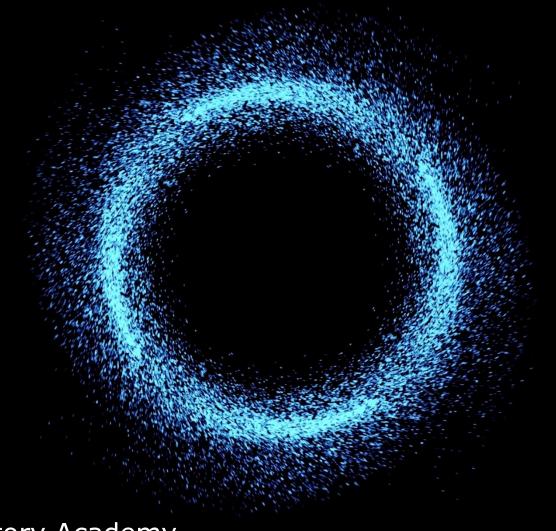
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Banking Risk & Regulatory Academy 2021

10 WEBINARS

DAY1 14-JUNE

- 1) What's new on the regulatory and supervisory agenda?
- 2) Capital management & stress testing in the post-COVID period

DAY2 15-JUNE

- 1) The post-COVID credit risk environment
- 2) The banking sector's NPL outlook

DAY3 16-JUNE

- 1) Strategic view on the BIRD
- 2) Cloud

DAY4 17-JUNE

- 1) ESG strategy for the banking sector
- 2) Deep dive in the cyber and IT security ecosystem

DAY5 18-JUNE

- 1) All about AML: from EBA's expectations to recent innovations
- 2) RegTech insights the future of compliance

35 DELOITTE SUBJECT MATTER EXPERTS



11 COUNTRIES









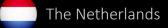














DAY 3 / SESSION 1 Strategic view on the BIRD

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Agenda

1: It's been eight years since PERDARR

The current state of Finance & Risk data management

2: About The BIRD

What is it (not)

3: A bird's a view on The BIRD

Unpacking The BIRD and putting it to use

4: A strategic view on The BIRD

Incentivizing data management and reporting



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The current state of data management

As shared by our FSI clients from across the globe

Regulatory Obligations

- On-Site Inspections (OSI) findings show that banks & insurers face challenges in managing their regulatory reporting processes centrally with sufficient controls;
- TRIM and the Joint Supervisory Teams (JST) focus increasingly on data consistency and data lineage; explicit obligations for having a Data Quality Framework in place;
- The new <u>Definition of Default</u> poses a huge challenge regarding the retrieval of historical data;
- Increasing number of ad hoc data requests (e.g. SME loan tapes, ECB COVID-19 requests) require difficult prioritization decision and high work loads;
- Supervisors expect to measure and monitor the accuracy and completeness of their finance and risk data by applying BCBS #239 & Solvency II principles.
- Supervision in the future will be more data driven, ESG Pillar
 Ill disclosures is only the beginning of what is to come

Survey of TRIM Findings



52% of TRIM investigations with findings on the technical tests on Data Maintenance

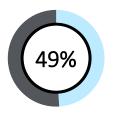


91% of TRIM investigations with findings on Data Management and Data Quality processes

Data Quality is a top priority



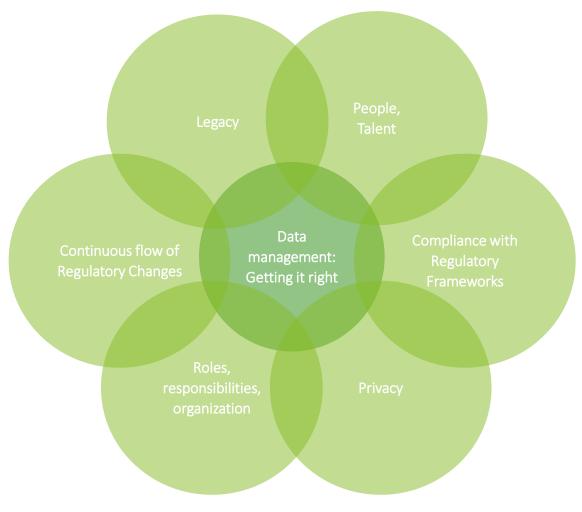
Priority #1: enhancing the quality, availability, and timeliness of risk data



Challenge #1: Half of the participants are extremely or very concerned about data quality and management

The current state of data management

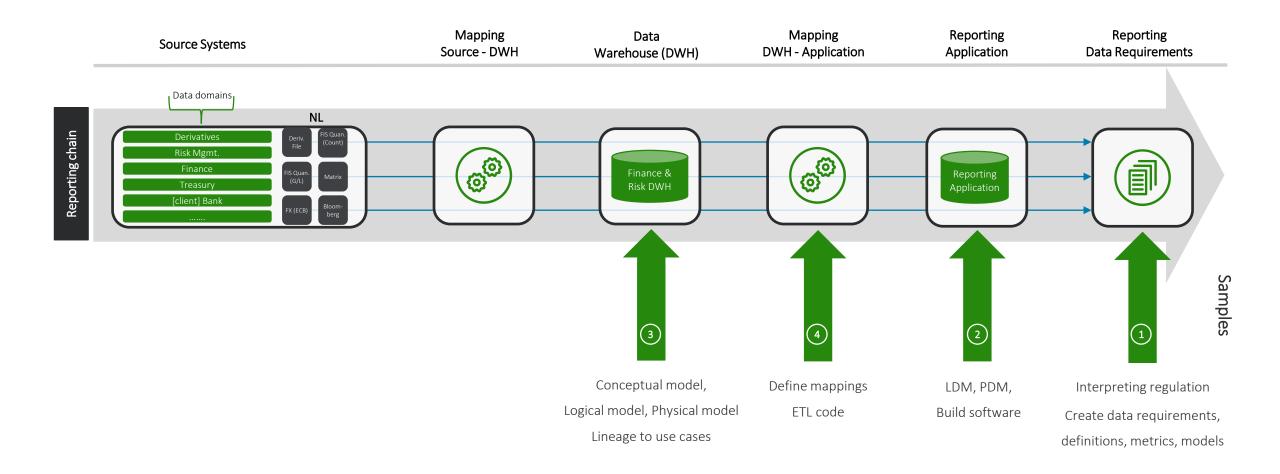
Why is it so difficult to "get it right"?



The multifaceted challenge of data management (selection of facets)

The current state of data management

Getting it right requires a broad focus and many talents



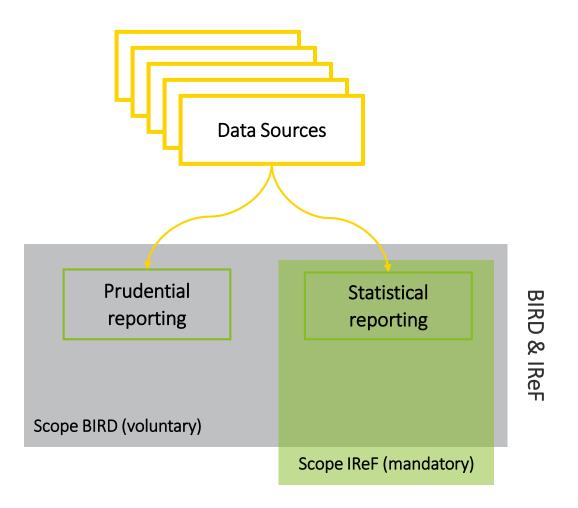


The European System of Central Banks (ESCB) long-term approach to banks' reporting

The Integrated Reporting Framework (IReF)

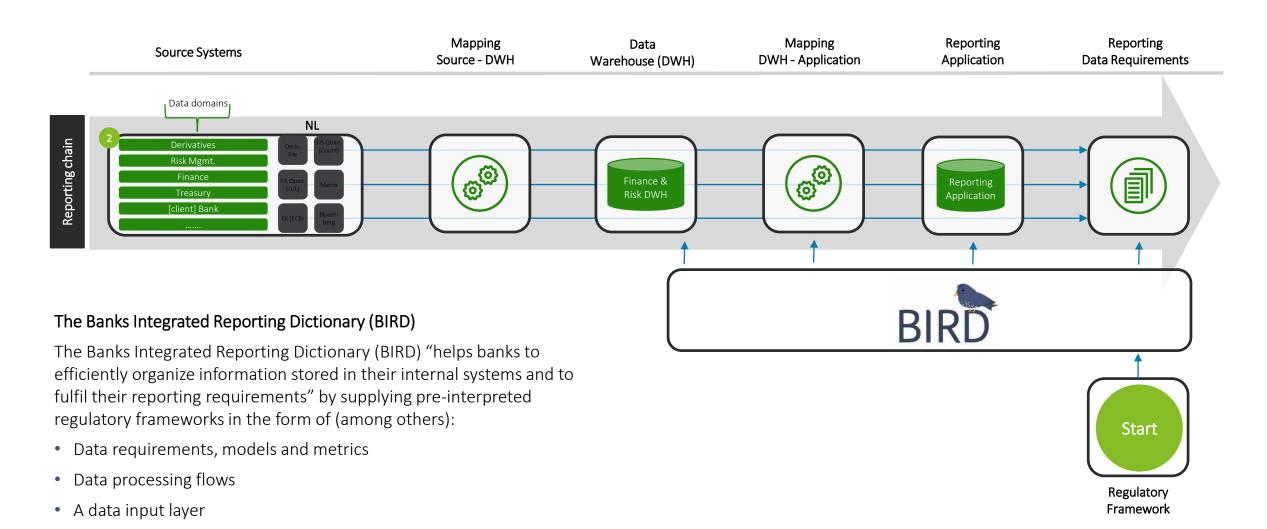
The Integrated Reporting Framework (IReF)

- integrate the Eurosystem's statistical reporting requirements addressed at banks (timeframe 2024-2027).
- directly applicable to banks resident in the euro area
- would not have to be incorporated into national collection frameworks.
- requirements that are not covered under the IReF scheme will either be discontinued or preserved under the IReF as countryspecific requirements
- an extended IReF technical layer will be developed to model country-specific requirements and describe them from a technical and methodological perspective, overlapping requirements across two or more countries will be described in a uniform way that is consistent with IReF requirements
- IReF will replace existing regulations on BSI, MIR, SHS and AnaCredit (for deposit taking institutions)



The European System of Central Banks (ESCB) long-term approach to banks' reporting

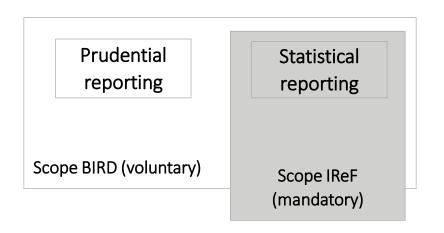
The Banks Integrated Reporting Dictionary (BIRD)



The European System of Central Banks (ESCB) long-term approach to banks' reporting

The Banks Integrated Reporting Dictionary (BIRD)

Scope



Which statistical and supervisory regulatory frameworks are (or will be) covered by the BIRD?

- AnaCredit, Securities Holdings Statistics (SHS), Balance Sheet Items (BSI) Statistics, Interest Rate (MIR) Statistics. the balance of payments and national accounts
- The additional requirements under the Single Supervisory Mechanism;
- The EBA's Implementing Technical Standards (ITS), including Common Reporting (COREP) and Financial Reporting (FINREP)

Advantages for banks (as per BIRD Steering Group)

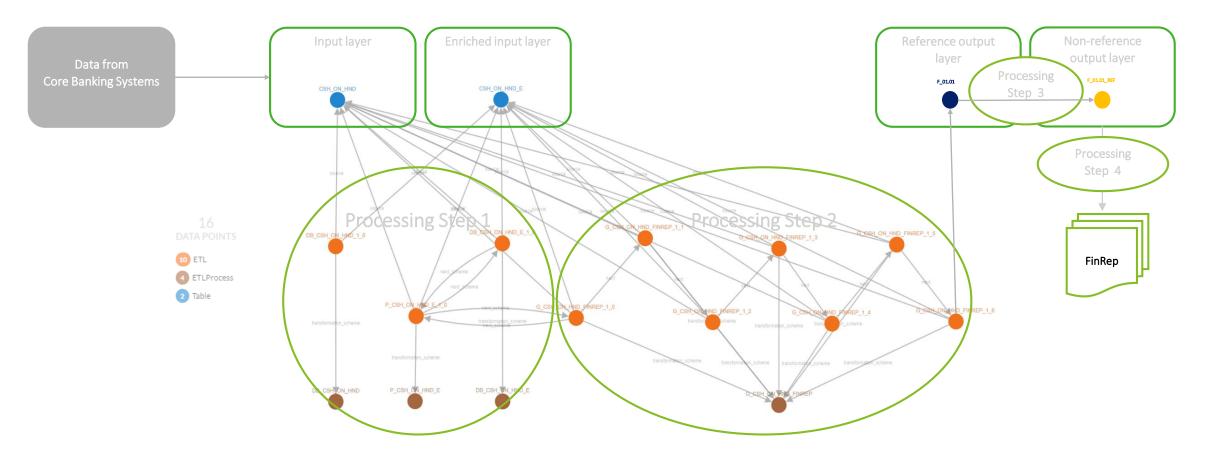
- Different reports can be produced from a single input layer by applying harmonized algorithms. This reduces the reporting burden for the banks, improves the consistency and quality of their data and removes the need for them to manage each mandatory data collection separately.
- There are well-defined transformation rules, which include the calculations used to obtain certain regulatory figures. These provide a univocal interpretation of regulations and greater clarity, while also increasing compliance with the regulatory requirements
- Less time and effort is needed to analyze and comply with new reporting requirements, which increases efficiency and reduces costs
- The banks develop a better understanding of and a greater interest in what the data include and how they are produced. This means that the **banks can** manage and use their data more effectively.



Unpacking The BIRD

BIRD describes which data should be extracted from bank's internal systems and comes with a set of defined rules for transforming this data to comply with reporting requirements

An example: subset of cubes and rules based on Cash on Hand



But... how can we put BIRD to use?

BIRD application viewed through two perspectives: 1) BIRD to support changing the reporting process and 2) BIRD enabled reporting production

The BIRD lens

A: Support changes

BIRD provides conditions that combine into an outlook on design. BIRD serves as a guiding principle in designing the reporting process covering documentation, regulatory requirements, data definitions etc.

Typical challenges:

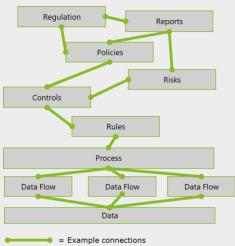
- Impact of changes: which layer, which domain, how are they connected?
- Redundancies (data flow)
- Dependencies
- Are we compliant?

B: BIRD enabled report production

Automatically using the BIRD rules and transformations configure a working reporting engine

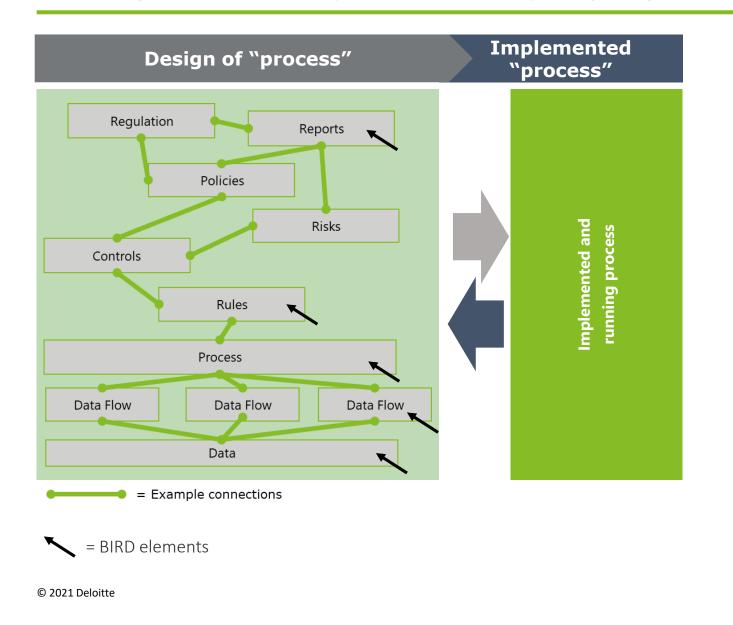
Questions:

- Can 'BIRD' procedure reports?
- Can 'BIRD' be used to challenge the status quo of custom build/closed vendor solutions?
- Is BIRD a stepping-stone towards 'data driven' (machine interpretable) rules & regulations?

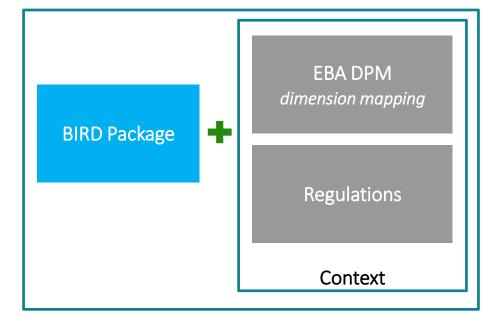


Creating a BIRD Knowledge Graph

Connecting the different concepts in data-driven reporting using BIRD while integrating execution with design

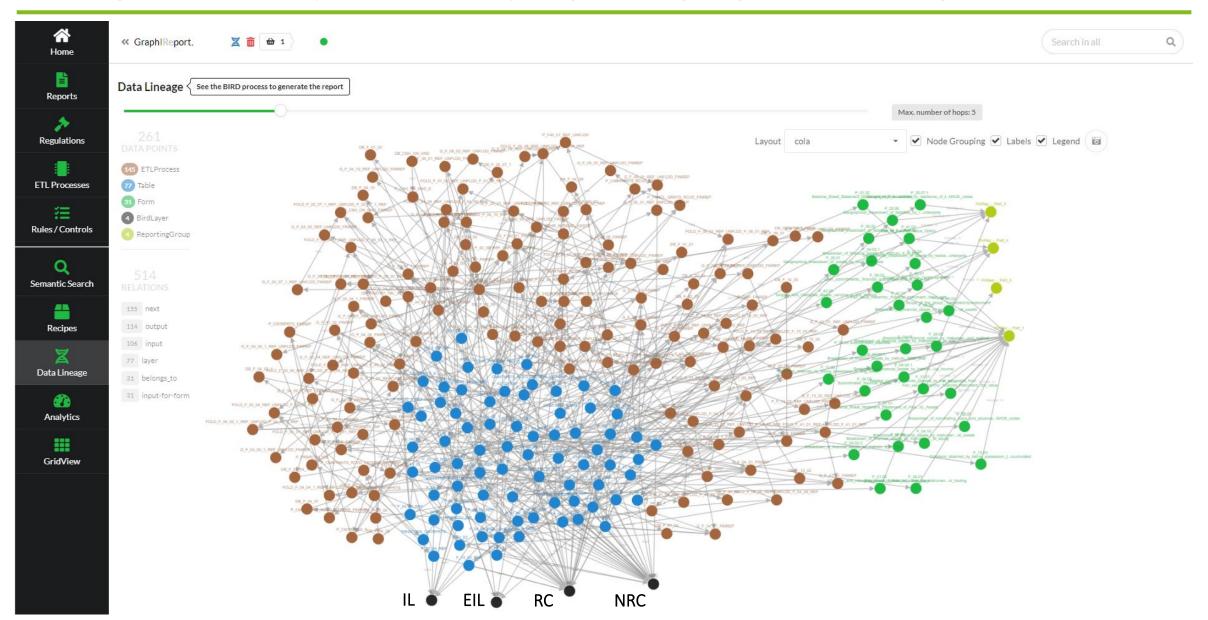


A knowledge graph is a means to represent knowledge in a domain of interest using a graph structure.



Creating a BIRD Knowledge Graph: Overview

Connecting the different concepts in data-driven reporting while integrating execution with design



Creating a BIRD Knowledge Graph: Demo 1

Connecting the different concepts in data-driven reporting while integrating execution with design



Creating a BIRD Knowledge Graph: Demo 2

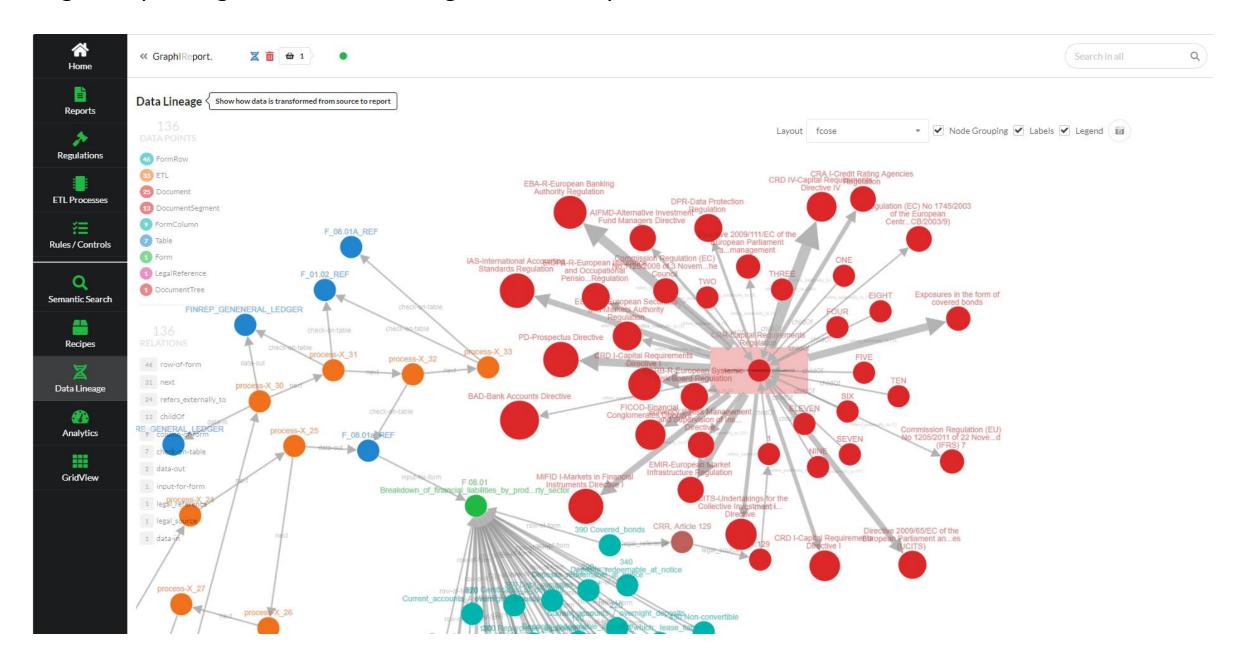
Connecting the different concepts in data-driven reporting while integrating execution with design



4: A strategic view on the BIRD

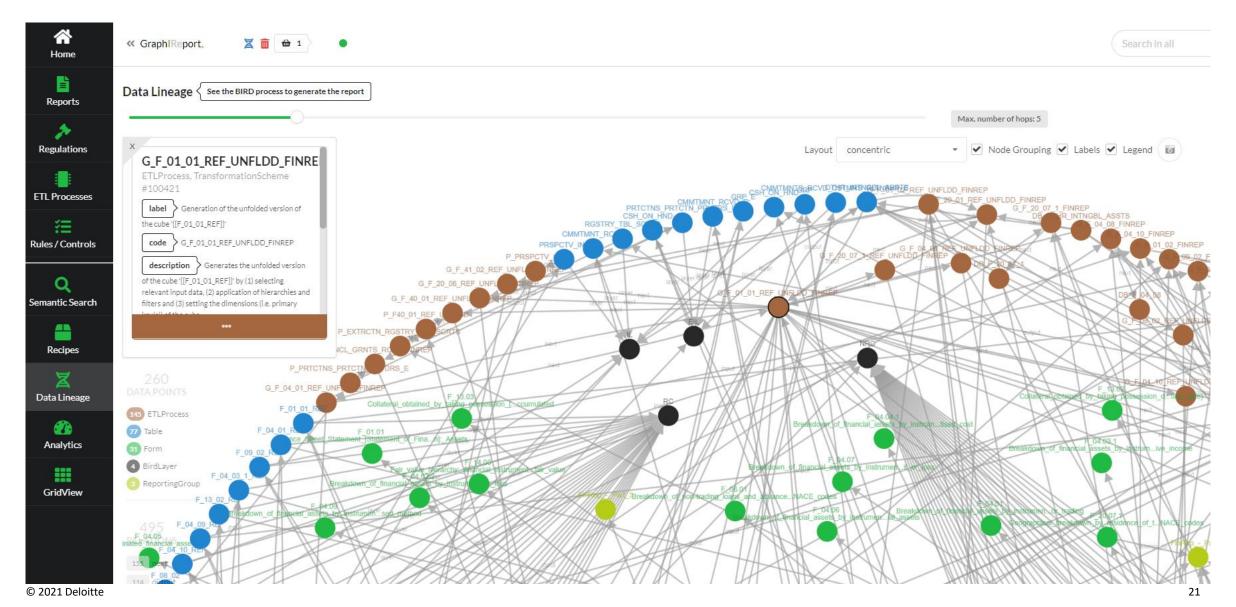


Regulatory Lineage & Metadata Lineage – enabled by the BIRD



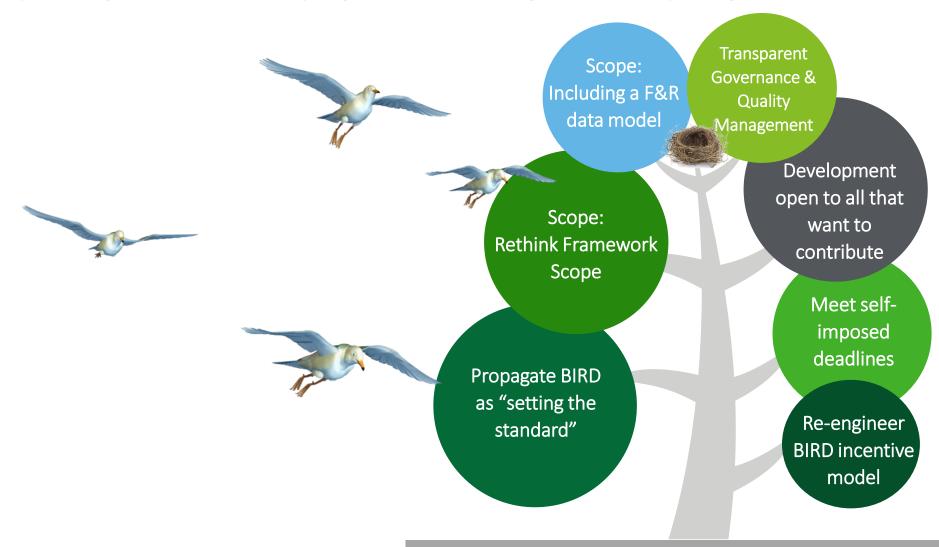
BIRD enabled AI & Analytics

Providing insights on critical data elements, data hotspots and putting data quality issues into context



The business case for BIRD

Key challenges to solve for disrupting banks' data management and reporting



Community supported data management & reporting platform Enabling banks to regain focus on the core of their business

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