

# SPRING WORKSHOP SERIES

**GERMANY – 27 APRIL 2022**



# ON TODAY'S CALL



**DR. CHRISTIAN THUN**  
EUROPEAN DATAWAREHOUSE

✉ [christian.thun@eurodw.eu](mailto:christian.thun@eurodw.eu)



**MARKUS SCHABER**  
EUROPEAN DATAWAREHOUSE LTD.

✉ [m.schaber@eurodw.co.uk](mailto:m.schaber@eurodw.co.uk)



**GISELA HERKNER**  
EUROPEAN DATAWAREHOUSE

✉ [gisela.herkner@eurodw.eu](mailto:gisela.herkner@eurodw.eu)



**MICHAEL OSSWALD**  
STS VERIFICATION  
INTERNATIONAL (SVI)

✉ [michael.osswald@svi-gmbh.com](mailto:michael.osswald@svi-gmbh.com)



**MARTIN KUHN**  
EUROPEAN DATAWAREHOUSE

✉ [martin.kuhn@eurodw.eu](mailto:martin.kuhn@eurodw.eu)

# AGENDA

## WELCOME AND INTRODUCTION

- Dr Christian Thun, EDW

## GENERAL REGULATORY UPDATE

- Dr Christian Thun, EDW

## OVERVIEW OF DATA QUALITY IN ESMA TEMPLATES & UPDATE ON EDW'S REPORTING PLATFORM

- Gisela Herkner, EDW

## UPDATE ON EDW DATA SOLUTIONS AND CAPABILITIES

- Martin Kuhn, EDW

## CASH FLOW MODELLING OF ABS TRANSACTIONS

- Markus Schaber, EDW Ltd

## LATEST DEVELOPMENTS ON STS VERIFICATIONS

- Michael Osswald, SVI

## Q&A, CLOSING REMARKS

# WELCOME AND INTRODUCTION

**DR. CHRISTIAN THUN, EUROPEAN DATAWAREHOUSE**

# REGULATORY UPDATE

DR. CHRISTIAN THUN, EUROPEAN DATAWAREHOUSE

# STS NOTIFICATION



European Securities and  
Markets Authority

ESMA REGULAR USE

Securitisation Regulation - Article 27

**Register of STS notifications (STSRE)**

**Simplified user guide**



Source: [ESMA website](#)

# NEW SECURITISATION NOTIFICATION TEMPLATE FROM 1 APRIL 2022

Reporting frequency: Please provide the information as per the date of **origination\***. No regular reporting or updates on changes are requested, except for any significant event following Article 7 (1) g) of SECR, affecting or likely to affect the features of transactions, particularly in relation to compliance with Articles 6 to 8 SECR. If so, please notify the ECB via CASPER, submitting also the updated template reflecting the significant events.

Required data points: Depending on the type and specificities of the transaction, not all data fields are required to be reported. For example, in case of a self-retained securitisation, there is no need to report further data points in the risk retention section. Upon selecting “Yes” for *Fully self-retained transaction*, the remainder of the Risk Retention section will be formatted in grey to indicate that the other cells do not need to be filled.

Multi-seller pools: In relation to shared pools/multi-seller pools, each originator should notify the pro-rata participation in the pool and all the required data fields. In case of transactions with original lender and potentially several interim originators and one final originator (i.e. exposures sold subsequently from one originator to the other), notification is expected from the final originator who securitises the exposures.

Upload of attachments: Please note that one file can be uploaded as an attachment in CASPER up to the maximum size permitted (currently 10MB). Thus, please either provide the written confirmation that the securitisation complies with Art. 6-8 and the assessment of its internal policies, processes and procedures in one document or include all documents in one zip file.

Update of the template: The notification template and these instructions may be subject to change from time to time as required. Please make sure to use the latest version of the template as available in CASPER when submitting a notification in CASPER.

\* The date on which the exposures were first securitised, which may be one of the following: the date of the first issuance of securities (traditional securitisations), the date of the credit protection agreement (synthetic securitisations), or the date on which the initial securitisation positions were created (ABCP transactions) or on which the asset-backed commercial paper was first issued (ABCP programmes). This is in line with Article 43(9) SECR.

Source: ECB website

|  |
|--|
| Reporting entity                                       |
| Banking group of reporting entity                      |
| Identifier of the securitisation                       |
| Unique identifier                                      |
| Identifier assigned by Securitisation Repository       |
| Type of transaction                                    |
| Resecuritisation                                       |
| Legitimate purpose for resecuritisations               |
| Date of origination                                    |
| Reference date of information                          |
| Status of STS  |
| Status of SRT  |
| Revolving exposures                                    |
| Revolving securitisation                               |
| Unique identifier of corresponding ABCP Programme      |
| Information on the credit enhancement (ABCP)           |
| Liquidity line provided by the sponsor (Total in EUR)  |
| Credit facility provided by the sponsor (Total in EUR) |
| Other support provided by the sponsor (Total in EUR)   |
| Type of other support provided by the sponsor          |
| Classification of the underlying exposures (ABCP)      |
| Total number of transactions                           |
| NPE securitisation                                     |
| Portfolio in the ramp-up phase                         |
| Final legal maturity                                   |
| Nominal amount of the underlying securitised exposures |
| Total in EUR   |
| Breakdown by currency:                                 |
| Most relevant currency                                 |
| 2nd most relevant currency                             |
| 3rd most relevant currency                             |

# GUIDE ON THE NOTIFICATION OF SECURITISATION TRANSACTIONS

## Timeliness of the notification

It is recommended that new transactions be notified to the ECB **no later than one month from the date of origination**.<sup>10</sup>

The ECB foresees a phase-in implementation until [1 October 2022] for those SIs unable to properly notify the ECB from [1 April 2022]. During the phase-in period, SIs are expected to finalise set-ups and systems to be able to submit notifications in line with the expectations of the Guide.



**6-month 'phase-in' period  
1 April – 1 October 2022**

## Information to be provided at origination

Originators or sponsors are expected to provide the ECB with the information relating to each new transaction at origination as listed in the Annex, which is divided into the following four sections:

- Section A (key transaction information);
- Section B (information on securitised exposures);
- Section C (information on securitisation positions);
- Section D (compliance with Articles 6 to 8 SECR).

## Information to be provided during the life of the transaction

The requirements of Articles 6 to 8 SECR have to be fulfilled on a continuous basis. Originators or sponsors are recommended to notify the ECB without undue delay of any significant event affecting or likely to affect the features of transactions during the life of the transaction, particularly in relation to compliance with Articles 6 to 8 SECR.



# ENERGY EFFICIENCY DATA AVAILABILITY

DR. CHRISTIAN THUN, EUROPEAN DATAWAREHOUSE

# ENERGY PERFORMANCE CERTIFICATES REQUIRED UNDER ESMA REGIME

ESMA Templates for loan-level data contain relevant fields for Energy Performance if available

## Fields RREC10 and RREC11 for underlying loans in RMBS:

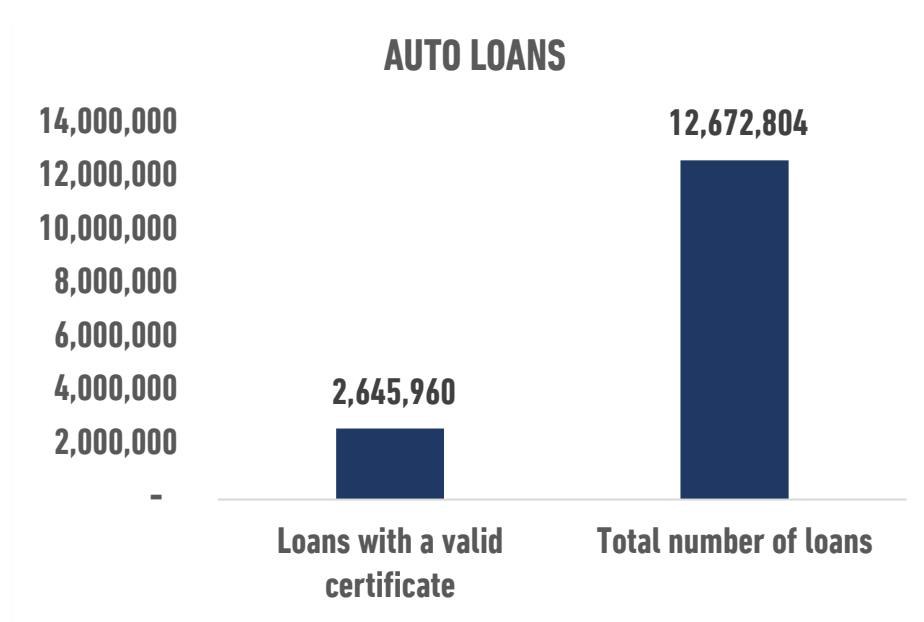
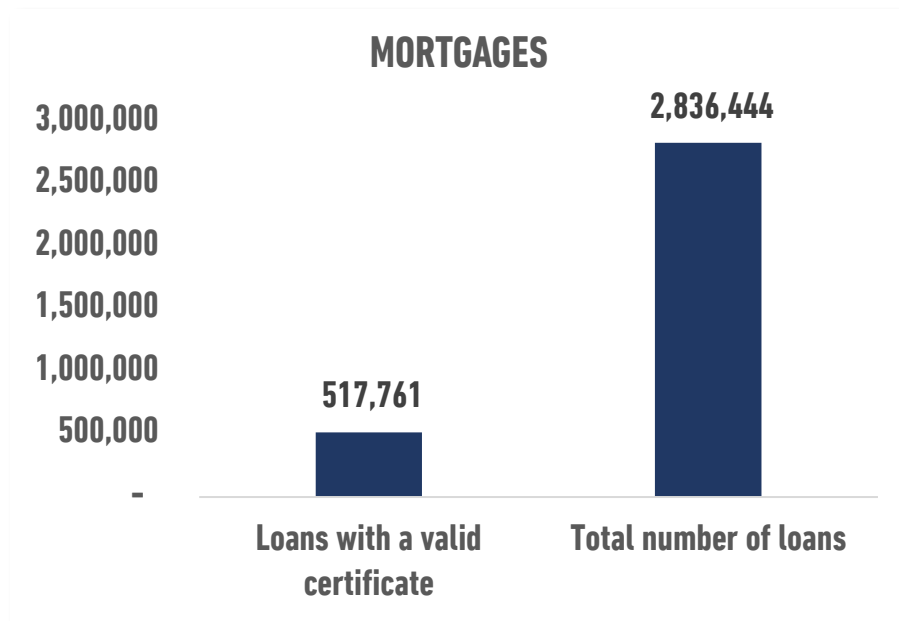
|        |  |  |
|--------|--|--|
| RREC10 | Energy Performance Certificate Value         | <p>The energy performance certificate value of the collateral at the time of origination:</p> <ul style="list-style-type: none"> <li>A (EPCA)</li> <li>B (EPCB)</li> <li>C (EPCC)</li> <li>D (EPCD)</li> <li>E (EPCE)</li> <li>F (EPCF)</li> <li>G (EPCG)</li> <li>Other (OTHR)</li> </ul> |
| RREC11 | Energy Performance Certificate Provider Name | <p>Enter the full legal name of the energy performance certificate provider. The name entered must match the name associated with the LEI in the Global Legal Entity Foundation (GLEIF) database.</p>  |

## Fields AUTL57 and AUTL58 for underlying loans in AUTO ABS:

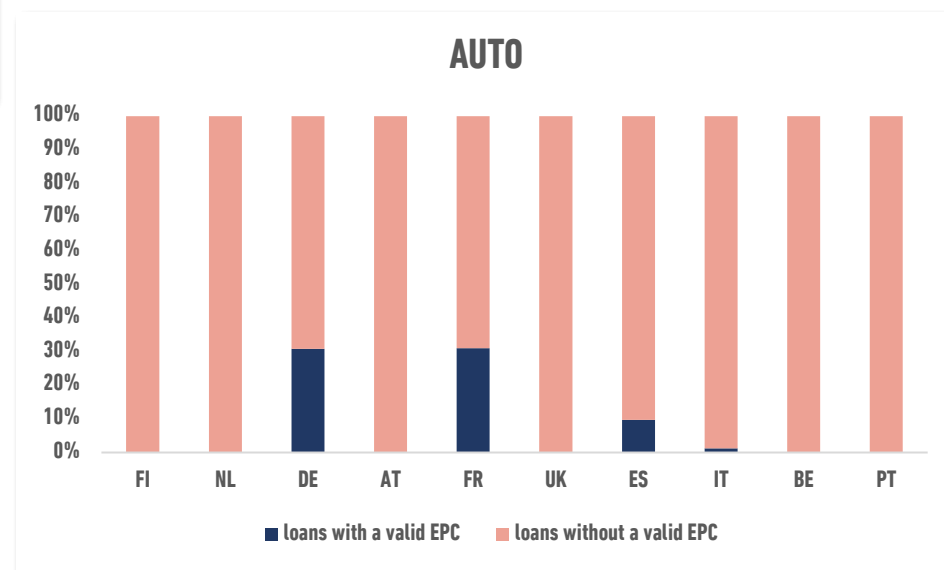
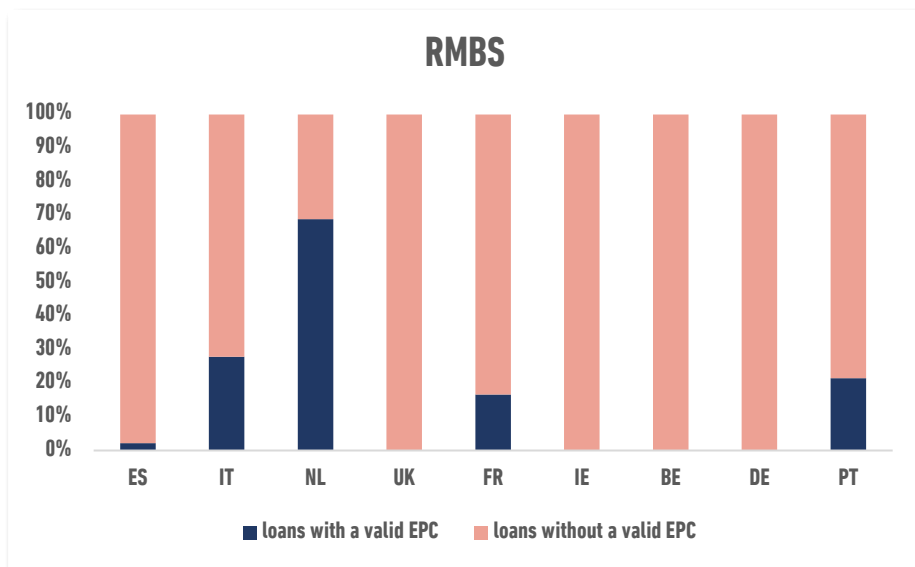
|        |  |  |
|--------|--|--|
| AUTL57 | Energy Performance Certificate Value         | <p>The energy performance certificate value of the collateral at the time of origination:</p> <ul style="list-style-type: none"> <li>A (EPCA)</li> <li>B (EPCB)</li> <li>C (EPCC)</li> <li>D (EPCD)</li> <li>E (EPCE)</li> <li>F (EPCF)</li> <li>G (EPCG)</li> <li>Other (OTHR)</li> </ul> |
| AUTL58 | Energy Performance Certificate Provider Name | <p>Enter the full legal name of the energy performance certificate provider. The name entered must match the name associated with the LEI in the Global Legal Entity Foundation (GLEIF) database.</p>  |

# ENERGY PERFORMANCE CERTIFICATES – HOW MUCH DATA IS AVAILABLE?

Still early days and most originators are finding it challenging to provide this data



# ENERGY PERFORMANCE CERTIFICATES



# ESMA REPORTING AND DATA QUALITY UPDATE

**GISELA HERKNER, EUROPEAN DATAWAREHOUSE**

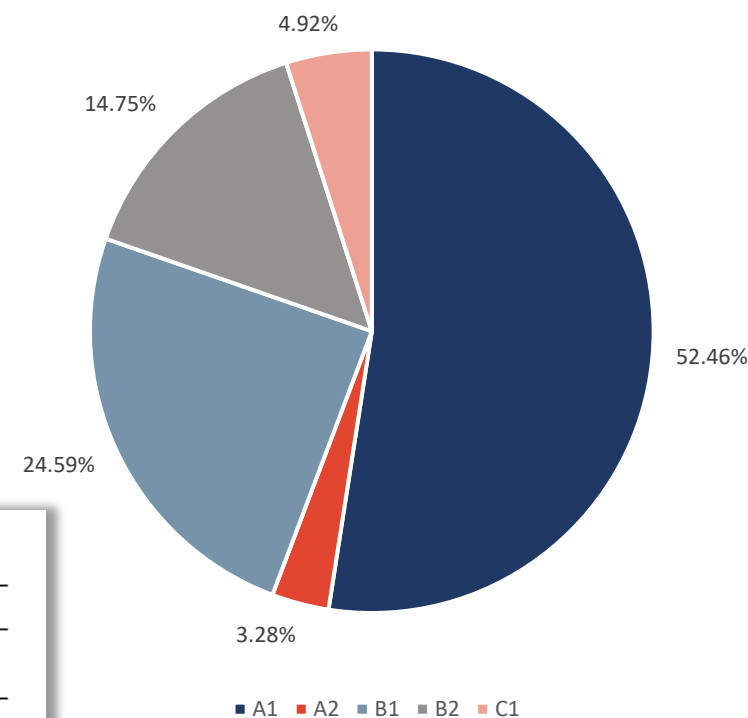
# ESMA COMPLETENESS SCORE

The majority of the German transactions have an ESMA score of A1

Although the ESMA completeness score is not a criteria for ECB eligibility (as per the Guideline (EU) 2020/1690 of the ECB of 25 September 2020, amending the Guideline (EU) 2015/510, Annex VIII (II.2)), the majority of the German transactions have an ESMA score of A1. The lowest score of a German transaction is C1.

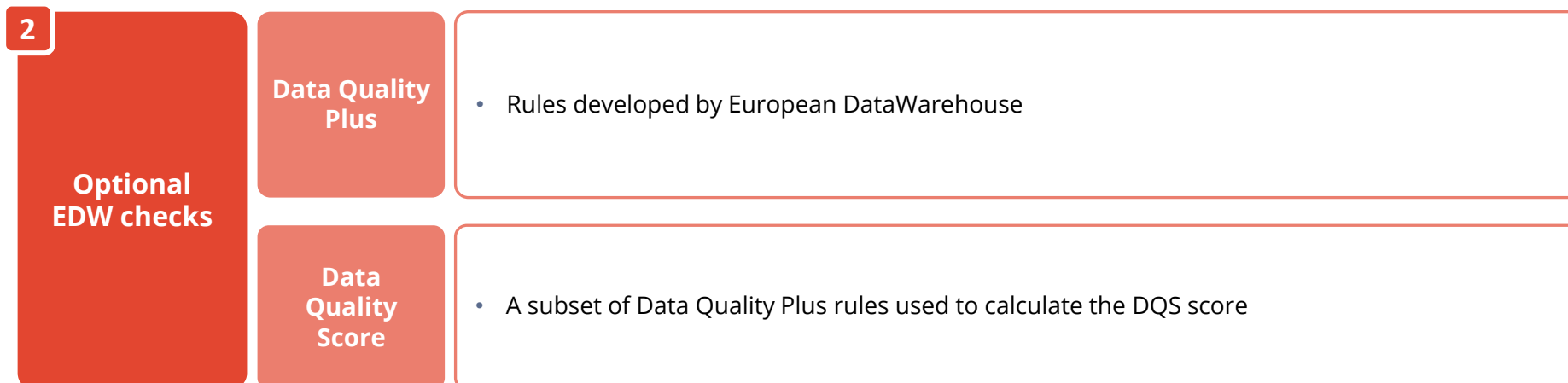
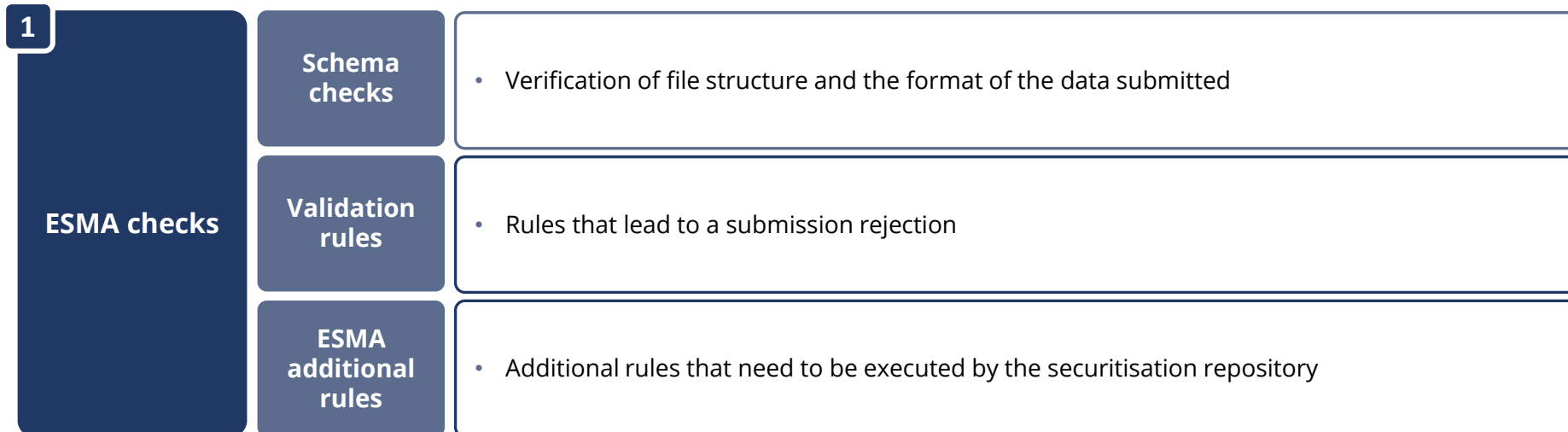
|  |                       | Input 1: Percentage of fields entered as 'ND1' |                      |                       |                |
|--|-----------------------|--|----------------------|-----------------------|----------------|
|  |                       | Input 1 = 0 %                                  | 0 % < Input 1 ≤ 10 % | 10 % < Input 1 ≤ 30 % | Input 1 > 30 % |
| Input 2: Percentage of fields entered as 'ND2', 'ND3', or 'ND4-YYYY-MM-DD' | Input 2 = 0 %         | A1   | B1                   | C1                    | D1             |
|  | 0 % < Input 2 ≤ 20 %  | A2   | B2                   | C2                    | D2             |
|  | 20 % < Input 2 ≤ 40 % | A3   | B3                   | C3                    | D3             |
|  | Input 2 > 40 %        | A4   | B4                   | C4                    | D4             |

Source: ESMA



Source: EDW calculations

# OVERVIEW OF EDW'S DATA QUALITY IMPROVEMENT PROCESSES



# IDENTIFYING THE ADDITIONAL CHECKS DEVELOPED BY EDW

EDITOR's 'Download feedback' function allows issuers to view the failing checkIDs for the submitted ESMA templates

| RuleId          | RuleDesc   | TemplateType | Status      | Records |
|-----------------|--|--------------|-------------|---------|
| RREL63/UD/A/01  | Prepayment Date (RREL63) later than Data Cut-Off Date (RREL6).   | RMB          | <b>RJCT</b> | 5       |
| RREL4/IS/A/01   | [WARN] Original Obligor Identifier (RREL4) reports a different value than in the previous submission.  | RMB          | <b>WARN</b> | 6       |
| RREL37/IS/A/01  | [WARN] Scheduled Principal Payment Frequency (RREL37) reports a different value than in the previous submission.   | RMB          | <b>WARN</b> | 1       |
| RREL48/CZ/A/01  | [DQS] Interest Rate Cap (RREL48) equal to zero; for active loans.  | RMB          | <b>WARN</b> | 5467    |
| RREL49/IIC/A/01 | [Data Quality Plus] Interest Rate Floor (RREL49) higher than Current Interest Rate (RREL43).   | RMB          | <b>WARN</b> | 3320    |
| RREL68/UHV/A/01 | [Data Quality Plus] Number Of Days In Arrears (RREL68) greater than 180 when Account Status is not 'Defaulted' or 'Other' (RREL69 not in ('DFLT';'NDFT';'DTCR';'DADB';'OTHR')).  | RMB          | <b>WARN</b> | 12      |
| RREL69/OTH/A/01 | [Data Quality Plus] Account Status equal to 'Other' (RREL69 = 'OTHR').   | RMB          | <b>WARN</b> | 22      |
| RREL73/ND5/A/01 | [DQS] Allocated Losses (RREL73) reports ND5 when Sale Price (RREC21) or Date Of Sale (RREC20) are populated; for active loans.   | RMB          | <b>WARN</b> | 6150    |
| RREL8/IIC/A/01  | [Data Quality Plus] Date Of Repurchase (RREL8) is populated when Account Status is not 'Repurchased' or 'OTHR' (RREL69 not in ('REBR'; 'REDF'; 'RERE'; 'RESS'; 'REOT'; 'OTHR')). | RMB          | <b>WARN</b> | 7421    |
| RREL8/UD/A/02   | [DQS] Date Of Repurchase (RREL8) earlier than 1980-01.   | RMB          | <b>WARN</b> | 7443    |

- **RJCT** → Validation rules
- **[WARN]** → Additional ESMA rules
- **[DATA QUALITY PLUS]** → Rules developed by EDW to improve the quality of ESMA submissions
- **[DQS]** → A subset of Data Quality Plus rules used to calculate the DQS score

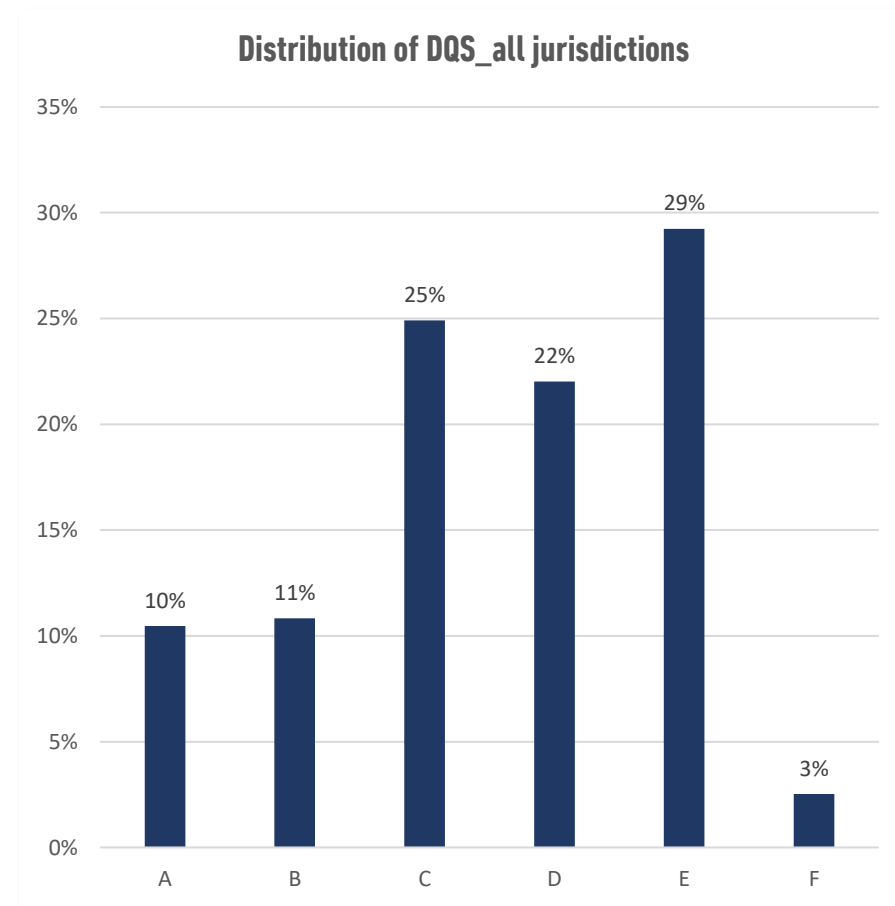


# DQS SCORE DISTRIBUTION FOR ESMA TEMPLATES

## Methodology

- Automated score based on DQS failed rules – subset of all EDW Data Quality Plus rules
- Objective and common approach for all deals, jurisdictions, and asset classes
- Based on the following formula:  $\frac{\sum(F_f)}{n \times MF}$  where:
  - $F_f$  represents a field that failed a rule;
  - $n$  is the total number of loans for each mandatory field;
  - $MF$  represents the number of unique fields per each asset class with at least one DQS check implemented.

| DQS1 Score | Min. Fail Ratio | Max. Fail Ratio | Ratio                    |
|------------|-----------------|-----------------|--------------------------|
| A          | 0.0000%         | 0.0001%         | Up until 1 in a million  |
| B          | 0.0001%         | 0.005%          | Up until 5 in 100k       |
| C          | 0.005%          | 0.1%            | Up until 1 in a thousand |
| D          | 0.1%            | 1%              | Up until 1 in a hundred  |
| E          | 1%              | 4%              | Up until 4 in a hundred  |
| F          | 4%              | 100%            | > 4 in a hundred         |



Note: data based on ESMA template submissions as of 10 March 2022 / Source: EDW calculations

# MAIN DRIVERS FOR ESMA DQS

|           | <b>Field</b>                     |
|-----------|----------------------------------|
| <b>1</b>  | <b>Credit Impaired Obligor</b>   |
| <b>2</b>  | <b>Purchase Price</b>            |
| <b>3</b>  | <b>Current Principal Balance</b> |
| <b>4</b>  | <b>Origination Channel</b>       |
| <b>5</b>  | <b>Date Of Restructuring</b>     |
| <b>6</b>  | <b>Redemption Date</b>           |
| <b>7</b>  | <b>Maturity Date</b>             |
| <b>8</b>  | <b>Original Term</b>             |
| <b>9</b>  | <b>Number Of Days In Arrears</b> |
| <b>10</b> | <b>Original Term</b>             |

# CLARIFICATION ON REPORTING ENTITY ROLE

MARTIN KUHN, EUROPEAN DATAWAREHOUSE

# REPORTING ENTITY


Reporting Entity is derived from Securitisation Identifier

## Create Deal

Ensure all details below are correct before confirming new deal.

|                           |                             |
|---------------------------|-----------------------------|
| Data Owner                | European DataWarehouse GmbH |
| Data Provider             | European DataWarehouse GmbH |
| Reporting Entity LEI      | 529900IUR3CZBV87LI37        |
| Reporting Entity Name     | European DataWarehouse GmbH |
| Securitization Identifier | 529900IUR3CZBV87LI37N202245 |

 Edit Deal

 Cancel

 Confirm

# EDW MONITORING REPORT

MARTIN KUHN, EUROPEAN DATAWAREHOUSE

# COMPLY WITH ARTICLE 5 OF THE SECURITISATION REGULATION

Get key transaction information in a standardised format with EDW Monitoring Report Solution

- Supports institutional investors in carrying out their due diligence assessment to comply with ongoing monitoring requirements under Article 5 of the Securitisation Regulation
- Contains a transaction summary with the most important information for a selected deal, such as principal balance, average LTV ratio, risk retention method, and ISIN-level data
- Allows in-depth insights on the pool of underlying assets, retrieved directly from EDW's database
- Currently available for RMBS and Auto asset classes - others soon to come

3. Prior to holding a securitisation position, an institutional investor, other than the originator, sponsor or original lender, shall carry out a due-diligence assessment which enables it to assess the risks involved. That assessment shall consider at least all of the following:

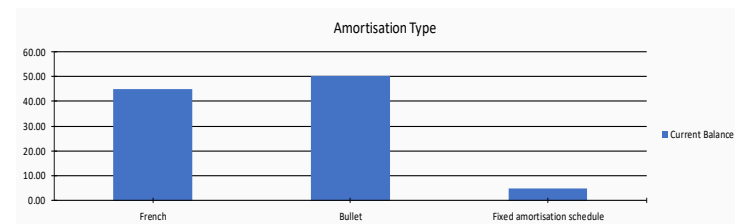
- (a) the risk characteristics of the individual securitisation position and of the underlying exposures;
- (b) all the structural features of the securitisation that can materially impact the performance of the securitisation position, including the contractual priorities of payment and priority of payment-related triggers, credit enhancements, liquidity enhancements, market value triggers, and transaction-specific definitions of default;

# MONITORING REPORT SOLUTION FOR INVESTOR DUE DILIGENCE

Comprehensive overview. Easy to read. Quick to download.

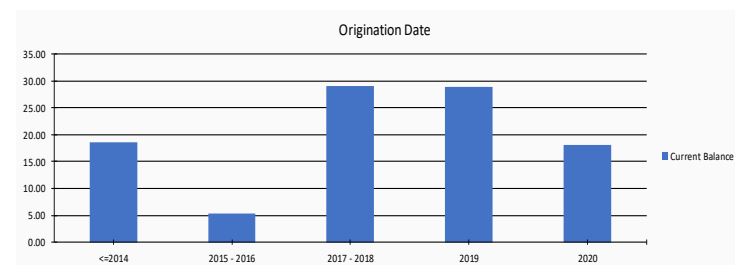
## Amortisation Type

|                             | Current Balance | Current Balance % | Number of Loans |
|-----------------------------|-----------------|-------------------|-----------------|
| French                      | 200,963,505.00  | 44.87             | 2,612           |
| Bullet                      | 225,812,671.00  | 50.42             | 2,541           |
| Fixed amortisation schedule | 21,131,294.00   | 4.72              | 240             |



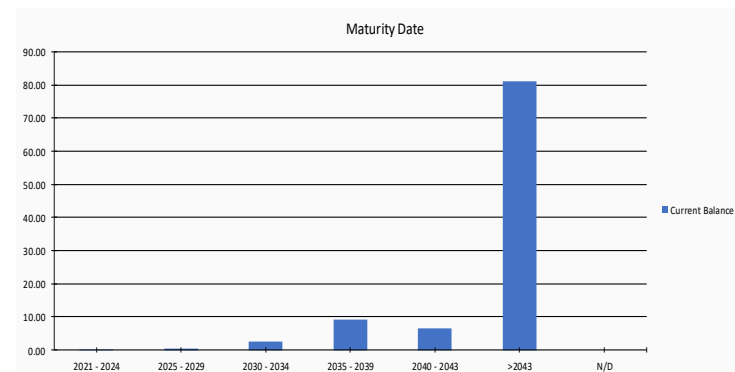
## Origination Date

|             | Current Balance | Current Balance % | Number of Loans |
|-------------|-----------------|-------------------|-----------------|
| <=2014      | 96,450,188.11   | 18.62             | 1,125           |
| 2015 - 2016 | 27,485,982.82   | 5.31              | 328             |
| 2017 - 2018 | 150,714,382.72  | 29.10             | 1,348           |
| 2019        | 149,883,468.21  | 28.94             | 1,341           |
| 2020        | 93,415,313.96   | 18.04             | 832             |



## Maturity Date

|             | Current Balance | Current Balance % | Number of Loans |
|-------------|-----------------|-------------------|-----------------|
| 2021 - 2024 | 64,727.22       | 0.01              | 8               |
| 2025 - 2029 | 2,274,397.25    | 0.45              | 59              |
| 2030 - 2034 | 13,146,238.84   | 2.58              | 194             |
| 2035 - 2039 | 46,352,073.62   | 9.11              | 538             |
| 2040 - 2043 | 33,746,284.18   | 6.63              | 366             |
| >2043       | 413,477,314.83  | 81.22             | 3,649           |
| N/D         | 0               | 0                 | 223             |



# 'MY PORTFOLIO' FEATURE IN EDITOR

MARTIN KUHN, EUROPEAN DATAWAREHOUSE





# ADD AND VISUALISE PREFERRED DEALS

Stay up to date with recent submissions and new document uploads using the MyPortfolio tool in EDITOR

- Via the EDITOR “Home” tab, create a personal portfolio and add specific deals based on the Securitisation ID, ISIN, or EDCode.
- Select the type of notification you want to receive:
  - ✓ New ESMA uploads
  - ✓ New ECB uploads
  - ✓ Documentation Changes
- Select the frequency of the notifications: Daily, Monthly, or Quarterly.

## My Portfolios

 View
 Create

Portfolio Name

Add (Only one of the below Securitisation ID / ISIN / Edcode can be selected in a portfolio)

Securitisation ID
ISIN
Edcode

Subscribe to Email Notifications

New ESMA uploads
 New ECB uploads

Documentation Changes

Frequency

Daily
Monthly
Quarterly

Submit

# CASH FLOW MODELLING

MARKUS SCHABER, EUROPEAN DATAWAREHOUSE LTD

# LATEST DEVELOPMENTS ON STS VERIFICATION

**MICHAEL OSSWALD, SVI**



THE STS VERIFICATION PROCESS  
– THE STRUCTURED PATH TO  
YOUR SUCCESS.

## Latest Developments on STS

Michael Osswald

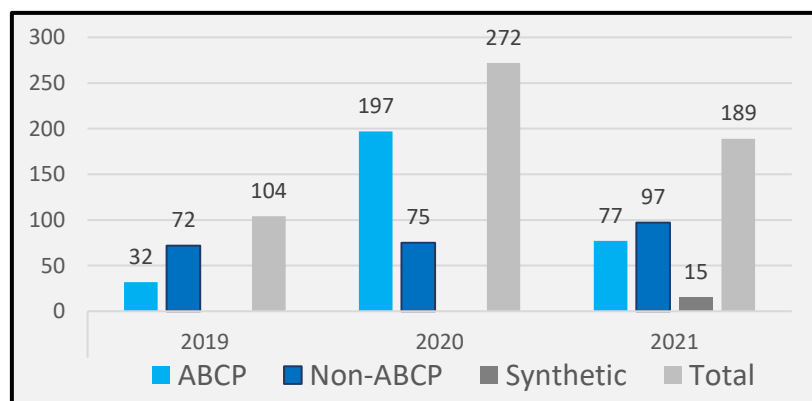
STS Verification International GmbH ("SVI")

European Data Warehouse German Virtual Workshop, 27 April 2022

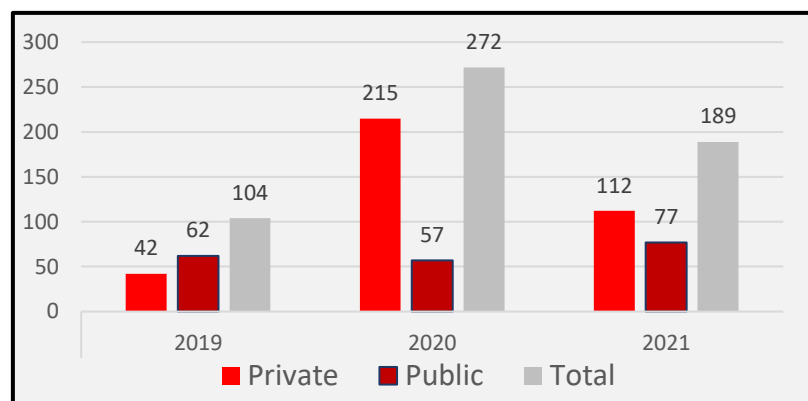


# DEVELOPMENT OF THE MARKET FOR STS TRANSACTIONS (EU-27 COUNTRIES)

**Distribution of all STS-notified Securitisations by Transaction Type\*)**



**Distribution of all STS-notified Securitisations by public vs private\*)**

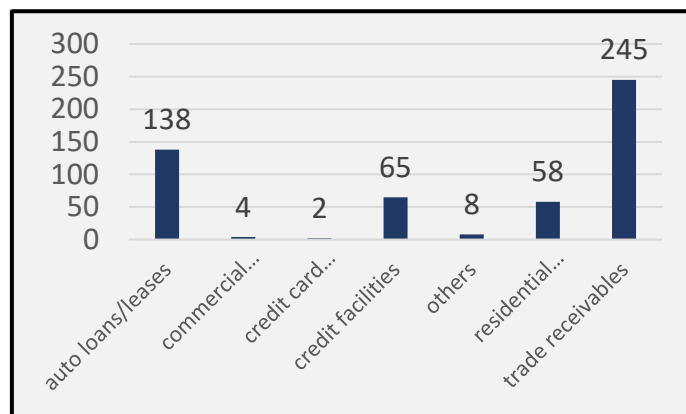


\*) Period 1.1.2019 – 31.12.2021; Source: ESMA Website, SVI

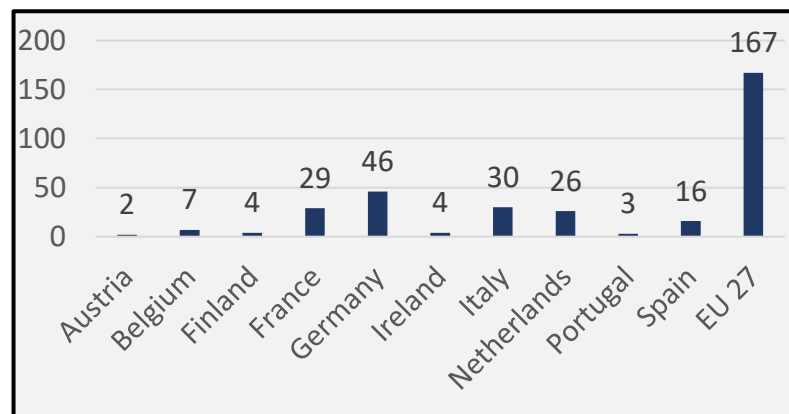
- Since the introduction of the STS-segment, 565 securitisations have been notified as STS-compliant (244 non-ABCP vs. 306 ABCP vs. 15 Synthetic, 196 public vs. 369 private transactions)
- STS-compliant transactions can be notified to ESMA as either “public” or “private” transactions, with resulting vastly different level of disclosure

# DEVELOPMENT OF THE MARKET FOR STS TRANSACTIONS (EU-27 COUNTRIES) (CONTINUED)

**Distribution of all STS-notified Securitisations by Asset Class\*)**



**Distribution of public STS-notified Securitisations by Jurisdiction\*)**

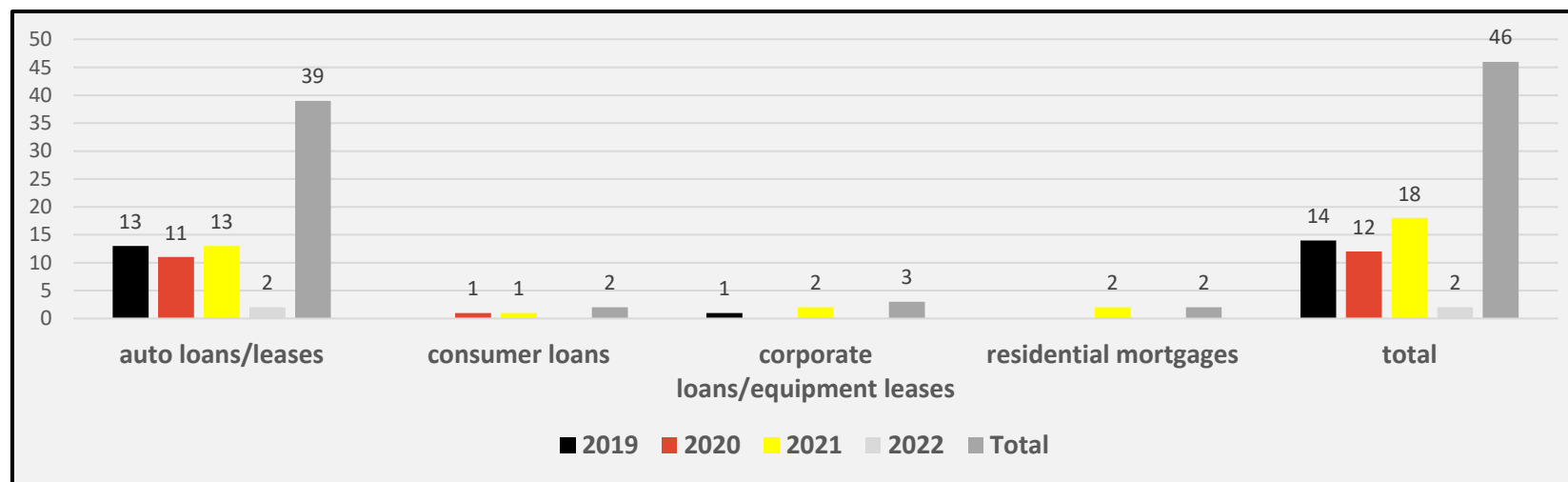


\*) Period 1.1.2019 – 31.03.2022; without Synthetic securitisations; Source: ESMA Website (, SVI

- The categorisation according to asset classes reflects the various asset types as proposed by the STS notification template provided by ESMA for traditional securitisations, respectively
- With effect from 3 February 2022, ESMA has introduced a new STS notification register, which includes (virtually) all previously STS-notified transactions and all newly STS-notified transactions

# DEVELOPMENT OF THE MARKET FOR STS TRANSACTIONS (GERMANY)

Distribution of German public STS-notified Securitisations by Asset Class<sup>\*)</sup>



<sup>\*)</sup> Period 1.1.2019 – 31.03.2022; Source: ESMA Website, SVI

- German public STS-notified securitisations are dominated by auto loan/lease ABS, with some selective consumer loan, corporate loan/equipment lease and RMBS transactions.
- Our database indicates that during the same period another 8 German non-ABCP securitisations have not been STS-notified. The main reasons for this are that they either consist of asset classes that are typically not eligible for STS (such as most CMBS) or are retained transactions that are used by the originator to obtain funding from ECB where STS is currently not a requirement.

# SUSTAINABLE SECURITISATION

## ■ Initial Securitisation Regulation (as of 12 Dec 2017):

- ❖ Since the inception of the STS-segment, the transparency criteria for non-ABCP securitisations have included the requirement to publish environmental performance data of the assets financed by residential mortgage loans and auto loans & leases
- ❖ Proviso that such information is available to the originator and captured in its IT systems

## ■ Amended Securitisation Regulation (as of 31 March 2021):

- ❖ Art. 22 (4) and Art. 26d (4): Originators may alternatively decide to publish „the available information related to the principal adverse impacts of the assets financed by the underlying exposures on sustainability factors“. At the same time, the European Supervisory Authorities shall develop an RTS on the content, methodologies and presentation of the above mentioned information, in respect of the sustainability indicators in relation to adverse impacts on the climate and other ESG-related adverse impacts (currently work-in-progress).
- ❖ Art. 45a: The ESAs shall, by 1 November 2021, publish a report on the development of a sustainable securitisation framework. The EU Commission shall submit such report together with the report on the functioning of the Securitisation Regulation as per Article 46 to the European Parliament and to the Council, in order to prepare a „specific sustainable securitisation framework“ (see next slide).



## SUSTAINABLE SECURITIZATION (CONTINUED)

- **State of Play regarding the Sustainable Securitisation framework (as per EBA report):**
  - **Interaction with STS:** serve different purposes, but synergies are clearly recognisable
  - **Proposed European Green Bond Standard as „platform“ also for green securitisations:** Aims to create a common standard for all fixed income products, but amendments necessary to capture the specifics of securitisations:
    - ✓ use of proceeds approach at the level of the originator rather than SPV to avoid that the securitised portfolio needs to be 100% green and enable the originator to use the proceeds to finance green EU taxonomy-aligned investments
    - ✓ Additional disclosures of the environmental performance of the underlying assets to provide investors an insight on the green vs. brown composition of the securitised portfolio
  - **Specific „green securitisation“ label:** possibly at a later stage for true sale securitisations; additional thoughts required for synthetic securitisations
- **The concept of the External Reviewer as crucial element of the proposed European Green Bond Standard:**
  - **Authorisation & supervision:** by ESMA, open to both EU and third-country domiciled entities
  - **Main tasks:**
    - ✓ Pre-issuance review of the European green factsheet detailing (taxonomy-aligned) use of proceeds, environmental strategy of the issuer and other aspects of the bond issuance
    - ✓ Post-issuance review of the (use of proceeds) allocation reports (until bond maturity)



**Q&A**

# EDW PROXY DATA SOLUTIONS

**CHRISTIAN THUN, EUROPEAN DATAWAREHOUSE**

# PROXY DATA GENERATION PROCESS

5-stage process designed for data set optimisation

1

Identify characteristics of desired loan pool

2

Deal selection based on data completeness and quality

3

Historical performance data of underlying loans

4

Data is adjusted and scrutinised further for quality

5

Final dataset is produced incl. static default/loss & dynamic arrears info

The image displays three overlapping Excel spreadsheets from the 'Dynamic Arrears and Static Default-Loss Data - Read-Only - Excel' workbook. The top-left spreadsheet shows a table with columns for 'Quarter', 'Net Delinquent', and delinquency percentages for various time periods (0-30 days, 30-60 days, 60-90 days, 90-120 days, 120-150 days, 150-180 days). The top-middle spreadsheet shows a table with columns for 'Quarter', 'Constant Default Rate (>=3 months definition)', and 'Constant Default Rate (Transaction definition)'. The bottom-right spreadsheet shows a table with columns for 'Quarters after securitisation', 'Year of Securitisation' (2014-2019), and 'Quarters after securitisation' (0-21).

# EXTENDED TEMPLATES

CHRISTIAN THUN, EUROPEAN DATAWAREHOUSE

## SEVERAL KEY BENEFITS USING EDW'S EXTENDED TEMPLATES

### Easy-to-use format

*The data can be submitted in CSV-format*

### Time- and resource-saving

*No need to prepare a second loan tape for credit rating agencies*

### Free of charge

*The templates are available free of charge to EDITOR users*

### Restricted access only

*Templates provided via SFTP with access for selected parties only*



# A SEAMLESS UPLOAD PROCESS

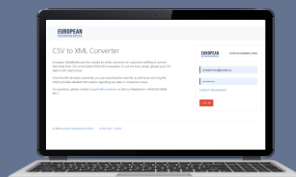
1

Upload EDW  
Extended Templates  
in CSV-format to the  
CSV2XML Converter



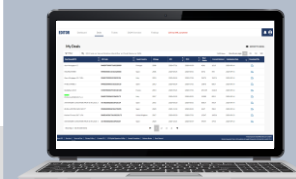
2

The ESMA fields are  
automatically  
converted into an  
XML file



3

The XML files can be  
published in EDITOR for  
ESMA-regulatory compliance



The EDW Extended  
Templates are automatically  
stored in CSV-format for  
credit rating agencies



4

# UPCOMING WEBINARS

Visit the <https://eurodw.eu/news-events-and-multimedia/events/> page to register for upcoming events

27.

APR  
2022

EDW 2022 Spring Workshop Series – German Market Webinar @15:00 BST

28.

APR  
2022  
WEBINAR

Introducing the EDW Adjusted Database @ 15:00 BST

04.

MAY  
2022

EDW 2022 Spring Workshop Series – Irish Market Webinar @15:00 BST

02.

JUN  
2022

Spring Research Update Webinar @ 16:00 BST



# THANK YOU // CONTACT US

## EUROPEAN DATAWAREHOUSE GMBH

**Walther-von-Cronberg-Platz 2**

**60594 Frankfurt am Main**

 **www.eurodw.eu**

 **enquiries@eurodw.eu**

 **+49 (0) 69 50986 9017**

This presentation (the “Presentation”) has been prepared by European DataWarehouse GmbH (the “Company”) and is being made available for information purposes only. The Presentation is strictly confidential and any disclosure, use, copying and circulation of this Presentation is prohibited without the consent from the Company. Information in this Presentation, including forecast financial information, should not be considered as advice or a recommendation to investors or potential investors in relation to holding, purchasing or selling securities or other financial products or instruments and does not take into account your particular investment objectives, financial situation or needs. No representation, warranty or undertaking, express or implied, is made as to the accuracy, completeness or appropriateness of the information and opinions contained in this Presentation. Under no circumstances shall the Company have any liability for any loss or damage that may arise from the use of this Presentation or the information or opinions contained herein. Certain of the information contained herein may include forward-looking statements relating to the business, financial performance and results of the Company and/or the industry in which it operates. Forward-looking statements concern future circumstances and results and other statements that are not historical facts, sometimes identified by the words “believes”, “expects”, “predicts”, “intends”, “projects”, “plans”, “estimates”, “aims”, “foresees”, “anticipates”, “targets”, “may”, “will”, “should” and similar expression. The forward-looking looking statements, contained in this Presentation, including assumptions, opinions and views of the Company or cited from third party sources are solely opinions and forecasts which are uncertain and subject to risks.