new' features the latest insights from our in-house experts, and our monthly insider with highlights.

The second tab with 'recommendations' promotes the recent insights that you have opened, and other latest insights from our team.

The third tab with 'notifications' summarizes the latest series updates / activities from your Watchlist.





## 6. ABOUT CEIC AND OUR DATABASES

For more information about CEIC, visit our website:

http://www.ceicdata.com

For more information about our databases, visit our website:

http://www.ceicdata.com/en/products