

## Centralised Securities Database Data Report 2024-01

Data available from 2009-03-31 to 2024-11-31 Metadata ID: CSDB-Doc-v5-0 DOI: 10.12757/BBk.CSDB.200903-202411.01.01

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#### Abstract

We describe the research dataset "Centralised Securities Database" (CSDB) using a structured metadata schema.<sup>1)</sup> This document consists of three sections. In the first section, we describe the general properties of the dataset as a whole, such as its scope and coverage as well as the methods of data collection and data appraisal. The second section looks at the variable level, providing an overview of the variables and a table with details on each variable. In addition, information on available research datasets are provided in the annex.

**Keywords:** Security-by-security database, debt securities, equity, investment funds, price data, issuer information, security holdings ESCB reference data, security information.

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1 The metadata scheme is derived from the "Data Documentation Initiative" (DDI, http://www.ddialliance.org).

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#### 1 Dataset description

#### 1.1 Overview and identification

The "Centralised Securities Database" (CSDB) is a security-by-security reference database that contains data on instruments, issuers and prices for debt securities, equity instruments and investment fund shares issued worldwide. The objective of the CSDB is to cover all securities relevant for statistical purposes of the European System of Central Banks (ESCB). Thus, the data include "securities issued by residents of euro area Member States, securities likely to be held and transacted in by euro area residents; and securities denominated in euro, whoever the issuer is and wherever they are held" (European Central Bank, 2010, p. 1). Given its high data quality and its outstanding size this database serves as major reference for security information within the ESCB.

The CSDB consolidates micro data from both ESCB-internal and commercial sources, thus leading to a higher coverage of instruments and attributes, in particular regarding non-resident issues. This standardised database is used across several statistical and non-statistical domains and provides a single set of information, reducing asymmetries and inconsistencies in the data analysis. The European Central Bank (ECB) itself provides insights on the main features and processes in the compilation of the CSDB in its publication *The "Centralised Securities Database" in brief* (European Central Bank, 2010). Parts of the ECB's publication dealing with the reception and processing of information in the CSDB overlap with the explanations provided in section 1.4.

The CSDB research data are available as a panel dataset with monthly frequency from March 2009 onwards. Five different subsets of variables from the CSDB were defined and can be made available. Whether access to a certain subset of variables can be granted for instance depends on whether the CSDB data shall be used in combination with other microdata or on its own. Subject to data privacy regulations using the CSDB data in combination with other microdata usually allows for access to a subset with a limited number of variables only and not to the whole dataset. Detailed information on the subsets are provided in the appendix.

#### 1.2 Dataset scope and coverage

#### Legal documents

The CSDB is collected on basis of a voluntary agreement between NCB's and ECB. That is, there is no formal reporting obligation for the NCB's. Still, there is an incentive to participate since only participating NCB's have access to the full consolidated and validated dataset.

Nonetheless, since November 2012 all contributors have to apply common rules for data quality management. These are set by the Guideline of the European Central Bank of 26 September 2012 on the data quality management framework for the Centralised Securities Database (European Central Bank, 2012).<sup>2)</sup>

Before 2012, there exist no official and publicly available sources regarding the CSDB. However, the decision that a reference database for security information would be useful for statistical pro-

duction purposes across Europe, was already taken in 1999. In June 2002, the Governing Council approved the plans to establish such a database. Phase 1 of the CSDB project started to be productive in May 2005. With some adjustments that lead to improvements in terms of data quality and a wider scope of the database, the CSDB entered Phase 2 in April 2009.

#### Unit of analysis

Each row in the data set corresponds to the reporting of a single security identified by the International Securities Identification Number (ISIN).

#### Time periods

The CSDB Data is available on a monthly basis from April 2009 (EXTRACTION\_DATE = 2009-03-31) to December 2024 (EXTRACTION\_DATE = 2024-11-31).

#### Geographic coverage

The data include securities issued by residents of euro area Member States, securities likely to be held by euro area residents or transacted in euro area Member States and securities denominated in euro, regardless of the residency of the issuer or holder.

#### Universe

The objective of the CSDB is to cover all securities relevant for the ESCB's statistical purposes. It is a single information technology infrastructure that contains reference data on instruments (e.g. outstanding amounts, issue and maturity date, type of security, coupon and dividend information, etc.), issuers (identifiers, name, country of residence, economic sector, etc.), prices (market, estimated or defaulted), and ratings (issuer, instrument) on a security-by-security basis. The data comprise information on debt securities, equities and investment fund shares for the geographical coverage as specified above.

The CSDB only covers securities which have a so-called International Securities Identification Number (ISIN). The ISIN serves as a unique identifier for securities and thereby helps to avoid duplicates in the CSDB.

For data reported monthly until October 2015 all ISINs were included and accordingly the respective files with the monthly data continuously grew in file size as newly issued securities' ISINs and their reference data information were included. Responding to the increase in file size, it was decided for monthly data from November 2015 onwards to only include those ISINs in a certain file that belong to active securities or securities that became inactive within the last six month. Thereby the monthly files do not contain papers that are inactive for longer than the last six months and data file size does not rise continuously anymore. An exception to this rule applies if either the issuer or the instrument is in default.<sup>3)</sup> In these cases securities remain in the database until the legal status has been resolved.

Alongside the residency of the issuer, the two most important classifications are the institutional sector of the issuer and the instrument class. Institutional sectors in the CSDB conform to the European System of Accounts (ESA 95/ESA 2010). For the classification of securities two standards already exists: The Classification of Financial Instruments (CFI) and the European System of Accounts (ESA 95/ESA 2010). The CSDB covers both.

#### Historical changes

The database is enriched/amended with 2-3 regular releases per year. As of January 2022 the dataset was expanded with new attributes.

#### 1.3 Data collection

#### Data sources

The CSDB is a multi-source system, where data is collected from various sources. The data is gathered and unified at the European Central Bank (ECB).

#### Data collection mode

Electronic transmission via a web user interface (CSDB Portal).

#### **Collection frequency**

Monthly collection per end-of-month.

#### Supervision

There are bilateral contracts between ECB and every single commercial data provider. The ECB monitors the data provision and may impose sanctions if the commercial data providers do not provide data as contracted. For NCBs, there are no sanctions since the reporting to the CSDB is on a voluntary basis.

<sup>3</sup> Variable SEC\_STATUS codes 203 and 204.

#### 1.4 Data appraisal

#### **Quality checks**

The aim of Data Quality Management (DQM) is to ensure the completeness, accuracy and consistency of output data in the CSDB by consistently applying rules on quality standards for such data. The DQM framework for the CSDB is established in Guideline ECB/2012/21 (European Central Bank, 2012).

DQM is done in a network of NCBs and the ECB. The NCB of the respective euro area Member State in which a security issuer is resident is responsible for the DQM of the data related to that issuer. The ECB is responsible for the DQM of data related to issuers resident outside the euro area unless a non-euro area NCB has accepted the responsibility to conduct DQM for data related to issuers resident in its territory.

Before transferring data to the ECB, NCB's compare the data to other related statistics and national information sources. In doing so, the contributing institutions access the best sources at their disposal and use a set of metrics to examine data developments over time and identify outliers.

The ECB aims to ensure that the data contains neither gaps nor overlaps. Furthermore, it establishes with support from the NCBs several data compilation standards in order to assure that the collected information is accurate and consistent. In this way, national and European expertise is efficiently used by allocating the responsibility of data monitoring according to the origin of that expertise. The overall goal of the above described process is achieving a reasonable degree of standardisation (European Central Bank, 2010).

DQM activities concentrate on securities and attributes which are necessary for the production of statistics (output feed data). The Guideline defines three types of DQM provisions:

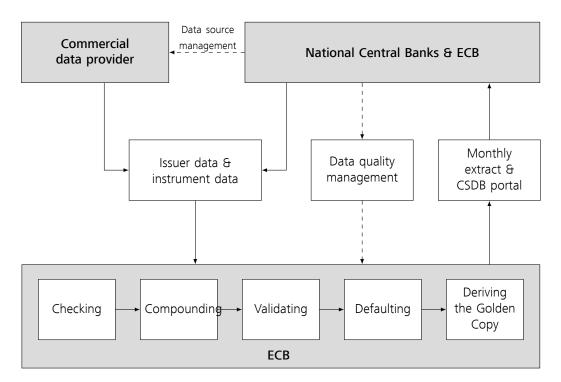
- 1. "Data Source Management" means identifying and correcting repetitive and structural mistakes in the input data directly with a data provider.
- 2. "Initial Data Quality Management" means verifying the data quality of the primary data from NCBs and commercial data providers.
- 3. "Regular Data Quality Management" means ensuring, verifying and maintaining the quality of output feed data through the use and application of DQM targets, DQM metrics, DQM thresholds and the DQM workflow.

Rules related to the use and application of DQM targets, DQM metrics, DQM thresholds and the DQM workflow are attached in Annex I of the Guideline ECB/2012/21 (European Central Bank, 2012). A list of feeds and output feed data attributes covered by the DQM framework can be found in Annex II of the same Guideline.

#### Data editing

Data processing is done within the ECB and can be divided into five sequential steps. These steps are depicted in the grey box at the bottom of Figure 1. Note that solid arrows symbolize data

flows whereas dashed ones refer to processes.





The data is acquired automatically from all sources by the transactional system accessible via a web user interface, also called CSDB Portal. For *checking*, upon reception the data is compared against information from other sources and previous information from the same source. If large deviations are detected in the provision made by one source, the data processing will be stopped. In this case the provided data will be further analysed by the system operators in order to ensure data stability and data quality. Invalid data are filtered out at the start of the process.

Once data reception is finalised, the pooled data may contain inconsistent information that needs to be cleaned. This *compounding* process is done automatically on the basis of rules built into the system to choose the best (i.e. most reliable) value for each attribute where the sources are contradictory. The result of this process is a "cleaned" database with no more than one entry for each attribute for each security.

In the next step, the contents of the CSDB are subject to *validations* as a part of data quality management. The distribution of responsibilities within this process is described in section Quality Checks.

Defaulting becomes relevant as prices and other information may be missing for some securities, especially private placements, unquoted equities and rarely traded securities. The CSDB contains automatic routines to fill the gaps, for example for estimating missing prices. The procedure naturally varies depending on the nature of the missing information, the availability of other relevant information and the type of the instrument. For example, looking at debt securities it is possible to estimate a price using the reference information available for the security, such as coupon information, currency of denomination, residual maturity, and credit standing of the issuer. Pricing equity without direct information is more difficult. A pricing model relates past rates of return on the instrument to rates of return on a market index and uses the current values of that index to update the prices. Appropriate indices are mapped for each single instrument using country, currency, industry and sector information. In addition, if there are no observed market prices and the estimation cannot be done, prices are automatically defaulted by the CSDB system.

Using information from the same or similar securities and also using statistical estimation methods where necessary, the CSDB fills gaps in the data in the best, most consistent way possible. The result is a "golden copy' of the data, which combines the best features of the sources drawn on. The golden copy is extracted on a monthly basis and is stored in a reference database. Consulting only the golden copy it cannot be seen any more which specific information was filled in due to a data gap. Defaulted values are marked as defaulted. The *monthly extracts* are available with a time lag of at most seven working days. The data are released to the end-users and to those NCBs that provide data into the CSDB.

#### 1.5 Data accessibility

#### Research proposal conditions

A research proposal is checked for feasibility of the research project given the research data, i.e. the suitability of the data to answer the research questions raised by the proposal. The research project must be of public interest, that is without commercial goals.

Four different subsets of variables have been defined and are available depending on the intended research project. The subsets are called standard datasets (SDS), followed by the number 1 to 4. SDS 1 to SDS 4 are summarised in Table 1 below.

They differ in the variables which are included and the target group of researchers using the data. The first two versions – SDS 1 and SDS 2 – are intended for Bundesbank employees and researchers under an "agreement concerning access to microdata as part of a research project at the Deutsche Bundesbank in cooperation with a researcher's scientific institution and with the aim to produce output relevant for Deutsche Bundesbank's tasks". The latter two – SDS 3 and SDS 4 – are intended for external researchers who want to undertake their own research project regardless of whether their findings are useful for Deutsche Bundesbank's tasks.

SDS2 and SDS4 can be provided for any research project. Moreover, SDS 1 and SDS 3 may only be provided for projects which use solely the CSDB data or merge the CSDB data only with data

	Internal researcher	External researcher	_
Available only for specific projects	SDS 1	SDS 3	
Available for all projects	SDS 2	SDS 4	

Table 1: Specification of different standard datasets (SDS) of CSDB data

that does not add additional information about security issuers from these other data sources. However, additional information on the securities held may well be added to the data of SDS 1 and SDS 3, as adding of such information may enrich the data used for an analysis but the re-identification risks with regard to security issuers is not increased.

A detailed view on which variable is available in each standard dataset is given in Table 4.

#### Institutional access conditions

The researcher must be affiliated with a research institution that clearly has a scientific, noncommercial agenda.

#### Contact

Deutsche Bundesbank, Research Data and Service Centre (RDSC) E-mail: fdsz-data@bundesbank.de Homepage: https://www.bundesbank.de/rdsc

#### **Deposit requirements**

The researcher must sign a confidentiality agreement and a special contract between Deutsche Bundesbank and the research institution has to be set up. The RDSC must be informed about every document that is made available to the public that contains information derived from the provided data.

#### Statistical Disclosure Control (SDC)

All results generated from CSDB data must comply with the RDSC's rules as outlined in Research Data and Service Centre (2021).<sup>4)</sup> Individual issuers or securities may not be named in results. This also applies to the naming of individual ISINs.

#### **Citation requirements**

For any study or other document which is made available to the public and contains information derived from the provided data, the researcher is obliged to properly cite the data source as:

Blaschke, J., Hirsch, C., Seltmann, S., Schnellbach, F., and Yalcin-Roder, E. (2024). Centralised Securities Database (CSDB), Data Report 2024-01 – Metadata ID CSDB-Doc-v5-0. Deutsche Bundesbank, Research Data and Service Centre.

**<sup>4</sup>** More information on the RDSC's SDC rules can be found in "Rules for visiting researchers at the RDSC," which are available at https://www.bundesbank.de/resource/blob/826176/ffc6337a19ea27359b06f2a8abe0ca7d/mL/2021-02-gastforschung-data.pdf.

### 2 Description of variables

#### 2.1 Overview of variables

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NOMINAL_VALUENominal valueMARKET_CAPITALMarket capitalisationMARKET_CAP_EURMarket Capitalisation in EURPOOL_FACTORPool factorISSUE_PRICEIssue priceISSUE_DTIssue dateMATURITY_DTMaturity dateORIGINAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue date trancheESA_INS_2010_VTESA 2010 instrument classESA_INS_1995_VTESA 95 instrument classESA_INS_1995_VTESA 95 instrument classPAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SUPPL_CLASSInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument seniority typeCFICFI codeCFINCFI 2015 codeIN_EADBIs in EADB	AMOUNT_OUTST_EUR	Amount outstanding in EUR
MARKET_CAPITALMarket capitalisationMARKET_CAP_EURMarket Capitalisation in EURPOOL_FACTORPool factorISSUE_PRICEIssue priceISSUE_DTIssue dateMATURITY_DTMaturity dateORIGINAL_MATURITYOriginal Maturity (in days)RES_MATURITYResidual maturity (lin days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue date trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_1995_VTESA 95 instrument classESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SADBIs in EADB	NUMBER_OUTST	Number outstanding
MARKET_CAP_EURMarket Capitalisation in EURPOOL_FACTORPool factorISSUE_PRICEIssue priceISSUE_DTIssue dateMATURITY_DTMaturity dateORIGINAL_MATURITYOriginal Maturity (in days)RES_IDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue date trancheISSUER_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SUPPL_CLASSInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_EADBIs in EADB	NOMINAL_VALUE	Nominal value
POOL_FACTORPool factorISSUE_PRICEIssue priceISSUE_DTIssue dateMATURITY_DTMaturity dateORIGINAL_MATURITYOriginal Maturity (in days)RES_IDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeCFICFI codeCFINCFI 2015 codeIN_SECIs in EADBIN_EADBIs in EADB	MARKET_CAPITAL	Market capitalisation
ISSUE_PRICEIssue priceISSUE_DTIssue dateMATURITY_DTMaturity dateORIGINAL_MATURITYOriginal MaturityRESIDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUE_PRICE_TRANCHEIssue price trancheISSUE_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_1995ESA 95 instrument classESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in EADB	MARKET_CAP_EUR	Market Capitalisation in EUR
ISSUE_DTIssue dateMATURITY_DTMaturity dateORIGINAL_MATURITYOriginal MaturityRESIDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue price trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010_VTESA 2010 instrument classESA_INS_1995ESA 95 instrument classESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in EADB	POOL_FACTOR	Pool factor
MATURITY_DTMaturity dateORIGINAL_MATURITYOriginal MaturityRESIDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue price trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ISSUE_PRICE	Issue price
ORIGINAL_MATURITYOriginal MaturityRESIDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue price trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in EADB	ISSUE_DT	Issue date
RESIDUAL_MATURITYResidual maturity (in days)RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue price trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	MATURITY_DT	Maturity date
RES_MATURITYResidual maturity classISSUER_PRICE_TRANCHEIssue price trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSCFI codeCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ORIGINAL_MATURITY	Original Maturity
ISSUER_PRICE_TRANCHEIssue price trancheISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	RESIDUAL_MATURITY	Residual maturity (in days)
ISSUER_DT_TRANCHEIssue date trancheESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	RES_MATURITY	Residual maturity class
ESA_INS_2010ESA 2010 instrument classESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument classESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ISSUER_PRICE_TRANCHE	Issue price tranche
ESA_INS_2010_VTESA 2010 instrument class - value typeESA_INS_1995ESA 95 instrument classESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ISSUER_DT_TRANCHE	Issue date tranche
ESA_INS_1995ESA 95 instrument classESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ESA_INS_2010	ESA 2010 instrument class
ESA_INS_1995_VTESA 95 instrument class - value typePAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	esa_ins_2010_vt	ESA 2010 instrument class - value type
PAC2Primary asset classification 2DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ESA_INS_1995	ESA 95 instrument class
DEBT_TYPEDebt typeINS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	esa_ins_1995_vt	ESA 95 instrument class - value type
INS_SENIOR_TYPEInstrument seniority typeASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFl codeCFINCFl 2015 codeIN_SECIs in SECIN_EADBIs in EADB	PAC2	Primary asset classification 2
ASSET_SECURIS_TYPEAsset securitisation typeINS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	DEBT_TYPE	Debt type
INS_SUPPL_CLASSInstrument supplementary classCFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	INS_SENIOR_TYPE	Instrument seniority type
CFICFI codeCFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	ASSET_SECURIS_TYPE	Asset securitisation type
CFINCFI 2015 codeIN_SECIs in SECIN_EADBIs in EADB	INS_SUPPL_CLASS	Instrument supplementary class
IN_SECIs in SECIN_EADBIs in EADB	CFI	CFI code
IN_EADB Is in EADB	CFIN	CFI 2015 code
_	IN_SEC	Is in SEC
PRIV_PLACE Is Private Placement	IN_EADB	Is in EADB
	PRIV_PLACE	Is Private Placement

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PORTFOLIO\_FLAG CENTRAL\_SEC\_DEP HAS\_EMB\_OPT PRIM\_LIST\_NAME PRIM\_LIST\_COUNTRY STRIP DEP\_RECEIPT RULE\_144A REG\_S WARRANT ENTTY\_RIAD\_CD RIAD\_OUID LEI MFI ISS\_ORG\_TYPE ISS\_ORG\_CODE BIC BEI INT\_ORG\_CODE ISS\_ID ISS\_ID\_TYPE ISS\_COMP\_ID ISSUER\_NAME ISSUER\_COUNTRY ISSUER\_COUNTRY\_VT ESA\_ISSUER\_2010 ESA\_ISSUER\_2010\_VT ESA\_ISSUER\_1995 ESA\_ISSUER\_1995\_VT GROUP\_TYPE NACE COUPON\_TYPE COUPON\_CURRENCY COUPON\_FREQUENCY COUPON\_RATE COUPON\_RATE\_SPREAD COUPON\_RATE\_MULTIPLIER COUPON\_RATE\_CAP COUPON\_RATE\_FLOOR COUPON\_RATE\_UNDER\_ISIN COUPON\_DT FIRST\_SCD\_COUPON\_DT LAST\_SCD\_COUPON\_DT REDEMP\_TYPE REDEMP\_FREQUENCY

Instrument portfolio flags Central security depository Has embedded options Primary listing name Primary Listing Residency Country Strip Depository receipt Rule 144A **Regulation S** Warrant **RIAD** Code **RIAD** Organisational Unit Identifier Issuer legal entity identifier (LEI) Issuer MFI code Issuer organisation type Issuer organisation alias code Issuer BIC code Issuer BEI code Internal organisation code ESCB issuer identifier ESCB issuer identifier type Issuer compound ID Issuer Name Issuer domicile country Issuer domicile country - value type Issuer ESA 2010 sector Issuer ESA 2010 sector value - type Issuer ESA 95 sector Issuer ESA 95 sector value - type Group type Issuer NACE sector Coupon type Coupon currency Last coupon frequency Last coupon rate Coupon rate spread Coupon rate multiplier Coupon rate cap Coupon rate floor Coupon rate underlying ISIN Last coupon date First scheduled Coupon date Last scheduled Coupon date Redemption type Redemption frequency

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REDEMP_CURRENCY	Redemption currency
REDEMP_PRICE	Redemption price
PRICE_DT	Price date
PRICE	Price value
PRICE_VT	Price - value type
AVERAGE_PRICE	Monthly average price
VOLUME_TRADED	Volume traded
YIELD	Yield to maturity
BOND_DURATION	Bond duration
ACC_START_DT	Accrual start date
ACC_INC_FAC	Accrued income factor
ACC_INC_FAC_VT	Accrued income factor – value type
ACC_INC_CREDITOR	Accrued income (Creditor)
ACC_INC_CREDIT_VT	Accrued income (Creditor) - value type
ACC_INTEREST	Accrued interest
ACC_COUPON	Accruing coupon
ACC_DISCOUNT	Accruing discount
DIV_AMOUNT	Dividend amount
DIV_TYPE	Dividend income amount type
DIV_CURRENCY	Dividend currency
DIV_DT	Dividend settlement date
DIV_FREQ	Dividend frequency
DIV_INCOME_EUR	Dividend amount in euro
EX_CUM	Ex Cum Dividend
FUND_TYPE	Fund Type
FUND_GEOMARKT	Fund Geographical Market Structure
FUND_ASSET_STRCTYP	Fund Asset Structure Type
DERIVED_INCOME	Derived income
DERIVED_INCOME_DT	Derived income date
DERIVED_INCOME_CURRENCY	•
DERIVED_INCOME_FREQ	Derived income frequency
DERIVED_INCOME_EUR	Derived income in euro
ESG1	ESG1
ESG2	ESG2
ESG3	ESG3
CSEC_STOCK	CSEC relevant stocks
CSEC_GROSS_ISSUANCE	CSEC relevant gross issuances
CSEC_REDEMP	CSEC relevant redemptions
SPLIT_FAC	Last split factor
SPLIT_DT	Last split date

#### 2.2 Details of variables

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Notes	The reference date for the information on the corresponding secur- ity. This is especially important for time-variant variables such as amount outstanding (AMOUNT_OUTSTANDING) or residual maturity (RE- SIDUAL_MATURITY).
Public	yes
Identifier	no
Codelist	no
Category	General attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2, SDS3, SDS4

#### EXTRACTION\_DT: Extraction date

## DT\_LAST\_MODIFIED: Date last modified

Notes	Date on which the instrument has been modified the last time (enrich- ment date). The reported data for the reference date may be corrected later an and this is reflected by the information in date last modified (DT_LAST_MODIFIED).
Public	yes
Identifier	no
Codelist	no
Category	General attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2, SDS3, SDS4

#### **ISIN:** ISIN Code

Notes	The International Securities Identification Number (ISIN) is a code which uniquely identifies a specific security or an other financial instrument. It is based on the ISO 6166 standard and has been created in order to establish a global information network, which ensures that instrument specific information can be obtained worldwide and within a minimum time delay.
Public	yes
Identifier	no
Codelist	no
Category	Instrument identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

IF (Source code type = NCB) and (Issuer's domicile country = member state of NCB)
THEN Source code type
ELSE IF (if the national code type = member state of NcB) and (Issuer's
domicile country= Member state of NCB)
THEN National code type
EISE Missing
no
no
no
Instrument identification
from 2009-03-31 onwards
string
SDS1, SDS2

#### **NAT\_INS\_CODE:** National instrument code

#### NAT\_INS\_CODE\_TYPE: National instrument code type

Notes	Source code or National code according to the National instrument code.
Public	no
Identifier	no
Codelist	no
Category	Instrument identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **INT\_INS\_CODE:** Internal instrument code

Notes	Internal ID that uniquely identifies the last version of the instrument in the CSDB.
Public	no
Identifier	no
Codelist	no
Category	Instrument identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

Notes	Supplementary attribute allowing to identify whether the instrument is alive or not.
Public	no
Identifier	no

# ···CodelistyesCategoryInstrument attributesPeriodOfAvailabilityfrom 2011-05-31 onwardsTypestringIncludedinSDS1, SDS2

Notes	Indicates the Date at which the Security Status has changed from alive to not-alive.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2015-10-31 onwards
Туре	date
Includedin	SDS1, SDS2

#### SEC\_STATUS\_DT: Security Status date

#### SHORT\_NAME: Short name

Notes	Short name given by issuer, defined according to the characteristics of the issue and any available information.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1

#### **QUOTATION\_BASIS:** Quotation basis

Quotation Basis of the instrument.
no
no
yes
Instrument attributes
from 2009-03-31 onwards
string
SDS1, SDS2

Notes	Nominal currency of the instrument (ISO 4217).
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### NOMINAL\_CURRENCY: Nominal currency

#### AMOUNT\_ISSUED: Amount issued

Notes	Amount of the debt instrument that has been raised at issuance (nominal value). For a strip this column indicates the amount the coupon/principal has been stripped at. For a security issued in tranches (under one ISIN) this column indicates the cumulative amount issued so far. Amount issued is denominated in 'Nominal currency'.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### AMOUNT\_OUTSTANDING: Amount outstanding

Notes	Outstanding amount in nominal value. For a security issued in tranches (under the same ISIN) this column indicates the cumulative amount issued so far, net of redemptions. Values are given in nominal currency. Amount outstanding is denominated in 'Nominal currency'. If nominal currency is missing, amount outstanding is denominated in euro.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### AMOUNT\_OUTST\_EUR: Amount outstanding in EUR

Notes Amount outstanding converted into EUR using the EUR exchange rate vis-à-vis Nominal currency valid at the date of population.

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Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **NUMBER\_OUTST:** Number outstanding

Notes	In pursuance of the given field by the ECB "Amount Outstanding type"
	one has to fill either NUMBER_OUTST or AMOUNT_OUTSTANDING.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2011-05-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### NOMINAL\_VALUE: Nominal value

Notes	Par value of the individual equity
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### MARKET\_CAPITAL: Market capitalisation

Notes	For debt type equal D.18 and quotation basis equal CCY, amount out- standing are computed as the market capitalisation (calculated number of shares (TONOUT) * publication price).
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

Notes	Market Capitalisation converted into EUR using the EUR exchange rate
	vis-à-vis Nominal currency valid at the date of population.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2011-05-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

MARKET\_CAP\_EUR: Market Capitalisation in EUR

#### POOL\_FACTOR: Pool factor

Notes	For Mortgage Backed Securities (MBS), Pool Factor or Remaining Principle Balance Factor is the outstanding principal balance of the mortgage pool underlying the security divided by original principal balance. The Pool Factor is an eight digit decimal number between 0 and 1. For Govern- ment Index Linked Securities (ESA S.13 and PAC D.16), the pool factor indicates the index coefficient and could be a number higher than 1.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **ISSUE\_PRICE:** Issue price

Notes	The price fixed towards investors; fees to underwriters should not be taken into account. The quotation basis of the price is indicated by the attribute 'quotation basis'. Instruments quoted in CCY are converted into EUR quoted in PCL are not converted.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **ISSUE\_DT:** Issue date

Notes	The date on which the securities are delivered to the underwriter by the issuer against payment. This is the date when the securities are available for delivery to investors for the first time. Note: For a strip this column
	indicates the date on which the coupon/principal is stripped.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
Period Of Availability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2

#### MATURITY\_DT: Maturity date

Notes	Date on which the debt instrument is actually redeemed.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2

#### **ORIGINAL\_MATURITY:** Original Maturity

Notes	The original maturity of an instrument calculated at the date of popula- tion in days - Empty if no maturity date is available
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2018-02-28 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **RESIDUAL\_MATURITY:** Residual maturity (in days)

Notes	The residual maturity of an instrument calculated at the reference date (EXTRACTION_DT). Empty if no maturity date (MATURITY_DATE) is avail- able.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes

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PeriodOfAvailability	from 2018-02-28 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **RES\_MATURITY:** Residual maturity class

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Notes	The residual maturity of an instrument calculated at the date of popula- tion (up to and including one year, over one year, matured). So far we defined no 'other' category as at the end all relevant instruments must be allocated to one of the brackets. Defaulting rules, e.g. in case on missing maturity dates, must still be agreed in detail.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2011-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **ISSUER\_PRICE\_TRANCHE:** Issue price tranche

Notes	The tranche issue price is the price at which a new tranche of an existing security was offered to the market.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2019-01-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **ISSUER\_DT\_TRANCHE:** Issue date tranche

Notes	The tranche issue date refers to the day of the reference month when a new tranche of an existing security was issued. In case of multiple issuances within the reference month, the date refers to the issue date of the last tranche.
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2019-01-31 onwards
Туре	date
Includedin	SDS1, SDS2

Notes	Classification of the security according to ESA 2010.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2013-02-28 onwards
Туре	string
Includedin	SDS1, SDS2

#### ESA\_INS\_2010: ESA 2010 instrument class

#### ESA\_INS\_2010\_VT: ESA 2010 instrument class - value type

Notes	Indicates whether Instrument ESA 2010 classification contains the ori- ginal CSDB value or a defaulted value.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2015-10-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### ESA\_INS\_1995: ESA 95 instrument class

Notes	Classification of the security according to ESA 95. Short-term financial assets (liabilities) are financial assets (liabilities) whose original maturity is one year or less. Long-term financial assets (liabilities) are financial assets (liabilities) whose original maturity is more than one year. Note: The (sub)categories should be provided according to the largest level of detail possible
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### ESA\_INS\_1995\_VT: ESA 95 instrument class - value type

Notes	Indicates whether Instrument ESA 95 class contains the original CSDB
	value or a defaulted value.
Public	no
Identifier	no
Codelist	yes

Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

## PAC2: Primary asset classification 2

Notes	Primary classification of the instrument (e.g. indicating whether the in- strument is a debt, equity or fund with some further details).
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2014-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **DEBT\_TYPE:** Debt type

Notes	Type of debt instrument. The code list only includes PAC classifications
	that start with D(Debt), E(Equity), H(Hybrids) and F(Funds). The classific-
	ations that start with C (Comodity), I (Index), M (market Interest rate),
	P (Issuance Programme), R (Derivative), X(Cross currency rate), U(Curve)
	and O(Portfolio) are not included. The codes marked in grey can be de-
	rived from the csv files based on a derivation rule that includes the fields
	debt type, CFI code and ESA 95 instrument classification. The update of
	the remaining codes is also technically possible using the type 2/type 3
	override functionality in the portal. However, these codes should not be
	updated because they are not part of the current business process.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **INS\_SENIOR\_TYPE:** Instrument seniority type

Notes	It indicates whether the instrument is guaranteed or not, its rank level
	and whether it is secured or not.
Public	no
Identifier	no
Codelist	yes

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Category	Instrument attributes
PeriodOfAvailability	from 2014-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### ASSET\_SECURIS\_TYPE: Asset securitisation type

Notes	Type of securing asset
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **INS\_SUPPL\_CLASS:** Instrument supplementary class

Notes	Supplementary attribute allowing to identify whether an instrument should be included in securities issued statistics (SEC) or not. (It can take values like $1 = \text{'coupon strip'}$ , $2 = \text{'principal strip'}$ etc.) Together with the security status this attribute should allow to define whether a security should be included in SEC or not. Note: Until release 2.7, the attribute is calculated only for debt instruments.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2011-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

## CFI: CFI code

Notes	The CFI reflects characteristics that are defined when a financial instru- ment is issued and remain unchanged during its entire lifetime. The CFI consists of six alphabetical characters: The first character indicates the highest level of classification (categories). The second character indicates specific groups within each category. The third to sixth character indic- ate the most important attributes to each group. Within each group, the attributes may be fully interchanged.
Public	no
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Identifier	no
Codelist	yes

Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### CFIN: CFI 2015 code

Notes	The CFI reflects characteristics that are defined when a financial instru-
Notes	
	ment is issued and remain unchanged during its entire lifetime. The CFI
	consists of six alphabetical characters: The first character indicates the
	highest level of classification (categories). The second character indicates
	specific groups within each category. The third to sixth character indic-
	ate the most important attributes to each group. Within each group, the
	attributes may be fully interchanged.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2017-06-30 onwards
Туре	string
Includedin	SDS1, SDS2

#### **IN\_SEC:** Is in SEC

Notes	An attribute which can be used to identify securities that should be in- cluded in 'current outstanding amounts Note: This virtual attribute will be derived based on instrument supplementary class and security status and PAC
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2011-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **IN\_EADB:** Is in EADB

Notes	Attribute indicating whether an instrument is eligible to be pledged as collateral for Eurosystem credit operations.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes

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PeriodOfAvailability	from 2011-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **PRIV\_PLACE:** Is Private Placement

Notes	Whether the security is issued through a Private placement (Y/N).
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **PORTFOLIO\_FLAG:** Instrument portfolio flags

Notes	Indicates whether the instrument is relevant for any particular output user
	(e.g. MMSR)
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2017-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **CENTRAL\_SEC\_DEP:** Central security depository

Notes	Code of the Central securities depository, i.e. where the material or im- material security is actually stored and managed
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2009-03-31 until 2017-01-31 (use PRIM_LIST_NAME afterwards)
Туре	string
Includedin	SDS1, SDS2

#### HAS\_EMB\_OPT: Has embedded options

Notes	Indicates whether an embedded redemption option exists.
Public	no

Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2015-10-31 onwards
Туре	string
Includedin	SDS1, SDS2

Notes	Indicates the name of the Central Securities Depository where the instru-
	ment is primary listed
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2016-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### PRIM\_LIST\_NAME: Primary listing name

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#### PRIM\_LIST\_COUNTRY: Primary Listing Residency Country

Notes	Indicates the Residence Country of the Central Securities Depository where the instrument is primary listed
Public	no
Identifier	no
Codelist	no
Category	Instrument attributes
PeriodOfAvailability	from 2016-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### STRIP: Strip

Notes	Indicates whether the instrument is a strip.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

Notes	Indicates whether the instrument is a depository receipt.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **DEP\_RECEIPT:** Depository receipt

## RULE\_144A: Rule 144A

Notes	Indicates whether the instrument is the SEC Rule 144A portion of an
	issuance.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **REG\_S:** Regulation S

Notes	Indicates whether the instrument is the SEC Regulation S portion of an issuance (the flag is only to be used for ISINs which are specific Reg S portions of an issuance - it should not be used for ISINs that simply include a reference to Reg S compliance in their prospectus which applies to virtually all securities issued outside the United States).
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### WARRANT: Warrant

Notes	Indicates whether the instrument is a warrant.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards

Туре	string
Includedin	SDS1, SDS2

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#### ENTTY\_RIAD\_CD: RIAD Code

Notes	RIAD code of the issuer.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2020-11-30 onwards
Туре	string
Includedin	SDS1, SDS3

#### **RIAD\_OUID:** RIAD Organisational Unit Identifier

Notes	RIAD internal code to identify an issuer.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2021-06-30 onwards
Туре	string
Includedin	SDS1, SDS3

#### LEI: Issuer legal entity identifier (LEI)

Notes	Issuer Legal Entity Identifier code.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2014-12-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### MFI: Issuer MFI code

Notes	MFI code for issuers.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification

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PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### **ISS\_ORG\_TYPE:** Issuer organisation type

Notes	The 'Issuer organisation type' is the corresponding attribute to the 'Issuer organisation code'. While the 'Issuer organisation code' contains an issuer identifier, the 'Issuer organisation type' contains information about the source of the respective identifier.
Public	yes
Identifier	yes
Codelist	yes
Category	Issuer identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### **ISS\_ORG\_CODE:** Issuer organisation alias code

Notes	Issuer's source alias code or Issuer's external alias code according to the above.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### **BIC:** Issuer BIC code

Notes	BIC code (Bank Identifier Code by SWIFT) for issuers.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS3

Notes	BEI (Business Entity Identifier by SWIFT) code for issuers.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### **BEI:** Issuer BEI code

#### **INT\_ORG\_CODE:** Internal organisation code

Notes	Internal ID that uniquely identifies the last version of the organisation in the CSDB (IRDB record ID).
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2, SDS3

#### **ISS\_ID:** ESCB issuer identifier

Notes	The ESCB issuer identifier is an issuer identification code loaded only via a dedicated list corresponding to a type defined in the ESCB issuer identifier type codelist.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2011-05-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### **ISS\_ID\_TYPE:** ESCB issuer identifier type

Notes	The ESCB issuer identifier type can have four distinct values which indicate whether an instrument is part of an official ECB issuer code list (MFI list, IF list, FVC list, or ICPF list) The ESCB issuer Identifier field will only reflect what has been loaded via
Public Identifier	a 'list' (initially the list of investment funds). The MFI code will continue to be provided via the already existing attribute 'Issuer MFI code'. yes

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Codelist	yes
Category	Issuer identification
PeriodOfAvailability	from 2011-05-31 onwards
Туре	string
Includedin	SDS1, SDS3

ISS_COMP_ID: Issuer compound ID	
Notes	Internal ID that uniquely identifies the last version of the organisation in the CSDB to be used for DQM purposes.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer identification
PeriodOfAvailability	from 2011-05-31 onwards
Туре	numeric
Includedin	SDS1, SDS3

#### **ISSUER\_NAME:** Issuer Name

Notes	Name of the issuer.
Public	yes
Identifier	yes
Codelist	no
Category	Issuer attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS3

#### **ISSUER\_COUNTRY:** Issuer domicile country

Notes	Country of legal incorporation (domiciliation) of the issuer of the security (ISO 3166).
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

Notes	Indicates whether Issuer domicile Country contains the original CSDB value or a defaulted value.
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

#### **ISSUER\_COUNTRY\_VT:** Issuer domicile country - value type

#### ESA\_ISSUER\_2010: Issuer ESA 2010 sector

Notes	Institutional sector of the issuer according to ESA 2010.
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2013-02-28 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

#### ESA\_ISSUER\_2010\_VT: Issuer ESA 2010 sector value - type

Notes	Indicates whether Issuer ESA 2010 Sector contains the original CSDB
	value or a defaulted value.
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2015-10-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

#### ESA\_ISSUER\_1995: Issuer ESA 95 sector

Notes	Institutional sector of the issuer according to ESA95.
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

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Notes	Indicates whether Issuer ESA 95 Sector contains the original CSDB value
	or a defaulted value.
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

#### ESA\_ISSUER\_1995\_VT: Issuer ESA 95 sector value - type

#### GROUP\_TYPE: Group type

Notes	Indicates the grouping status of an issuer.
Public	no
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2015-10-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

#### NACE: Issuer NACE sector

Notes	Main economic activity according to NACE. NACE – Classification of Eco- nomic Activities in the European Community Note: The (sub)categories should be provided according to the most granular level of detail possible
Public	yes
Identifier	no
Codelist	yes
Category	Issuer attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2, SDS3, SDS4

#### COUPON\_TYPE: Coupon type

Notes	Type of the coupon.
Public	no
Identifier	no
Codelist	yes
Category	Coupon attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### COUPON\_CURRENCY: Coupon currency

Notes	Code of the coupon currency (ISO 4217).
Public	no
Identifier	no
Codelist	yes
Category	Coupon attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### COUPON\_FREQUENCY: Last coupon frequency

Notes	Frequency per year, in which the Last coupon rate is being paid out.
Public	no
Identifier	no
Codelist	yes
Category	Coupon attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### COUPON\_RATE: Last coupon rate

Notes	Last coupon rate in % per annum actually paid (annualised rate).
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### COUPON\_RATE\_SPREAD: Coupon rate spread

Notes	Coupon spread for the floating rate note in percentage (basis) points. For example a six-month EURIBOR plus 20 basis points, the spread is 0.002.
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

Notes	Index factor (i.e. factor multiplying on to the rate to get the coupon). For example 3 times six-month EURIBOR plus 20 basis points, the multiplier is 3
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### COUPON\_RATE\_MULTIPLIER: Coupon rate multiplier

#### COUPON\_RATE\_CAP: Coupon rate cap

	· · · ·
Notes	The maximum value that a variable rate coupon can take
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### COUPON\_RATE\_FLOOR: Coupon rate floor

Notes	The minimum value that a variable rate coupon can take
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### COUPON\_RATE\_UNDER\_ISIN: Coupon rate underlying ISIN

Notes	The ISIN code of the reference rate that determines the coupon rate (e.g. the EURIBOR 3M)
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

Notes	Date of last coupon rate actually paid. (The attribute permits to identify whether the Last coupon rate actually paid falls into the reporting period or not.)
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2

# COUPON\_DT: Last coupon date

# FIRST\_SCD\_COUPON\_DT: First scheduled Coupon date

Notes	Date of the first coupon payment according to the defined schedule
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	date
Includedin	SDS1, SDS2

# LAST\_SCD\_COUPON\_DT: Last scheduled Coupon date

Notes	Date of the last coupon payment according to the defined schedule
Public	no
Identifier	no
Codelist	no
Category	Coupon attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	date
Includedin	SDS1, SDS2

# **REDEMP\_TYPE:** Redemption type

Notes	Redemption type.
Public	no
Identifier	no
Codelist	yes
Category	Redemption attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

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Notes	Frequency of redemptions for a debt instrument.
Public	no
Identifier	no
Codelist	yes
Category	Redemption attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

# **REDEMP\_FREQUENCY:** Redemption frequency

# **REDEMP\_CURRENCY:** Redemption currency

Notes	Code of the currency of the payment of the principal (ISO 4217).
Public	no
Identifier	no
Codelist	yes
Category	Redemption attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

# **REDEMP\_PRICE:** Redemption price

Notes	Final redemption price.
Public	no
Identifier	no
Codelist	no
Category	Redemption attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# **PRICE\_DT:** Price date

Notes	Date which the price information provided in 'Price value' refers to.
Public	no
Identifier	no
Codelist	no
Category	Price attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2

# **PRICE:** Price value

Notes	Last available representative price of the instrument at the reference date in Quotation basis and Nominal currency (if applicable) of the instrument. For interest bearing securities, the clean price is provided, i.e. excluding accrued interest.
Public	no
Identifier	no
Codelist	no
Category	Price attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# PRICE\_VT: Price - value type

Notes	Nature of Price value.
Public	no
Identifier	no
Codelist	yes
Category	Price attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

# AVERAGE\_PRICE: Monthly average price

Notes	Average of normalised prices of the instrument available in the last 30 calendar days up to the reference date in Quotation basis and Nominal currency (if applicable) of the instrument.
Public	no
Identifier	no
Codelist	no
Category	Price attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### VOLUME\_TRADED: Volume traded

Notes	Sum of all traded volumes of the instrument on different stock ex-
	changes.
Public	no
Identifier	no
Codelist	no
Category	Price attributes

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PeriodOfAvailability	from 2015-10-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

## **YIELD:** Yield to maturity

Notes	Security specific yield to maturity in %.
Public	no
Identifier	no
Codelist	no
Category	Yield attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# BOND\_DURATION: Bond duration

Notes	Macaulay Duration of the bond (in years)
Public	no
Identifier	no
Codelist	no
Category	Yield attributes
PeriodOfAvailability	from 2016-12-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# ACC\_START\_DT: Accrual start date

Notes	Date on which the interest starts to accrue for interest paying debt in-
	struments.
Public	no
Identifier	no
Codelist	no
Category	Income attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2

Notes	Daily security specific income factor in %, calculated following the debtor approach (The factor is based on accruals, i.e. giving the combined effect of accrued interest and income due to difference in issue and redemption price).
Public	no
Identifier	no
Codelist	no
Category	Income attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# ACC\_INC\_FAC: Accrued income factor

# ACC\_INC\_FAC\_VT: Accrued income factor – value type

Notes	Indicates whether Accrued income factor contains the original CSDB	
	value or a defaulted value.	
Public	no	
Identifier	no	
Codelist	yes	
Category	Income attributes	
PeriodOfAvailability	from 2009-03-31 onwards	
Туре	string	
Includedin	SDS1, SDS2	

# ACC\_INC\_CREDITOR: Accrued income (Creditor)

Notes	Daily, security specific income, in %, calculated following the creditor approach.	
Public	no	
Identifier	no	
Codelist	no	
Category	Income attributes	
PeriodOfAvailability	from 2009-03-31 onwards	
Туре	numeric	
Includedin	SDS1, SDS2	

# ACC\_INC\_CREDIT\_VT: Accrued income (Creditor) - value type

Notes	Indicates whether Accrued income (Creditor) contains the original CSDB value or a defaulted value.
Public	no
Identifier	no
Codelist	yes
Category	Income attributes

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PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

## ACC\_INTEREST: Accrued interest

Notes	Interest accrued since the last coupon payment or since the accrual start date. For interest bearing securities, adding this value to the Price value results in the so-called "dirty price".
Public	no
Identifier	no
Codelist	no
Category	Income attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# ACC\_COUPON: Accruing coupon

Notes	
Public	no
Identifier	no
Codelist	no
Category	Income attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# ACC\_DISCOUNT: Accruing discount

Notes	
Public	no
Identifier	no
Codelist	no
Category	Income attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

# **DIV\_AMOUNT:** Dividend amount

Notes

Amount of the last dividend payment per share (in Dividend amount type) before tax (gross dividend).

Public	no
Identifier	no
Codelist	no
Category	Dividend attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	numeric
Includedin	SDS1, SDS2

#### **DIV\_TYPE:** Dividend income amount type

Notes	Dividend income amount per share may be denominated in Dividend cur- rency or in number of shares for equities. For funds the Dividend_Income amount per share in cash may be distributed or/and retained.
Public	no
Identifier	no
Codelist	yes
Category	Dividend attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

# DIV\_CURRENCY: Dividend currency

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Notes	ISO 4217 code of the currency of the last dividend payment.
Public	no
Identifier	no
Codelist	yes
Category	Dividend attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

# **DIV\_DT:** Dividend settlement date

Notes	Settlement date of the last dividend payment. (The attribute permits to identify whether the Dividend amount paid falls into the reporting period or not.).
Public	no
Identifier	no
Codelist	no
Category	Dividend attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	date
Includedin	SDS1, SDS2

# **DIV\_FREQ:** Dividend frequency

Notes	Number of dividend payments within a period of time.
Public	no
Identifier	no
Codelist	yes
Category	Dividend attributes
PeriodOfAvailability	from 2019-09-30 onwards
Туре	string
Includedin	SDS1, SDS2

#### DIV\_INCOME\_EUR: Dividend amount in euro

Notes	Dividend amount converted into EUR using the EUR exchange rate
Public	no
Identifier	no
Codelist	no
Category	Dividend attributes
PeriodOfAvailability	from 2019-09-30 onwards
Туре	numeric
Includedin	SDS1, SDS2

# EX\_CUM: Ex Cum Dividend

Notes	Indicator whether the price is including / excluding entitlement to di- vidend.
Public	no
Identifier	no
Codelist	yes
Category	Dividend attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

# FUND\_TYPE: Fund Type

Notes	Open / closed fund
Public	no
Identifier	no
Codelist	yes
Category	Fund attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

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Notes	Geographical split of (majority of) underlying assets
Public	no
Identifier	no
Codelist	yes
Category	Fund attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2
Includedin	SDS1, SDS2

#### FUND\_GEOMARKT: Fund Geographical Market Structure

# FUND\_ASSET\_STRCTYP: Fund Asset Structure Type

Notes	Type of (majority of) underlying assets
Public	yes
Identifier	no
Codelist	yes
Category	Fund attributes
PeriodOfAvailability	from 2009-03-31 onwards
Туре	string
Includedin	SDS1, SDS2

#### **DERIVED\_INCOME:** Derived income

BPM6 concept of "income attributable to investment fund shareholders" (D443) per unit (WG ES methodology)
no
no
no
Derived income attributes
from 2018-12-31 onwards
numeric
SDS1, SDS2

#### DERIVED\_INCOME\_DT: Derived income date

Notes	Date to which the income amount has been calculated by the NCB, i.e. end of the month or end of the quarter depending on the data provision by the respective NCB
Public	no
Identifier	no
Codelist	no
Category	Derived income attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	date
Includedin	SDS1, SDS2

Notes	Currency on which the income amount is based
Public	no
Identifier	no
Codelist	no
Category	Derived income attributes
PeriodOfAvailability	from 2018-12-31 onwards
Туре	string
Includedin	SDS1, SDS2

### DERIVED\_INCOME\_CURRENCY: Derived income currency

# DERIVED\_INCOME\_FREQ: Derived income frequency

Notes	Defining the time frame to which the derived income calculated by NCBs is referring to.
Public	no
Identifier	no
Codelist	yes
Category	Derived income attributes
PeriodOfAvailability	from 2019-09-30 onwards
Туре	string
Includedin	SDS1, SDS2

# DERIVED\_INCOME\_EUR: Derived income in euro

Notes	Derived income amount converted into EUR using the EUR exchange rate
Public	no
Identifier	no
Codelist	no
Category	Derived income attributes
PeriodOfAvailability	from 2019-09-30 onwards
Туре	numeric
Includedin	SDS1, SDS2

# ESG1: ESG1

Notes	Information about the Self-Labelled sustainable instrument: (1) classific- ation and (2) standards, i.e. [Classification]-[Standards].
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-07-31 onwards
Туре	string
Includedin	SDS1, SDS2

# ESG2: ESG2

Notes	Information about the verified, Second-Party-Opinion (SPO) sustainable instruments: (1) classification and (2) standards, i.e. [Classification]-[Standards].		
Public	no		
Identifier	no		
Codelist	yes		
Category	Instrument attributes		
PeriodOfAvailability	from 2022-07-31 onwards		
Туре	string		
Includedin	SDS1, SDS2		

# ESG3: ESG3

Notes	Information about the Certified sustainable instrument: (1) classification and (2) standards, i.e. [Classification]-[Standards].	
Public	no	
Identifier	no	
Codelist	yes	
Category	Instrument attributes	
PeriodOfAvailability	from 2022-07-31 onwards	
Туре	string	
Includedin	SDS1, SDS2	

# CSEC\_STOCK: CSEC relevant stocks

Notes	Indicates whether the instrument is relevant for CSEC stocks.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

# CSEC\_GROSS\_ISSUANCE: CSEC relevant gross issuances

Notes	Indicates whether the instrument is relevant for CSEC gross issuances.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

Notes	Indicates whether the instrument is relevant for CSEC redemptions.
Public	no
Identifier	no
Codelist	yes
Category	Instrument attributes
PeriodOfAvailability	from 2022-05-31 onwards
Туре	string
Includedin	SDS1, SDS2

# **CSEC\_REDEMP:** CSEC relevant redemptions

# SPLIT\_FAC: Last split factor

SPLIT_FAC. Last split lactor	
Notes	Stock splits (and reverse splits) of shares.
Public	no
Identifier	no
Codelist	no
Category	Event attributes
PeriodOfAvailability	from 2009-04-30 onwards
Туре	numeric
Includedin	SDS1, SDS2

# SPLIT\_DT: Last split date

Notes	Date as of which the stock split becomes effective.
Public	no
Identifier	no
Codelist	no
Category	Event attributes
PeriodOfAvailability	from 2009-04-30 onwards
Туре	date
Includedin	SDS1, SDS2

# 3 Definitions

# International organisations

International organisations are entities established by formal political agreements between their members that have the status of international treaties; their existence is recognised by law in their member countries; they are not treated as resident institutional units of the countries in which they are located. The international organisations condensed in country code "1A" can be found in appendix C.

# Monetary financial institutions (MFIs)

Monetary financial institutions (MFIs) are central banks, resident credit institutions as defined in Community law, other resident financial institutions and also money market funds, whose business is to receive deposits and/or close substitutes for deposits from entities other than MFIs and, for their own account (at least in economic terms), to grant credits and/or make investments in securities. For details see Article 1 of Regulation (EU) No 1071/2013 of the European Central Bank of 24 September 2013 concerning the balance sheet of the monetary financial institutions sector (recast) (ECB/2013/33).<sup>5)</sup>

# Normalised prices

The normalised price for a specific date is the first one available from the following list:

- 1. Daily close mid price.
- 2. Average of daily close bid price and daily close ask price.
- 3. Daily close bid price.
- 4. Daily close ask price.
- 5. Price from the record with greatest ID.

# References

- European Central Bank. (2010, February 2). The "centralised securities database" in brief. Retrieved April 21, 2020, from https://www.ecb.europa.eu/pub/pdf/other/ centralisedsecuritiesdatabase201002en.pdf?fab2aa43b3104c803e93ab90139f1e6c
- European Central Bank. (2012, September 26). Guideline of the european central bank of 26 september 2012 on the data quality management framework for the centralised securities database (ECB/2012/21). Retrieved May 14, 2018, from http://data.europa.eu/eli/guideline/ 2012/21/oj

# A Codelists

Codelists are available in Excel format and can be obtained by researchers working with CSDB data. If a codelist is available for a specific variable is indicated in the small tables in section 2.2.

# **B** Standard datasets

For research purposes four different subsets of variables from the CSDB have been defined and are available depending on the intended research project. The subsets are called standard datasets (SDS), followed by the number 1 to 4. SDS 1 to SDS 4 are summarised in Table 3 below.

Table 3: Specification of different standard	datasets (SDS) of CSDB data
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	Internal researcher	External researcher
Available only for specific projects	SDS 1	SDS 3
Available for all projects	SDS 2	SDS 4

They differ in the variables which are included and the target group of researchers using the data. The first two versions – SDS 1 and SDS 2 – are intended for Bundesbank employees and researchers under an "agreement concerning access to microdata as part of a research project at the Deutsche Bundesbank in cooperation with a researcher's scientific institution and with the aim to produce output relevant for Deutsche Bundesbank's tasks". The latter two – SDS 3 and SDS 4 – are intended for external researchers who want to undertake their own research project regardless of whether their findings are useful for Deutsche Bundesbank's tasks.

SDS2 and SDS4 can be provided for any research project. Moreover, SDS 1 and SDS 3 may only be provided for projects which use solely the CSDB data or merge the CSDB data only with data that does not add additional information about security issuers from these other data sources. However, additional information on the securities held may well be added to the data of SDS 1 and SDS 3, as adding of such information may enrich the data used for an analysis but the re-identification risks with regard to security issuers is not increased.

Table 4: Detailed overview of standard datasets							
Variable_code	Notes SDS1 SDS2 SDS3 SDS4						
General attributes							
EXTRACTION_DT	Р	х	х	х	Х		
DT_LAST_MODIFIED	Р	Х	Х	Х	Х		
Instrument identification							
ISIN	Р	х	х	х	х		
NAT_INS_CODE		х	х				
NAT_INS_CODE_TYPE		х	х				
INT_INS_CODE		х	х				
Instrument attributes							
SEC_STATUS		Х	х				

	2
	-≺
2	2

Variable_code	Notes	SDS1	SDS2	SDS3	SDS4
SEC_STATUS_DT		х	Х		
SHORT_NAME		Х			
QUOTATION_BASIS		Х	Х		
NOMINAL_CURRENCY		Х	Х		
AMOUNT_ISSUED		Х	х		
AMOUNT_OUTSTANDING		Х	Х		
AMOUNT_OUTST_EUR		Х	Х		
NUMBER_OUTST		Х	Х		
NOMINAL_VALUE		Х	х		
MARKET_CAPITAL		Х	х		
MARKET_CAP_EUR		Х	х		
POOL_FACTOR		Х	Х		
ISSUE_PRICE		Х	Х		
ISSUE_DT		Х	х		
MATURITY_DT		Х	х		
ORIGINAL_MATURITY		Х	х		
residual_maturity		Х	Х		
res_maturity		Х	х		
ISSUER_PRICE_TRANCHE		Х	х		
ISSUER_DT_TRANCHE		Х	х		
ESA_INS_2010		Х	х		
ESA_INS_2010_VT		Х	Х		
ESA_INS_1995		Х	х		
ESA_INS_1995_VT		х	х		
PAC2		Х	х		
DEBT_TYPE		Х	х		
INS_SENIOR_TYPE		Х	х		
ASSET_SECURIS_TYPE		Х	Х		
INS_SUPPL_CLASS		Х	х		
CFI		Х	х		
CFIN		Х	х		
IN_SEC		Х	Х		
IN_EADB		х	х		
PRIV_PLACE		Х	x		
PORTFOLIO_FLAG		Х	х		
 CENTRAL_SEC_DEP		х	Х		
HAS_EMB_OPT		х	Х		
PRIM_LIST_NAME		х	х		
		х	Х		
PRIM_LIST_COUNTRY STRIP		X X	x x		

REG_S x x   REG_S x x   Issuer identification ENTTY_RIAD_CD P,I x x   RIAD_OUID P,I x x x   RIAD_COUID P,I x x x   LEI P,I x x x   ISS_ORG_TYPE P,I x x x   ISS_ORG_CODE P,I x x x   BIC P,I x x x   INT_ORG_CODE P,I x x x   ISS_ID P,I x x x   ISS_COMP_ID P,I x x x   ISSUER_COUNTRY P x x x   ISSUER_COUNTRY_VT P x x x   ISSUER_COUNTRY_VT P x x x   ISSUER_1995 P x x x   ISSUER_2010_VT P x x x   ISSUER_2010_VT P x x x   I	Variable_code	Notes	SDS1	SDS2	SDS3	SDS4
WARRANT x x   Issuer identification   ENTTY_RIAD_CD P,I x x   RIAD_OUID P,I x x   Iss_ORG_TYPE P,I x x   ISS_ORG_CODE P,I x x   BEI P,I x x   ISS_ID_TYPE PI x x   ISS_ID_TYPE PI x x   ISS_COMP_ID P,I X x   ISSUER_COUNTRY P X X X   ISSUER_COUNTRY_VT P X X X   ISSUER_COUNTRY_VT P X X X   ISSUER_2010_VT P X X X   ISSUER_1995_VT P X X X   RACE P </td <td>RULE_144A</td> <td></td> <td>х</td> <td>Х</td> <td></td> <td></td>	RULE_144A		х	Х		
WARRANT x x   Issuer identification   ENTTY_RIAD_CD P,I x x   RIAD_OUID P,I x x   Iss_ORG_TYPE P,I x x   ISS_ORG_CODE P,I x x   BEI P,I x x   ISS_ID_TYPE PI x x   ISS_ID_TYPE PI x x   ISS_COMP_ID P,I X x   ISSUER_COUNTRY P X X X   ISSUER_COUNTRY_VT P X X X   ISSUER_COUNTRY_VT P X X X   ISSUER_2010_VT P X X X   ISSUER_1995_VT P X X X   RACE P </td <td>REG S</td> <td></td> <td>х</td> <td>х</td> <td></td> <td></td>	REG S		х	х		
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ISSUER_NAME P,I x x ISSUER_COUNTRY P x x x x ISSUER_COUNTRY_VT P x x x x ESA_ISSUER_2010 P x x x x ESA_ISSUER_2010_VT P x x x x ESA_ISSUER_1995 P x x x x ESA_ISSUER_1995 P x x x x ESA_ISSUER_1995_VT P x x x x GROUP_TYPE x x x x ACE P x x x x COUPON_CURRENCY x x COUPON_CURRENCY x x COUPON_FREQUENCY x x COUPON_RATE X X COUPON_RATE_SPREAD X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_CAP X X COUPON_RATE_LOOR X X COUPON_RATE_INDER_ISIN X X COUPON_DT X X X	Issuer attributes					
ISSUER_COUNTRY P X X X X ISSUER_COUNTRY_VT P X X X X ESA_ISSUER_2010 P X X X X ESA_ISSUER_2010_VT P X X X X ESA_ISSUER_1995 P X X X X ESA_ISSUER_1995_VT P X X X X GROUP_TYPE X X X X NACE P X X X X COUPON_TYPE X X X COUPON_CURRENCY X X COUPON_FREQUENCY X X COUPON_RATE X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_CAP X X COUPON_RATE_LOOR X X COUPON_RATE_INDER_ISIN X X COUPON_RATE_UNDER_ISIN X X		P,I	х		х	
ESA_ISSUER_2010 P X X X X X ESA_ISSUER_2010_VT P X X X X X ESA_ISSUER_1995 P X X X X X ESA_ISSUER_1995_VT P X X X X X GROUP_TYPE X X X X X NACE P X X X X X COUPON_TYPE X X X X COUPON_CURRENCY X X COUPON_FREQUENCY X X COUPON_RATE X X COUPON_RATE MULTIPLIER X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_LOOR X X COUPON_RATE_FLOOR X X COUPON_RATE_UNDER_ISIN X X	ISSUER_COUNTRY			Х		х
ESA_ISSUER_2010 P X X X X X ESA_ISSUER_2010_VT P X X X X X ESA_ISSUER_1995 P X X X X X ESA_ISSUER_1995_VT P X X X X X GROUP_TYPE X X X X X NACE P X X X X X COUPON_TYPE X X X X COUPON_CURRENCY X X COUPON_FREQUENCY X X COUPON_RATE X X COUPON_RATE MULTIPLIER X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_MULTIPLIER X X COUPON_RATE_LOOR X X COUPON_RATE_FLOOR X X COUPON_RATE_UNDER_ISIN X X	ISSUER COUNTRY VT	P	Y	Y	x	x
ESA_ISSUER_2010_VT P X X X X X ESA_ISSUER_1995 P X X X X ESA_ISSUER_1995_VT P X X X X GROUP_TYPE X X X X X NACE P X X X X X COUPON_TYPE X X X X COUPON_CURRENCY X X COUPON_FREQUENCY X X COUPON_RATE X X COUPON_RATE X X COUPON_RATE_SPREAD X X COUPON_RATE_SPREAD X X COUPON_RATE_CAP X X COUPON_RATE_CAP X X COUPON_RATE_LOOR X X COUPON_RATE_UNDER_ISIN X X COUPON_RATE_UNDER_ISIN X X						
ESA_ISSUER_1995PxxxxxESA_ISSUER_1995_VTPxxxxxGROUP_TYPExxxxxxNACEPxxxxxCoupon attributesxxxxxxCOUPON_TYPExxxxxxCOUPON_CURRENCYxxxxxxCOUPON_FREQUENCYxxxxxxCOUPON_RATExxxxxxCOUPON_RATE_SPREADxxxxxxCOUPON_RATE_CAPxxxxxxCOUPON_RATE_FLOORxxxxxxCOUPON_DTxxxxxx						
GROUP_TYPExxxxxxNACEPxxxxxCoupon attributesxxxxxCOUPON_TYPExxxxxCOUPON_CURRENCYxxxxxCOUPON_FREQUENCYxxxxxCOUPON_RATExxxxxCOUPON_RATE_SPREADxxxxxCOUPON_RATE_MULTIPLIERxxxxCOUPON_RATE_FLOORxxxxCOUPON_RATE_UNDER_ISINxxxCOUPON_DTxxxx	ESA_ISSUER_1995	Р		х		
NACEPxxxxCoupon attributesCOUPON_TYPExxxCOUPON_CURRENCYxxxCOUPON_FREQUENCYxxxCOUPON_RATExxxCOUPON_RATE_SPREADxxxCOUPON_RATE_MULTIPLIERxxxCOUPON_RATE_FLOORxxxCOUPON_RATE_UNDER_ISINxxxCOUPON_DTxxx	ESA_ISSUER_1995_VT	Р	Х	Х	Х	х
NACEPxxxxCoupon attributesCOUPON_TYPExxxCOUPON_CURRENCYxxxCOUPON_FREQUENCYxxxCOUPON_RATExxxCOUPON_RATE_SPREADxxxCOUPON_RATE_MULTIPLIERxxxCOUPON_RATE_FLOORxxxCOUPON_RATE_UNDER_ISINxxxCOUPON_DTxxx	GROUP TYPE		х	х	х	х
COUPON_TYPExxCOUPON_CURRENCYxxCOUPON_FREQUENCYxxCOUPON_RATExxCOUPON_RATE_SPREADxxCOUPON_RATE_MULTIPLIERxxCOUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	NACE	Р				
COUPON_TYPExxCOUPON_CURRENCYxxCOUPON_FREQUENCYxxCOUPON_RATExxCOUPON_RATE_SPREADxxCOUPON_RATE_MULTIPLIERxxCOUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx						
COUPON_CURRENCYXXCOUPON_FREQUENCYXXCOUPON_RATEXXCOUPON_RATE_SPREADXXCOUPON_RATE_MULTIPLIERXXCOUPON_RATE_CAPXXCOUPON_RATE_FLOORXXCOUPON_RATE_UNDER_ISINXXCOUPON_DTXX	Coupon attributes					
COUPON_FREQUENCYxxCOUPON_RATExxCOUPON_RATE_SPREADxxCOUPON_RATE_MULTIPLIERxxCOUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_TYPE		Х	Х		
COUPON_FREQUENCYxxCOUPON_RATExxCOUPON_RATE_SPREADxxCOUPON_RATE_MULTIPLIERxxCOUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_CURRENCY		х	Х		
COUPON_RATE_SPREADxxCOUPON_RATE_MULTIPLIERxxCOUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_FREQUENCY		х			
COUPON_RATE_MULTIPLIERxxCOUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_RATE		х	Х		
COUPON_RATE_CAPxxCOUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_RATE_SPREAD		Х	Х		
COUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_RATE_MULTIPLIER		Х	Х		
COUPON_RATE_FLOORxxCOUPON_RATE_UNDER_ISINxxCOUPON_DTxx	COUPON_RATE_CAP		х	Х		
COUPON_DT x x	COUPON_RATE_FLOOR		х	Х		
	COUPON_RATE_UNDER_ISIN		Х	Х		
FIRST_SCD_COUPON_DT x x	COUPON_DT		Х	Х		
	FIRST_SCD_COUPON_DT		Х	Х		

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Variable_code	Notes	SDS1	SDS2	SDS3	SDS4
LAST_SCD_COUPON_DT		х	х		
Redemption attributes					
REDEMP_TYPE		х	х		
_ REDEMP_FREQUENCY		х	х		
REDEMP_CURRENCY		х	х		
REDEMP_PRICE		Х	Х		
Price attributes					
PRICE_DT		х	Х		
PRICE		х	Х		
PRICE_VT		Х	Х		
AVERAGE_PRICE		Х	Х		
VOLUME_TRADED		Х	Х		
Yield attributes					
YIELD		Х	Х		
BOND_DURATION		x	x		
Income attributes					
ACC_START_DT		х	Х		
ACC_INC_FAC		Х	Х		
ACC_INC_FAC_VT		х	Х		
ACC_INC_CREDITOR		х	х		
ACC_INC_CREDIT_VT		Х	Х		
ACC_INTEREST		Х	Х		
ACC_COUPON		Х	х		
ACC_DISCOUNT		Х	Х		
Dividend attributes					
DIV_AMOUNT		х	Х		
DIV_TYPE		Х	Х		
DIV_CURRENCY		Х	Х		
DIV_DT		Х	Х		
DIV_FREQ		Х	Х		
DIV_INCOME_EUR		Х	Х		
EX_CUM		х	х		
Fund attributes					
FUND_TYPE		Х	Х		
FUND_GEOMARKT		х	Х		

Variable_code	Notes	SDS1	SDS2	SDS3	SDS4
FUND_ASSET_STRCTYP	Р	Х	х		
Derived income attributes					
DERIVED_INCOME		Х	Х		
DERIVED_INCOME_DT		Х	Х		
DERIVED_INCOME_CURRENCY		х	х		
DERIVED_INCOME_FREQ		х	х		
DERIVED_INCOME_EUR		х	х		
ESG1		Х	Х		
ESG2		Х	Х		
ESG3		Х	х		
CSEC_STOCK		х	х		
CSEC_GROSS_ISSUANCE		х	х		
CSEC_REDEMP		Х	Х		
Event attributes					
SPLIT_FAC		Х	х		
SPLIT_DT		Х	Х		

Table 4: Detailed overview of standard datasets (continued)

Note: The letters in column "Notes" indicate whether the respective variable is public (P), an identifier (I) or both (P, I).

# C List of international organisations

Until EXTRACTION\_DT 2014-12-31, international organisations were summarised as code A1 in country codelists. This code comprises the following international organisations.

- Andean Development Corporation (ADC)
- African Development Bank (AfDB)
- African Export-Import Bank (AFREXIMBANK)
- African Development Fund
- All the European Union Institutions not financed via the EU budget
- Arab Monetary Fund (AMF)
- Asian Development Bank (AsDB)
- Asian Development Fund
- Banque arabe pour le développement économique en Afrique (BADEA)
- Banque Centrale des Etats de l'Afrique de l'Ouest (BCEAO)
- Banque des Etats de l'Afrique Centrale (BEAC)
- Bank for International Settlements (BIS)
- Black Sea Trade and Development Banks
- Banco Latino Americano De Comercio Exterior (BLADEX)
- Central American Bank for Economic Integration (CABEI)
- Central African States Development Bank (CASDB)
- Caribbean Development Bank (CDB)
- Council of Europe Development Bank (CEB)
- European Organisation for Nuclear Research (CERN)
- Committee of Regions
- Communaute economique et Monetaire de l'Afrique Centrale (CEMAC)
- Council of Europe
- Council of Europe Development Bank (CEB)
- Council of the European Union
- Court of Auditors
- Court of Justice
- Eastern Caribbean Currency Union (ECCU)
- European Bank for Reconstruction and Development (EBRD)
- European Broadcasting Union/Union européenne de radio-télévision (EBU/UER)
- European Central Bank (ECB)
- Eastern Caribbean Central Bank (ECCB)
- European Centre for Medium-Range Weather Forecasts (ECMWF)
- Economic and Social Committee
- Eurasian Development Bank (EDB)
- European Development Fund (EDF)
- European Investment Bank (EIB)
- European Investment Fund (EIF)
- European Molecular Biology Laboratory (EMBL)
- European Monetary System (EMS)
- European Patent Office (EPO)
- European Space Agency (ESA)
- European Stability Mechanism (ESM)

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- European Southern Observatory (ESO)
- EU-Africa Infrastructure Trust Fund
- European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)
- Eurasian Development Bank (EDB)
- European Atomic Energy Community (EURATOM)
- European Organisation for the Safety of Air Navigation (EUROCONTROL)
- European Company for the Financing of Railroad Rolling Stock (EUROFIMA)
- European Coal and Steel Community
- European Commission
- European Community Institutions, Organs and Organisms
- European Council
- European Financial Stability Facility
- European Parliament
- European Telecommunications Satellite Organisation (EUTELSAT)
- Food and Agriculture Organisation (FAO)
- Facility for Euro-Mediterranean Investment and Partnership (FEMIP)
- Fondo Latino Americano de Reservas (FLAR)
- Fonds Belgo-Congolais d'Amortissement et de Gestion
- Fonds spécial unifié de développement
- Inter-American Development Bank (IADB)
- International Atomic Energy Agency (IAEA)
- International Bank for Economic Co-operation (IBEC)
- International Bank for Reconstruction and Development (IBRD)
- International Committee of the Red Cross (ICRC)
- International Centre for Settlement of Investment Disputes (ICSID)
- International Development Association (IDA)
- Islamic Development Bank (IDB)
- International Fund for Agricultural Development (IFAD)
- International Finance Corporation (IFC)
- International finance Facility for Immunisation (IFFIm)
- International Investment Bank (IIB)
- Inter-American Investment Corporation (IIC)
- International Labour Organisation (ILO)
- International Monetary Fund (IMF)
- International Telecommunications Satellite Organisation (INTELSAT)
- International Organisations excluding Eur.Community Institutions
- International Union of Credit and Investment Insurers
- International Organisation for Migration (IOM)
- Islamic Development Bank (IDB)
- International Telecommunication Union (ITU)
- Multilateral Investment Guarantee Agency (MIGA)
- North Atlantic Treaty Organisation (NATO)
- Neighbourhood Investment Facility
- Nordic Investment Bank (NIB)
- Organisation for Economic Co-operation and Development (OECD)
- Organisation for Economic Cooperation and Development
- Other EC Institutions, Organs and Organisms covered by General budget

- Other European Community Institutions, Organs and Organisms
- Other International Organisations (financial institutions)
- Other International Organisations (non-financial institutions)
- Paris Club Creditor Institutions
- Rest of UN Organisations n.i.e.
- Single Resolution Board (SRB)
- UN organisations
- United Nations Educational, Scientific and Cultural Organisation (UNESCO)
- United Nations High Commissioner for Refugees (UNHCR)
- United Nations Children Fund (UNICEF)
- United Nations Relief and Works Agency for Palestine (UNRWA)
- West African Economic and Monetary Union (WAEMU)
- World Health Organisation (WHO)
- World Bank Group
- World Trade Organisation (WTO)