

WSS Online Plus in a nutshell

April 2022



DEUTSCHE BÖRSE
GROUP

WSS Online Plus

Introduction

Deutsche Börse AG's WSS Online Plus provides reference data on financial instruments, institutions and stock exchanges.

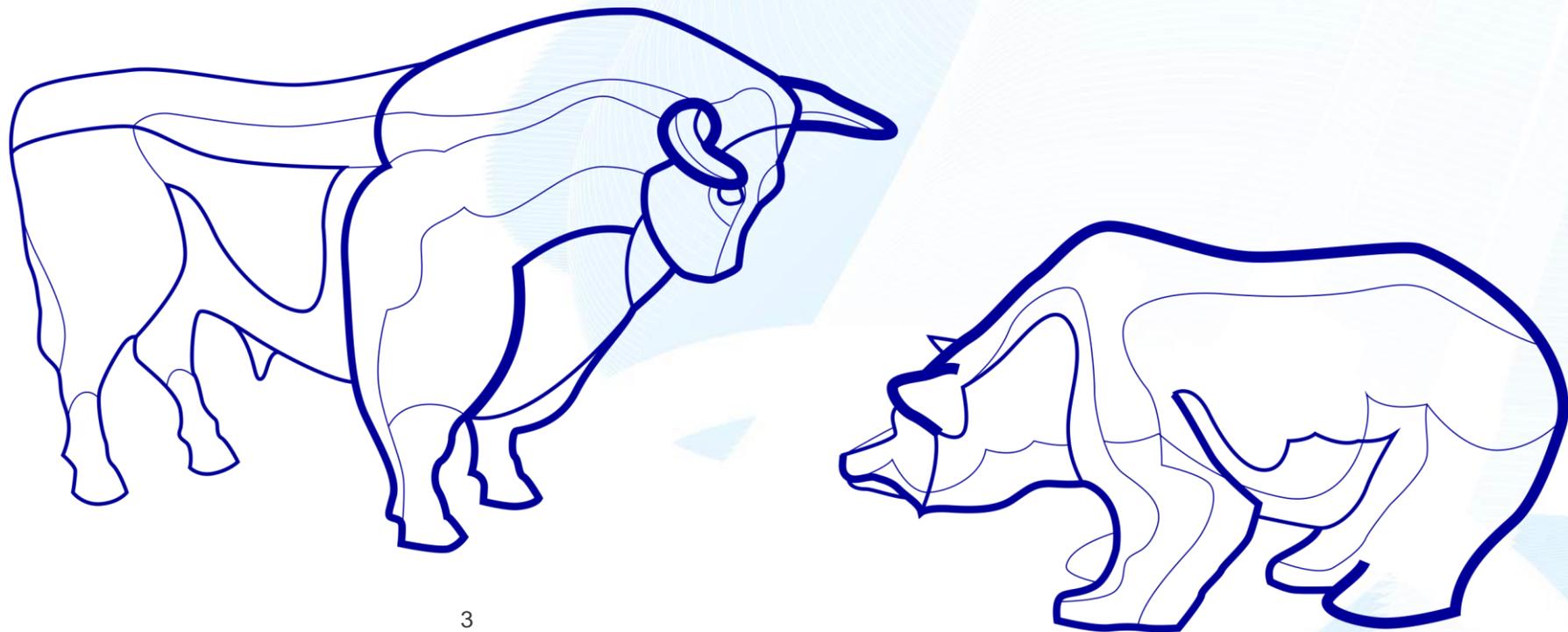
- Up-to-date information - data from stock exchanges in Germany, Clearstream Banking Frankfurt, WM Datenservice, ESMA, Refinitiv on appr. 4 mio. instruments 24 hours a day
- extensive search options for instrument, income and corporate action data
- real-time and historical prices
- configuration of individual result tables and detail screens
- data export

The information available in WSS Online Plus is divided into the following areas:

- master data on financial instruments, event data
- institutions
- investment funds income
- stock exchange data, settlement calendar, price data, forex



1 Standard features



WSS Online Plus

Login

- Login via production URL
- Enter password

← → ↻ 🏠 wssonline.deutsche-boerse.com

Neuer Tab Microsoft Azure Microsoft Azure Steerco_RDH.pptx MiFIR reporting inst... WSS Online Plus, D...

Bitte melden Sie sich an

Benutzername

Passwort

Für Hilfe zu WSS Online Plus-Funktionen, wenden Sie sich bitte an:

Customer Service
Tel.: +49-(0)69-211-1 1800
wss-online-plus@deutsche-boerse.com
08:00 - 18:00 Uhr

Für Hilfe bezüglich Login oder Passwort, wenden Sie sich bitte an:

Member Section Team
Tel.: +49-(0)69-211-1 78 88
member.section@deutsche-boerse.com
09:00 - 18:00 Uhr

WSS Online Plus

Search functionality – Instrument search

The pivotal function within WSS Online Plus is the „search“ for content. Below the searches for the different business areas are indicated, clicking on an entry opens a separate search screen:

The screenshot displays the WSS Online Plus interface. The top menu bar includes: Search, Expert Search, Configuration, Window, Criteria Lists, DESC->Top, Metamodel Maintenance, Help, Functional Administration, and Logout. The left sidebar lists search categories: Instrument Search (highlighted), Listing Search, Payment Agency Search, Event Search, Index Component Search, Institution Search, Investment Funds / Acc. Earnings, Investment Funds / Interim Profits, Admission To Listing Search, Place of Listing Search, Settlement Calendar, Price Search, and Exchange Rates. A large blue arrow points from the 'Instrument Search' entry in the sidebar to the main search window. The main window is titled 'Instrument Search' and contains a 'Sources' section with 'GDB (PROPRIS), WM' and a 'Search Criteria' section with various input fields for ISIN / WKN / CC / Short Code, Instrument Name, FISN, CFI-Code, Custody/Settlement Currency, Quotation Unit, Custody Currency ISO, Deposit country / Depository, Depository Type, Status, Country of Origin, Issuer Short code WM/CBF, Institution Short Code CBL, Product Group, Instrument Type, Publication Status, and Publication Date. At the bottom, there are buttons for Search, Close, Reset, Expand All, Collapse All, Load Search, Save New Search, and Help.

WSS Online Plus

Search functionality – Instrument search criteria

The application offers numerous search criteria at a glance, the most important ones are:

Instrument Search

Sources

GDB (PROPRIS), WM

Search Criteria

ISIN / WKN / CC / Short Code

Instrument Name

FISN

Custody/Settlement Currency

Custody Currency ISO

Depository Type

Providers

Filter:

Name

Clearstream - Basic Info

GDB (PROPRIS)

RRDH

ESMA

WM

WM (uGat)

Malta

ISIN / WKN / CC / Short Code: <and/or Select watch list>

Instrument Name: **

FISN: ** CFI-Code: **

Depository Type: 0 <empty> 4 CBL 1 Collective Safe Custody 2 Jacket custody 3 Trust custody

Status: Active Inactive Not yet active

Inactive Date (from / to):

Country of Origin:

Issuer Short code WM/CBF: **

Product Group:

Safe Custody:

Issuer Number:

Institution Short Code CBL: **

Instrument Type:

Issue Date valid from / to:

Exchange:

Market Segment:

WSS Online Plus

Search functionality – Instrument detail screen

A request for a single instrument results in a detail screen to be indicated, the information is divided into different folders based on business criteria:

Instruments - Detail Screen (ISIN: DE0007236101)

View Mode Mixed View

Sources GDB (PROPRIS), WM

Screen System - Standard Instrument

DE0007236101 723610 SIE GDB Siemens AG Namensaktien GDB GS GDB Active GDB
DE0007236101 723610 SIE WM SIEMENS AG NA O.N. WM WM GS WM Active WM

CBF publication status: published GDB CBF Date inactive: GDB t2s Business-Day: Mar 22, 2022 GDB

Instrument Data Prices Income Capital Increase Redemption Conversion Sheet Renewal General Meeting Intermed. earnings tab. Accum. earnings tab.

Basic Information Issue Trading Data Distribution Redemption **Classification** Collateral Regulatory Requ. Relations Reference Data Texts Admission Fund Key Data Lost Securities t2s ECAG

Objective Classification of Financial Instruments

Product Type Segmentation:	Securities	WM	Flag-Secur. Classification:	A	WM
Security Group Segmentation:	Equities	GDB	Security Type (frozen):	Ordinary shares	WM
	Equities	WM			
Instrument Type:	Shares	GDB	Security Character:		WM
	Ordinary shares	WM			
					GDB
					WM
Instrument Type Addition 3:	No spec.alloc.	GDB	Security Type:	Aktien	WM
		WM			
Instrument Type Addition 4:	No specific allocation	WM	Floater Classification:		WM

By deactivating the mixed view differences between sources are indicated in red

WSS Online Plus

Search functionality – Detail screen features

By clicking on a dedicated field another screen with field meta data is opened:

Objective Classification of Financial Instruments

Product Type Segmentation:	Securities
Security Group Segmentation:	Equities Equities
Instrument Type:	Shares Ordinary shares



Field Properties	Used Lookup Tables	Usage by Resulttable/Detailscreen	
Entity Type:	Instrument	Category:	Classification
Info Element Field ID:	WM-GD198C	Info Element Type:	SingleWSSAttribute
Infoelement name DE:	Instrumentenart	Infoelement name EN:	Instrument Type
Short Name DE:	Instrumentenart	Short Name EN:	Instrument Type
Field Description DE:	INSTRUMENTENART: Dieses Feld enthält die Instrumentenart zur Produkt und Instrumenten Segmentierung.	Field Description EN:	INSTRUMENT TYPE: This field contains the instrument type for product and instrument segmentation.

Guide the mouse over the domain value text to have the original numerical value added



Settlement Agents			
Deposit Country CBF-International:	CBF-Germany CBF-Germany	00000099	GDB WM
Deposit Country Euroclear (frozen):	Germany		WM
Deposit country/ Depository:			GDB WM
BIC deposit country CBL:	DAKVDEFF		WM

WSS Online Plus

Search functionality – Result list

In case a request generates more than one hit the application indicates a result list (as a default the standard instrument list). The original request parameters are displayed on top of the list. By clicking on a dedicated row the detail screen may be opened.

Instrument Search

Search Criteria Providers:GDB (PROPRIS); Depository Type:1 - Collective Safe Custody; Status:1 - Active; Product Group:1000 - Equities View: Standard Instrument

Source	ISIN	WKN	Exchange Code	Instrument Short Name	Security Group S	Security Group S	Instrument Type	Instrument Type	Safe Cust.	CBF Cle
GDB	ANN4327C1220		HUD	HUNTER DOUGLAS (NOM. NLG	1000	Equities	1001	Shares	Coll.cust./centr.custoc	n/a
GDB	ANN4327C1303			HUNTER DOUGLAS (PREF.)	1000	Equities	1001	Shares	Coll.cust./centr.custoc	n/a
GDB	AN8068571086	853390	SCL	SCHLUMBERGER LTD	1000	Equities	1001	Shares	Coll.cust./centr.custoc	n/a
GDB	ATBIOGENA005			SHS BIOGENA GROUP ORD BR	1000	Equities	1001	Shares	Coll.cust./centr.custoc	n/a
GDB	ATFREQUENT09		FQT	SHS FREQUENTIS AG ORD BR	1000	Equities	1001	Shares	Coll.cust./centr.custoc	n/a
GDB	ATKOSTADAG01			SHS KOSTAD AG ORD BR	1000					
GDB	ATMARINOMED6		93Z	SHS MARINOMED BIOTE ORD B	1000					

Export

Maximum number of rows to be exported: 200000

View: Standard Instrument

Export Language: German English

Export Format: *.CSV comma separated *.XLSX Excel Sheet

Email Address: [redacted]@deutsche-boerse.com

Among other interactions, the user is in the position to export this list to a personal email account.

WSS Online Plus

Search functionality – Trading data.

Listing information is available via the instrument detail screen, please select the folder „Trading“

DE0007236101 723610 SIE WM SIEMENSAG NA.O.N.

CBF publication status: CBF Date inactive:

Instrument Data Prices Income Capital Increase Redemption Conversion Sheet Renewal General Meeting Interme

Basic Information Issue **Trading Data** Distribution Redemption Classification Collateral Regulatory Requ. Relation

General **Trading Model** Listing T7 / Xetra Funds Eurex Clearing

Market Place Key	Market Place	Operating MIC	Segment MIC	Exchange and Market Segment	Market Segment	Exchange Admission Status	Admission Date	Original First Trading Date	Last Trading Day
AV5	Ddf - Lang & Schwarz	LSSI							
AW5	Unterschleißheim -Baader	BAAD							
BL1	deactivated 22.11.2021	XLDN							

Search Expert Search Configuration Window Criteria Lists DESC->Top Metamodel Maintenance Help Functional Administration Logout

- Instrument Search
- Listing Search
- Payment Agency Search
- Event Search
- Index Component Search
- Institution Search
- Investment Funds / Acc. Earnings
- Investment Funds / Interim Profits
- Admission To Listing Search**
- Place of Listing Search
- Settlement Calendar
- Price Search
- Exchange Rates

Listing Search

Events from / to: 02/24/2022 03/23/2022 Event Type: Listing Admission Delisting

Currency ISO: Exchange: EDE Frankfurt - Xetra Watchlist: <and/or Select watch list>

Market Segment: 3 Freiverkehr 45 RM Prime Standard 46 RM General Standard 54 Xetra-FV/Basic Board 55 Xetra-FV/Scale

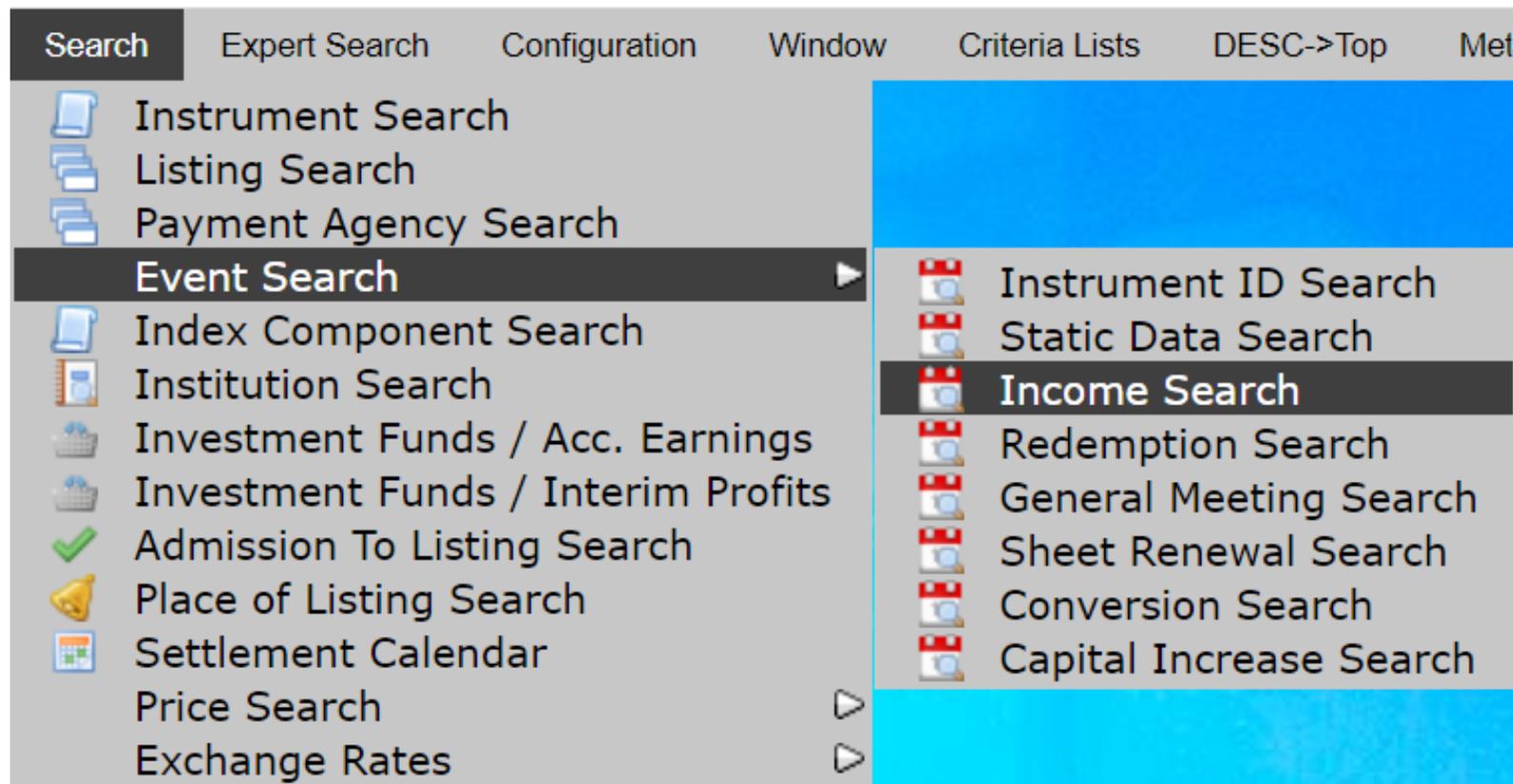
10

Via the „Listing Search“ the user finds all admissions and delistings covered by WM per exchange and market segment

WSS Online Plus

Search functionality – Event data

WSS Online Plus provides comprehensive event data supported by state of the art search functionality and a so-called event radar facility. The event search is divided into event types:



WSS Online Plus

Search functionality – Event data 2

The “radar” functionality allows the entry of relative dates, e.g. provide all income events for the period of the next ten days. Data for the providers CBF and WM is available.

Income Search

Sources

WM

Search Criteria

ISIN / WKN / CC / Short Code: <and/or Select watch list>

Data Entry from / to: Events from / to: WM-ED007 Ex-Date
 +0 +10

Publication Status: CSC intended in work published

Cancellation Flag CBF:
0 <empty>
3 Cancellation
1 Correction
2 Withdrawal

Cancellation Flag WM:
1 Cancel
0 New/Change

Product Group:

Instrument Type:

Depository Type:
0 <empty>
4 CBL
1 Collective Safe Custody

Depository Country CBF-Intern.:

WSS Online Plus

Search functionality – Store and manage event searches

Furthermore, recurring searches can be stored and managed via “Configuration/Stored Searches”. The user is in the position to configure an email to be sent automatically at predefined times.

The screenshot displays the WSS Online Plus interface. On the left, a search configuration panel includes a dropdown menu with options: "1 Collective Safe Custody", "2 Jacket custody", and "3 Trust custody". Below this are fields for "Issuer Number:", "Notification text change from/to:" (with two rows of input fields and clock icons), and "Related Fields/Tables:". A toolbar at the bottom of this panel contains buttons for "Search", "Close", "Reset", "Load Search", and "Save New Search".

A "Create new stored search" dialog box is open, showing the "Name of the new stored search:" field with the text "WM income events". It has "OK" and "Cancel" buttons.

The main interface shows a "Manage Stored Searches" window with a table of stored searches. The table has columns for "Instruments", "Index Components", "Listing", "Payment Agencies", "Events", "Institutions", "Interim Profits", "Accumulated Earnings", "Prices", and "FX Rates". The "Events" column is highlighted. The table contains two rows: "Ex Tag GS relativ" and "WM income events". The "WM income events" row has buttons for "Duplicate", "Rename", "Open", "Remove", and "Aut. Export".

A "Configuration automatic export of a stored search" dialog box is open, showing settings for "Maximum number of rows to be exported:" (200000), "View:" (System - Standard Income), "Export Format:" (radio buttons for *.CSV comma separated and *.XLSX Excel Sheet), "Email Address:" (redacted @deutsche-boerse.com), "Execution Time:" (07:30), and "Execution Date:" (radio buttons for Weekly and Monthly, with checkboxes for days of the week: Monday, Tuesday, Wednesday, Thursday, Friday).

A blue curved arrow points from the "Configuration" menu item in the top-left panel to the "Configuration automatic export of a stored search" dialog box.

WSS Online Plus

Search functionality – Comparison of event data from different providers

Moreover, WSS enables a user to compare data of different providers, please see below the example for income events. After the selection of the sources “GDB” (=CBF) and “WM” further parameters must be entered, the resulting list can be exported via email. Don’t forget to tick the box “Compare Sources”.

The screenshot displays the 'Income Search' interface. On the left, the 'Sources' section shows 'GDB (PROPRIS), WM' selected. Below it, the 'Search Criteria' section includes fields for 'ISIN / WKN / CC / Short Code' and 'Data Entry from / to'. The 'Events from / to' section is set to 'WM-ED007 Ex-Date' with a range from '+0' to '+3'. On the right, a table shows search results with columns for Source, Entry Time, ISIN, WKN, BID Income, and Instrument Short Name. Below the table, an 'Export' dialog box is open, showing options for 'Maximum number of rows to be exported' (200000), 'Compare Sources' (checked), 'View' (System - Standard Income), 'Export Language' (English), and 'Export Format' (*.XLSX Excel Sheet).

Data export comparison view, differences are highlighted:

WM	21.03.2022 19:42:59	DE000A1JF9N2	A1JF9N	2023036726500	RAGS-IMMO IVG	Investment funds	Real property funds	24.03.2022	24.03.2022
GDB	27.09.2021 09:09:46	DE000A12UJC5	A12UJC	2023017438300	VR-Bank Asperg-Markgröning	Bonds	Bonds	24.03.2022	24.03.2022
WM	04.02.2022 20:37:20	DE000A12UJC5	A12UJC	2023017438300	VRB LUDWIGSB IS.G297	Bonds	Bonds	24.03.2022	24.03.2022
GDB	27.12.2021 13:19:24	DE000A13SV73	A13SV7	2023017438500	Deutsche Pfandbriefbank A	Bonds	Bonds	24.03.2022	24.03.2022
WM	04.02.2022 20:37:20	DE000A13SV73	A13SV7	2023017438500	DT.PFBR.BANK IS.35249	Bonds	Bonds	24.03.2022	24.03.2022
WM	17.02.2022 20:40:30	DE000A161ZU5	A161ZU	2023017059300	DZ HYP PF.R.374	Bonds	Mortgage bonds	24.03.2022	24.03.2022

WSS Online Plus

Search functionality – Institution search

Via the „Institution search“ a user can retrieve reference data stored for issuers, at first a source must be selected. Based on the provider, different search parameters are made available. As a result, either a detail screen or a list of issuers is indicated.

Search Expert Search Edit Configuration

- Instrument Search
- Listing Search
- Payment Agency Search
- Event Search
- Index Component Search
- Institution Search
- Investment Funds / Acc. Earnings

Institution Search

Sources

GDB (PROPRIS)

Search Criteria

Issuer Number WM: <and/or Select wat >

Issuer Short code WM/CBF:

CBF Umbrella Issuer-Nr.: <and/or Select wat >

Additional Search Criteria

Legal Entity Identifier (LEI):

Reference Data **Issued Instruments**

Historical versions

Issuer-ID: 766400 WM Issuer Name WM: Volkswagen AG WM

Issued Securities (max. 2,500)

ISIN	Instrument Short Name	Security Group Segmentation	Interest Rate %	Depot / Settlement Currency	Last Redemption Date	Custody Type	Interest Date Day	Interest Date Month	Instrument Status	Source
DE0007664005	VOLKSWAGEN AG ST O.N.	Equities		Euro		Global certificates			Active	WM
DE0007664039	VOLKSWAGEN AG VZO O.N.	Equities		Euro		Global certificates			Active	WM
US9286625010	VOLKSWAGEN AG VZ ADR1/10	Equities		Euro		Gl. Cert. Exchanged			Active	WM
US9286626000	VOLKSWAGEN ADR 1/10/O.N.	Equities		Euro		Gl. Cert. Exchanged			Active	WM
XS2400291469	VW 21/17.08.22	Bonds		Euro	Aug 17, 2022	Permanent gl. cert.			Active	WM

Providers

Filter:

Name	Description
GDB (PROPRIS)	This source provides you with data from the admission processes of Clearstream Banking Frankfurt and Clearstream Luxemburg.
WM	This source indicates information of the data provider Wertpapier-Mitteilungen.
Malta	This source indicates information provided by the Malta Stock Exchange.

Within the folder “Issued Instruments” the related instruments are displayed

WSS Online Plus

Search functionality – Price data

For instruments traded on German venues we provide the following prices and price related information (available as of the 3rd of January 1994):

- Tick-by-tick-Information (trades and related volumes)
- Opening Price / Closing Price
- Cash Listings /Official Listings
- Lowest / highest price
- End of Month price
- Daily turnover, accumulated turnover, annual turnover

For non-German trading venues (international markets) WSS provides closing prices based on six different deliveries via Refinitiv (depending on the time zone).

As for investment funds, intermediate/accumulated earnings are available.



WSS Online Plus

Search functionality – Price search

The screenshot displays the WSS Online Plus interface, divided into two main sections: a search menu on the left and a detailed instrument screen on the right.

Search Menu (Left):

- Search
- Expert Search
- Edit
- Configuration
- Window
- Criteria Lists
- DESC->Top
- Metamodel
- Instrument Search
- Listing Search
- Payment Agency Search
- Event Search
- Index Component Search
- Institution Search
- Investment Funds / Acc. Earnings
- Investment Funds / Interim Profits
- Admission To Listing Search
- Place of Listing Search
- Settlement Calendar
- Price Search** (highlighted)
- Exchange Rates
- Sima
- Current Daily Domestic Prices
- Current Continuous Domestic Prices
- Foreign Prices

Current Prices Search (Bottom Left):

ISIN / WKN / CC / Short Code: DE0007664005 <and/or Select watch list>

Currency ISO: []

Single Quotation: [] Continuous Quotation: []

Exchange: ED Private placements, EDA STOXX-Indices CH, EDB Börse Berlin, EDD Dusseldorf, **EDE Frankfurt - Xetra**, EDF Frankfurt, EDG Berlin - Tradegate Exch.

Market Segment: 3 Freiverkehr, 45 RM Prime Standard, 46 RM General Standard, 54 Xetra-FV/Basic Board, 55 Xetra-FV/Scale

Instruments - Detail Screen (ISIN: DE0007664005) (Right):

View Mode: Mixed View Sources: GDB (PROPRIS), WM, RRDH, ESMA Screen: System - Standard

DE0007664005 766400 VOW GDB VOLKSWAGEN AG St.-Aktien

CBF publication status: published GDB CBF Date inactive: GDB

Instrument Data Prices Income Capital Increase Redemption Conversion Sheet Renewal General Meeting Intern

Current prices Month end prices Accum. Volume Current cont. prices Foreign prices Lowest value Listings Yield

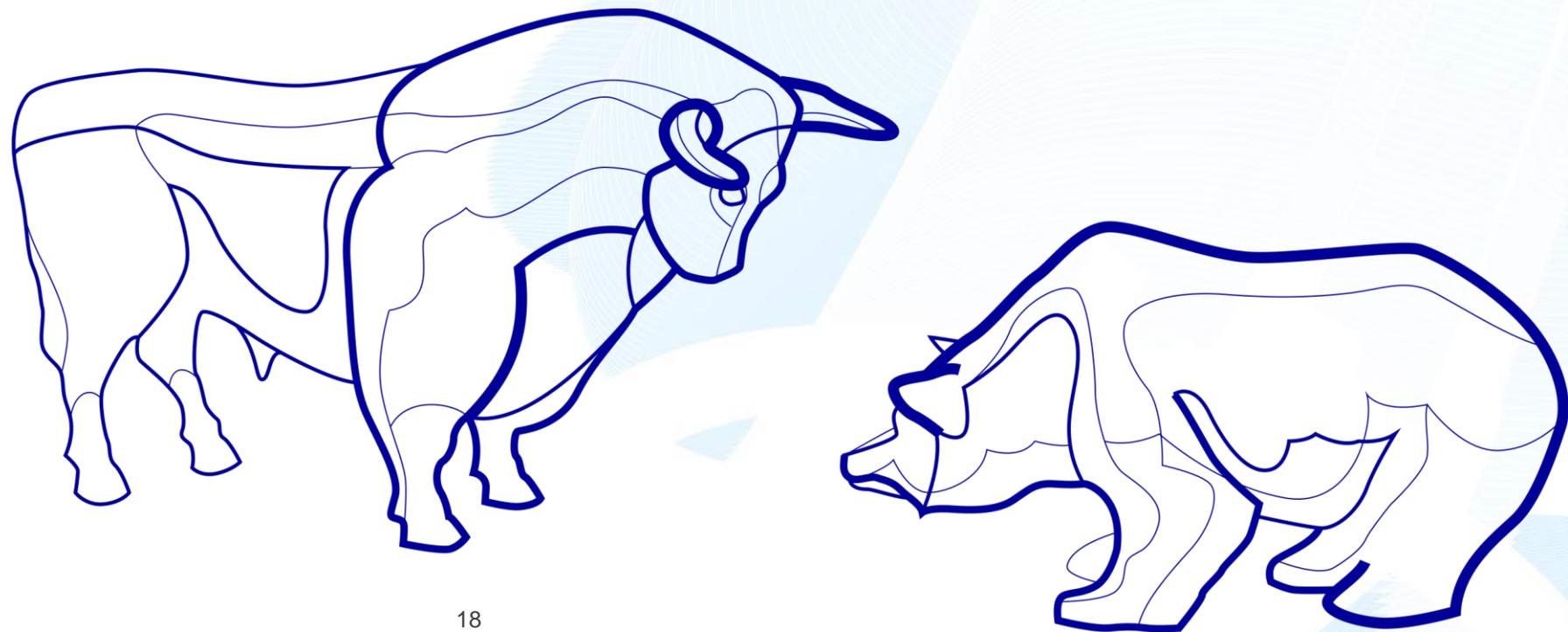
Reload

Variable Daily Prices

Price Date	Market Place Key	Market Place	Currency	Quotation Lot	Last P. Time
Mar 18, 2022	EDB	Börse Berlin	Euro	Quot. in units	08:00:42.450
Mar 18, 2022	EDD	Dusseldorf	Euro	Quot. in units	19:30:48.250

Detail screen

2 T2S



WSS Online Plus

Search functionality – T2S data via instrument search

T2S data is provided by Clearstream Banking Frankfurt only, this is why users must set the source to „GDB“, the following search criteria is available:

The screenshot shows the 'Instrument Search' window with the following search criteria:

Instrument Long Name:	**	Instrument Short Name:	**
CFI-Code:		t2s Issue Date valid from / to:	
Manual t2s Relevance:	▼	Security Exists on t2s:	▼
Lux t2s Relevance:	▼	Auto t2s Relevance:	▼
Mandatory Complete:	▼	CBF Role:	
ts2 Synchro Status:	▼	SME:	▼
t2s Processing Status Security:		Lux SME:	▼
CSD valid from (from / to):		CSD valid to (from / to):	
Link t2s Status:			
Linked CSD Parent BIC:	**	Linked CSD Party BIC:	**
Techn.Issuer CSD Parent BIC:	**	Techn.Issuer Party BIC:	**
Restriction Type:		Restriction valid from (from / to):	

WSS Online Plus

Search functionality – T2S instrument detail screen

Instruments - Detail Screen (ISIN: DE000A0GRYU7)

View Mode Mixed View **Sources** GDB (PROPRIS) **Screen** System - Standard Instrument

DE000A0GRYU7 A0GRYU GDB Land Niederösterreich GDB GS GDB

CBF publication status: published GDB CBF Date inactive: GDB t2s Business-Day: Mar 24, 2022 GDB

Instrument Data Prices Income Capital Increase Redemption Conversion Sheet Renewal General Meeting Intermed. earnings tab. Accum. earnings tab.

Historical versions

Basic Information Issue Trading Data Distribution Redemption Classification Collateral Regulatory Requ. Relations Reference Data Texts Admission Fund Key Data Lost Securities **t2s**

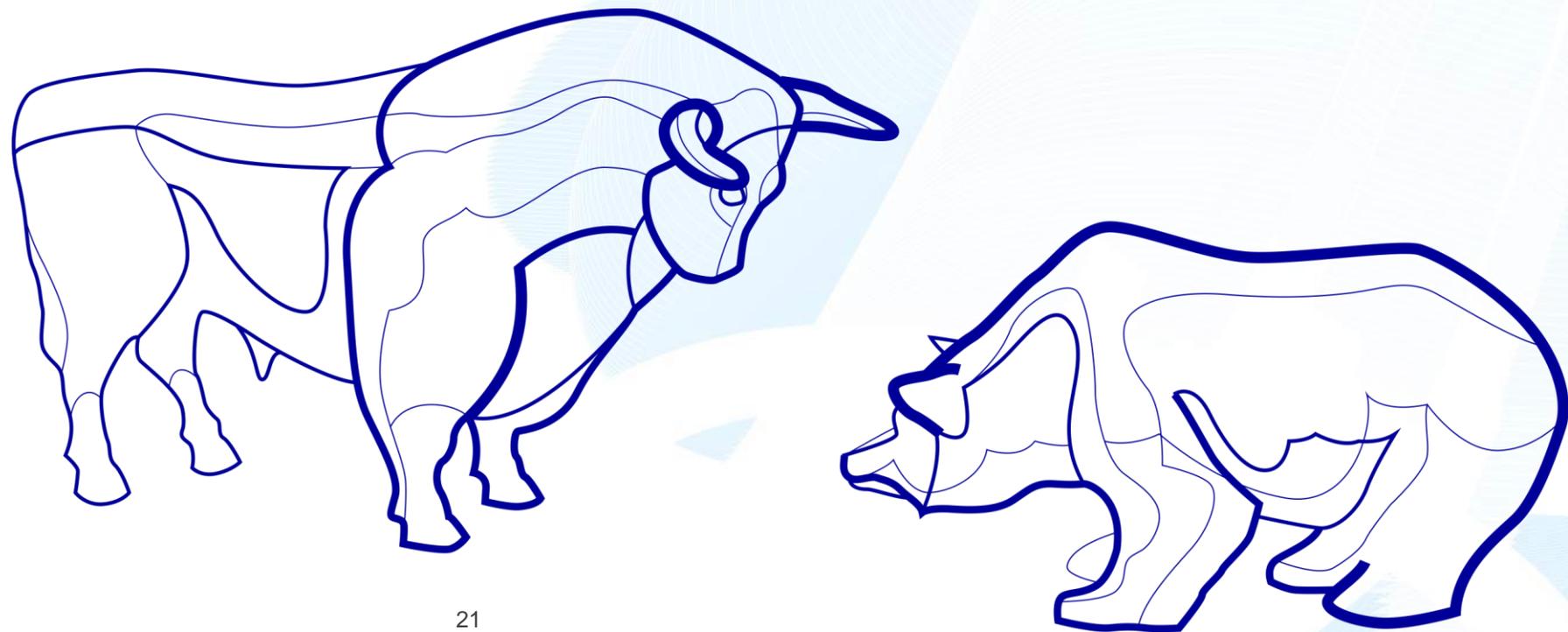
Manual t2s Relevance:	GDB	Mandatory complete:	Yes	GDB	t2s Synchronous Status: Last Action Related:	In Sync
Lux t2s Relevance:	GDB	SME CBF:	Yes	GDB	t2s Processing Status for Admission or Deletion:	create complete
Auto t2s Relevance: Yes	GDB	SME LuxCSD:		GDB	Security existence on t2s:	Yes
		CBF Role:	Issuer CSD	GDB		

data request as of: 03/24/2022 14:50:55 GDB

t2s attributes t2s CSD-Links t2s restrictions t2s Transaction Table t2s Steuerungsinformationen t2s RDF2WSS

t2s Mandatory Attributes	t2s confirmed	t2s status	t2s timestamp
t2s Derived CFI Code 2016: DNVGFB	GDB DNVGFB	GDB modify completed GDB	07/19/2017 05:34:37.051425

3 ESMA



WSS Online Plus

Search functionality – ESMA data

WSS O+ includes the offering of actual data provided by ESMA:

- pivotal **FIRDS** reference data fields
- **FITRS** transparency parameters for equities/non-equities

Please utilise the instrument search and the search parameters indicated below, the latest data record per instrument is available:

Instrument Search 

Sources

ESMA 

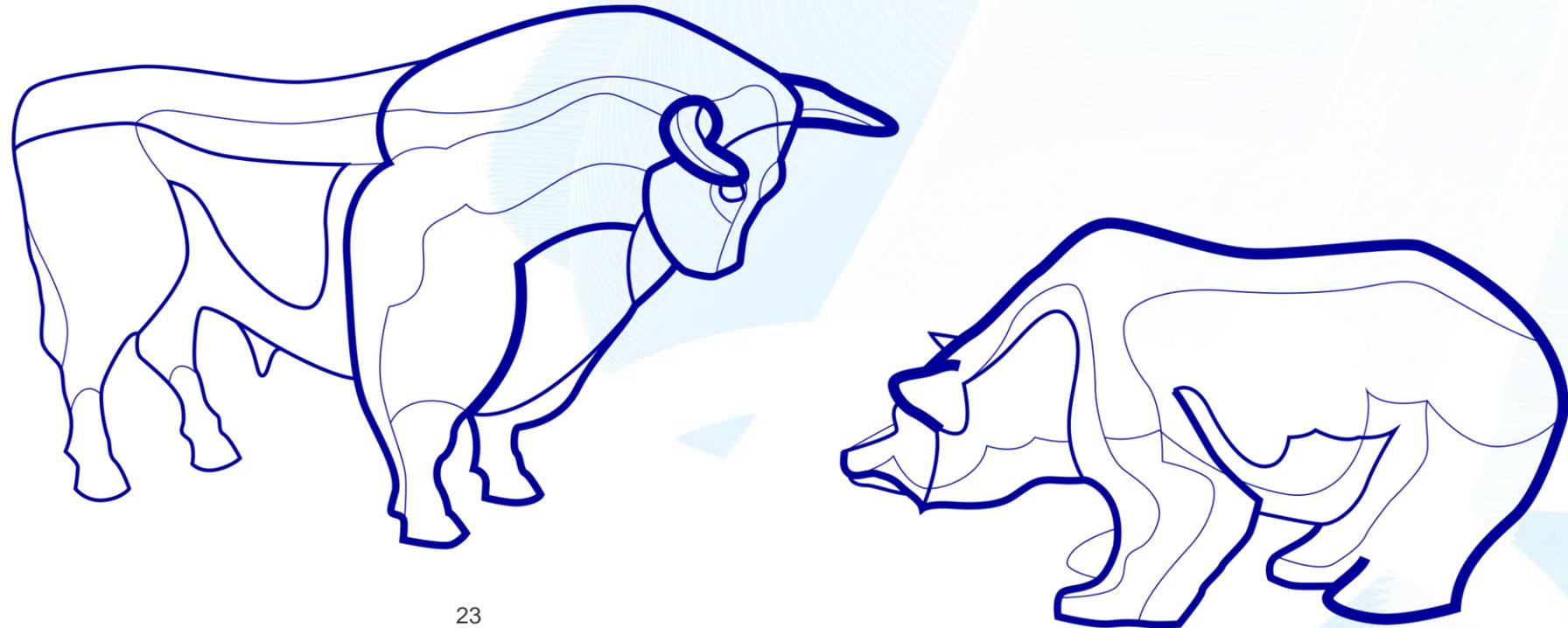
Search Criteria

ISIN / WKN / CC / Short Code: <and/or Select watch list> 

▼ **ESMA Search Criteria**

Instrument Classification: <input type="text"/>	Iss. / Oper. of Trad. Venue ID: <input type="text"/>
Issuer Country of Domicile: <input type="text"/> 	Most Relevant Market: <input type="text"/> 
Liquid Market: <input type="text"/> 	
MiFIR Identifier: <input type="text"/> 	Methodology: <input type="text"/> 
Reporting period from / to: <input type="text"/> <input type="text"/>	

4 Customised features



WSS Online Plus

Customised features – Result lists

A user might define customised result lists via „Configuration/Configure screens“. It is possible to either add a new list or duplicate an existing one, after entering a name the user must confirm with „ok“.

The screenshot displays the 'Configure Screens' interface. At the top, there are tabs for 'Configuration', 'Window', and 'Criteria Lists'. Below this is a 'Manage screens' section with a sub-tab 'Instruments'. The main area is titled 'Instrument' and contains a 'Result tables' section. This section has a table with the following data:

Name	Owner	Copyable			
BIA	System		Open		Duplicate
BIALight	System		Open		Duplicate
Standard Instrument	System		Open		Duplicate
Standard Partner Exchanges	System		Open		Duplicate

Below the table, there is a filter dropdown set to 'show System only', an 'Add' button, and an 'Upload' button. A modal dialog is open, titled 'Determines the name of the result table', with two input fields containing 'ESG' and 'OK/Cancel' buttons.

WSS Online Plus

Customised features – Result lists 2

All available fields are indicated on the left hand tree structure, the individual fields are divided into separate business categories, e.g. the „Instrument Status“ can be retrieved from the folder „Basic Information“. Drag the respective field to the customised list via the green arrow, please save the list.

The screenshot displays the configuration interface for the 'Instrument (Name: ESG)' result table. On the left, a tree structure lists available column elements under 'Instrument Data', including 'Admission', 'Basic Information', 'CCP', 'Central Banks', 'Classification', 'Collateral', 'Distribution', 'Investment Fund Characteristics', 'Issue', 'Legal Requirements', 'Redemption', 'Relations', and 'TARGET2-Securities'. The 'Basic Information' folder is expanded, showing 'Instrument Status' selected. On the right, the 'Selected result tables' list includes 'WM-GD622 ISIN', 'WM-GD260 Instrument Short Name', and 'WM-GD100A Instrument Status'. A green arrow points from the 'Instrument Status' field in the available elements list to the 'Selected result tables' list. Below the lists, a description for 'WM-GD100A Instrument Status' is shown: 'Description: SECURITIES STATUS: This field identifies whether the issue in question is active, not yet active, or inactive. The reason for the status is contained in the field WM-GD100 REASON FOR SECURITIES STATUS. Field ID: WM-GD100A'. The interface includes a menu bar with options like 'Search', 'Expert Search', 'Configuration', 'Window', 'Criteria Lists', 'DESC->Top', 'Metamodel Maintenance', 'Help', 'Functional Administration', and 'Logout'. A toolbar at the bottom contains buttons for 'Save', 'Cancel', 'Expand All', 'Collapse All', 'Field Search', and 'Field List'.

WSS Online Plus

Customised features – Result lists 3

The customised result list can be selected via the drop-down menu „View“ within the result table view:

The screenshot shows the 'Instrument Search' page. The navigation bar includes 'Search', 'Expert Search', 'Configuration', 'Window', 'Criteria Lists', 'DESC->Top', 'Metamodel Maintenance', 'Help', 'Functional Administration', and 'Logout'. The search criteria are: 'Providers:GDB (PROPRIS), WM; Depository Type:1 - Collective Safe Custody; Status:1 - Active; Product Group:1000 - Equities'. The 'View' dropdown menu is highlighted in yellow and set to 'ESG'. Below the search criteria is a table with the following data:

ISIN	Instrument Short Nam	Instrument Status
ANN4327C1220	HUNTER DOUGLAS	Active

Via „Configuration/User settings“ it is even possible to define your tailormade result list as default list:

The screenshot shows the 'Metamodel Maintenance' page. The navigation bar includes 'Configuration', 'Window', 'Criteria Lists', 'DESC->Top', 'Metamodel Maintenance', 'Help', 'Functional Administration', and 'Logout'. The 'Result tables' section is highlighted in yellow and contains the following table:

	Result tables	Detail views	Search Providers
Instruments	ESG	*standard*	*standard*
Index Components	*standard*	*standard*	*standard*
Listing	*standard*	*standard*	*standard*
Payment Agencies	*standard*	*standard*	*standard*
Listing Events	*standard*	*standard*	*standard*

WSS Online Plus

Customised features – Detail screens

A user can create customised detail screens via „Configuration/Configure Screens“. It is possible to either add a new screen or duplicate an existing one, after entering a name the user must confirm with „ok“.

The screenshot displays the 'Manage screens' interface. At the top, there is a navigation bar with tabs for 'Instruments', 'Index Components', 'Listing', 'Payment Agencies', 'Events', 'Institutions', 'Interim Profits', 'Accumulated Earnings', 'Prices', 'FX Rates', and 'DESC'. Below this, a table lists various screens, including 'vwm_vss_miFid_mapping_bonds' and 'Standard Instrument'. A 'Filter' dropdown is set to 'show all'. Below the table, there is a section for 'Detail Screens' with a table listing screens like 'ISE MiFID II.', 'MiFID II Reference Prices', and 'Standard Instrument'. Each row has 'Open' and 'Duplicate' buttons. A modal dialog is open, titled 'Determines the name of the detail screen', with two input fields for 'Admission data' (one with a UK flag, one with a German flag). The 'OK' button is highlighted in yellow.

Name	Owner	Copyable	Open	Duplicate
ISE MiFID II.	System		Open	Duplicate
MiFID II Reference Prices	System		Open	Duplicate
Standard Instrument	System		Open	Duplicate

Name
Admission data
Admission data

WSS Online Plus

Customised features – Detail screens 2

All available fields are indicated on the left hand tree structure, the individual fields are divided into separate business categories, e.g. the „Deposit country“ can be retrieved from the folder „Admission“. Drag the respective field to the customised screen via the green arrow, please save.

Configuration detail screen Instrument (Name: Admission data)

Available fields

- Instrument Data
 - Admission
 - WS-GS221 AIF Special Funds
 - WS-GS210 Cancellation Flag GDB
 - WS-GS414B Current Follow-Up Business (english)
 - WS-GT056 Current Follow-Up Business (german) (Related Field/Table)
 - WS-GS414A Current Follow-Up Business (german)
 - WS-GT034 Denomination CBF (Related Field/Table)
 - WS-GS024 Deposit country/ Depository
 - WS-GS027 Depository CBF
 - WS-GS026 Depository Country CBF
 - WS-GS203 Discrepancy Flag

Configured fields

- Header
 - WS-GS024 Deposit country/ Depository
 - WS-GS221 AIF Special Funds

The customised detail screen can be selected via the drop-down menu „Screen“ within the detail view:

Search Expert Search Configuration Window Criteria Lists DESC->Top Metamodel Maintenance Help Functional Administration Logout

Instruments - Detail Screen (ISIN: DE000A0BKKS6)

View Mode Mixed View **Sources** GDB (PROPRIS), WM **Screen** Admission data

Deposit country/ Depository:	GDB	AIF Special Funds:	Yes	GDB
Publication Status:	published	Publication status F-UP:		GDB

WSS Online Plus

Customised features – Create watchlists

With WSS O+ a user has the option to create tailormade watchlists to be utilised in various searches. Within the menu please open „Configure screens/Watch Lists“.

The screenshot displays the 'Manage watch lists' interface. At the top, there are tabs for 'Instruments', 'Instruments HIT', 'Institutions WM', 'Institutions GDB', and 'Institutions Malta'. Below the tabs, there is a filter dropdown set to 'show System only' and an 'Add' button. The main area contains a table with columns for 'Name' and 'Owner'. The table lists several watchlists, all owned by 'System'. A dialog box is open over the table, titled 'Determine the name of the watch list'. It contains two input fields, both with 'Danish bonds' entered. The first field has a Danish flag icon, and the second has a German flag icon. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Name	Owner				
Index DAX	System	Open			Duplicate
Index HDAX	System	Open			Duplicate
Index MDAX	System				Duplicate
Index SDAX	System	Danish bonds			Duplicate
Index TecDAX	System	Danish bonds			Duplicate
ISINs (Floater) without current WM-supply	System				Duplicate
ISINs from UGAT-Processings	System				Duplicate

WSS Online Plus

Customised features – Create watchlists 2

After having confirmed with „ok“ a new window opens; you can either add new instruments manually or via copy and paste from an excel sheet. Click on the „Add“ button to complete the process, your watchlist is now ready to be used for the instrument or event search.

Edit watch list (Name: Danish bonds / Number of Entries: 217)

ISIN	Instrument Short Name	WKN	Exchange Code	Security Group Segmentation
DK0002004845	NORDEA KREDIT REAL	249085		Bonds
DK0002011386	NORDEA KREDIT REALKRED.	621041		
DK0002011469	NORDEA KREDIT REALKRED.	983943		
DK0002011972	NORDEA KREDIT REAL	842267		
DK0002012434	NORDEA KREDIT REALKREDIT.	881748		
DK0002012780	NORDEA KREDIT REALKREDIT.	A0DZAQ		
DK0002013408	NORDEA KREDIT REAL	A0DW6L		
DK0002014216	NORDEA KREDIT REALKRED.	A0GQV2		
DK0002014489	NORDEA KREDIT REALKREDIT	A0D1N0		
DK0002014729	NORDEA KREDIT REALKRED.	A0E52A		
DK0002014992	NORDEA KREDIT REALKRED.	A0G4AX		Bonds
DK0002016427	NORDEA KREDIT REAL	A0NYVK		Bonds
DK0002016500	NORDEA KREDIT REAL	A0NX15		Bonds
DK0002016856	NORDEA KREDIT REAL	A0TMJE		Bonds
DK0002021187	NORDEA KREDIT REAL	A0TVEC		Bonds
DK0002021260	NORDEA KREDIT REAL	A0TRX4		Bonds
DK0002021344	NORDEA KREDIT REAL	A0TTQR		Bonds

Instrument Search

Sources

WM

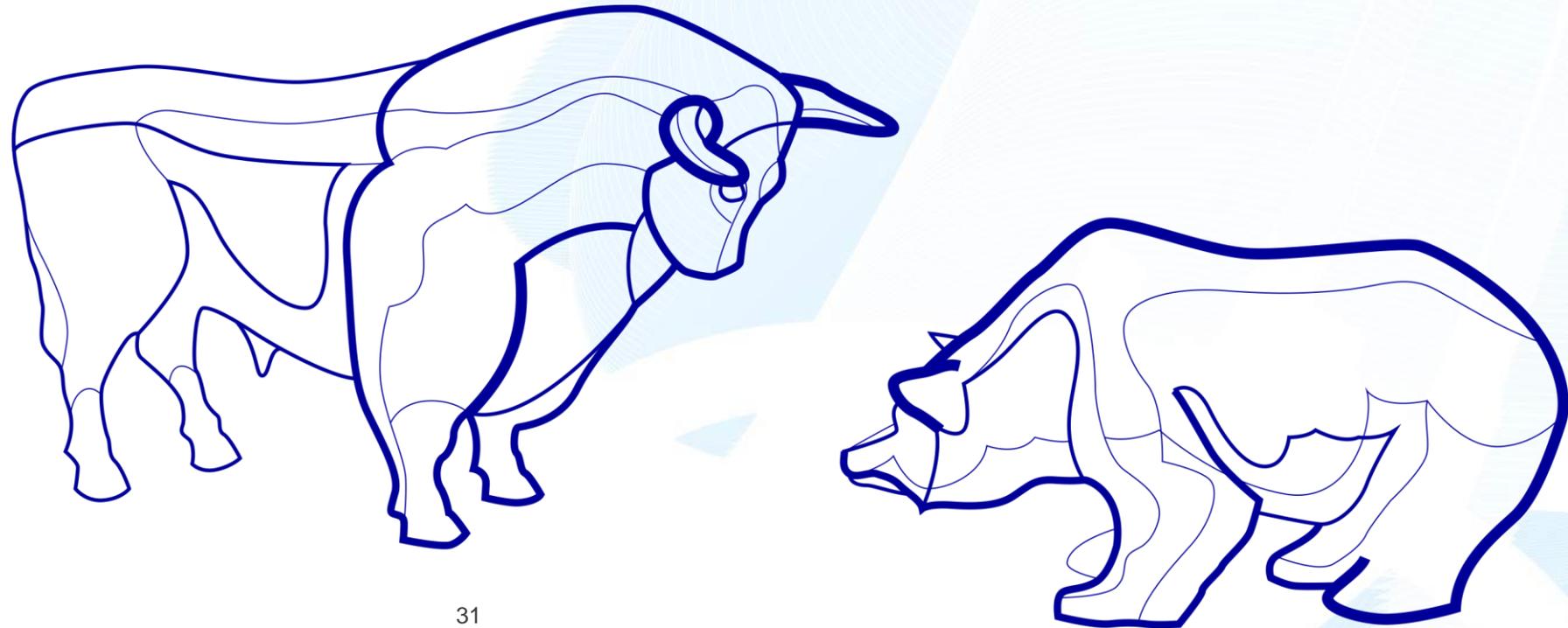
Search Criteria

ISIN / WKN / CC / Short Code: Danish bonds

DK0009924029
DK0009924102
DK0009924292
DK0009924375
DK0030454202

Add Remove Remove all Revise Watchlist Search Reset view Copy all ISINs into text field

Thank you for your attention!



Contact us!

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