



Solution
Primer

Financial Services

OneSumX Smart Cubes, Reporting Systems & More

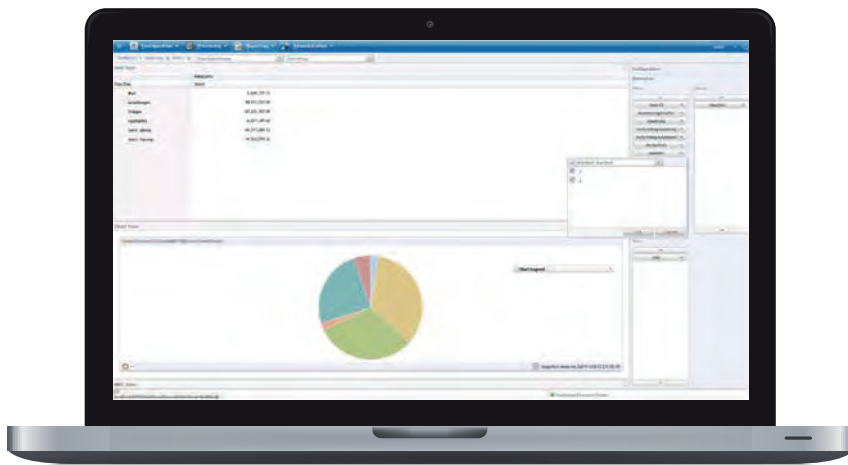
The introduction of Basel III and COREP is altering reporting requirements for all financial institutions and leading to changes in data processing, calculations and the level of detail required in the data that needs to be provided. However, this is only the first in a series of changes in the reporting system that has either been agreed or is expected. Whether it is the need to create Smart Cubes with the resulting data and calculation requirements from 2015 onward or the expected adaptation to Europe-wide regulatory systems such as IFRS and FINREP, demands on future reporting system solutions are increasing and are

giving rise to a variety of requirements in terms of functionality, data management and technology.

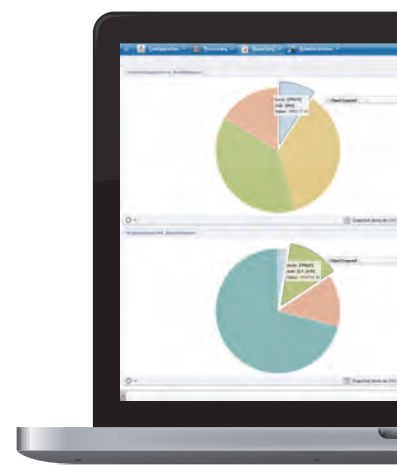
Moreover, the question is increasingly arising on how the necessary effort involved in compiling, revising and coordinating the data can also offer benefits in other areas besides reporting. How can we use this regulatory requirement as a potential launch pad to make better decisions for new and existing business models or to support the company's finance departments, and thereby improve operational efficiency?

Smart Cubes reporting systems and more

Wolters Kluwer SVENSON reporting suite is a trusted solution that covers the regulatory reporting requirements of Austrian banks and insurers. The suite is based on a reliable architecture, is easy to use and allows a high degree of automation and integration with upstream banking systems.



Pivot table view of an EZB Smart Cube



Analysis of the "Ausleihungen /

The Smart Cubes prescribed by Austrian Central Bank, the Oesterreichische Nationalbank (OeNB), are provided with SVENSON: the Smart Cube functionality, the necessary checks, visualizations and analysis options enable the user to implement the new OeNB regulations in a clear and transparent way. Comprehensive auditing also enables drill-back from data in OLAP reports to the underlying data.

The SVENSON reporting suite is part of Wolters Kluwer Financial Services' solutions for the areas of finance, risk and regulatory compliance. These solutions are based on a central DataStore, which makes data available at the level of individual transactions for a wide range of possible uses. In line with additional requirements, the database can be extended to the use of additional functional modules, making optimal use of the existing data interfaces.

SVENSON offers comprehensive tools and features for compiling and revising the necessary data, calculating all statistical and risk ratios and generating records and reports: SVENSON comprehensively covers the requirements of the current form-based Austrian reporting system. It complies in full with the guidelines of the Austrian National Bank, the Financial Markets Authority, the deposit protection fund for banks and bankers and the Austrian Insurance Association.

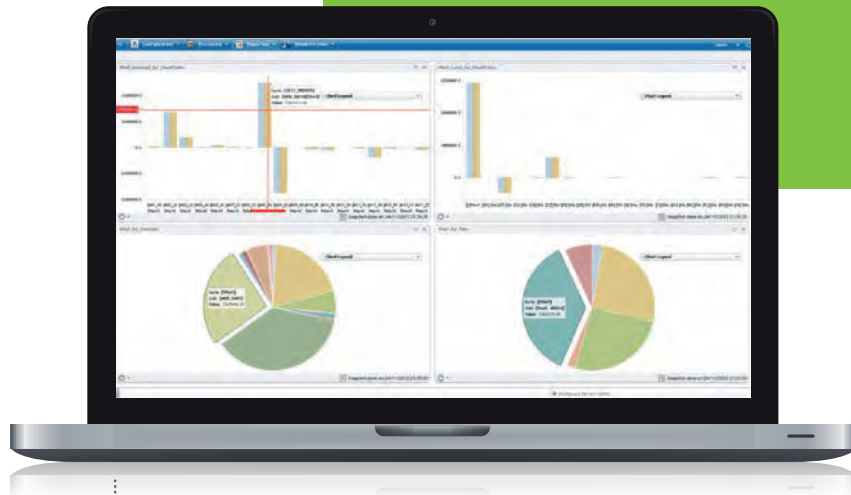
Transaction and master data are loaded into SVENSON' database; ETL features are available for this and data can be enriched and cleansed. The user has the option to audit and adapt the data to achieve data consistency for reporting requirements.

Forms and records are produced in accordance with all mandatory auditing rules and calculations, and can be forwarded via the respective interfaces to the relevant regulator. The wide-ranging user functionality and automation features enable timely, accurate and, most importantly, comprehensive reporting in a time ever shortening reporting intervals and stricter national and international requirements.

SVENSON uses a uniform data model, our DataStore, in which enriched individual transactions form a multidimensional data matrix. Mandatory reports ("smart cubes") are derived from this "data cube", supplemented by additional data in the form of key figures.



Lending" concept in an EZB Smart Cube



Analysis dashboard for Smart Cubes

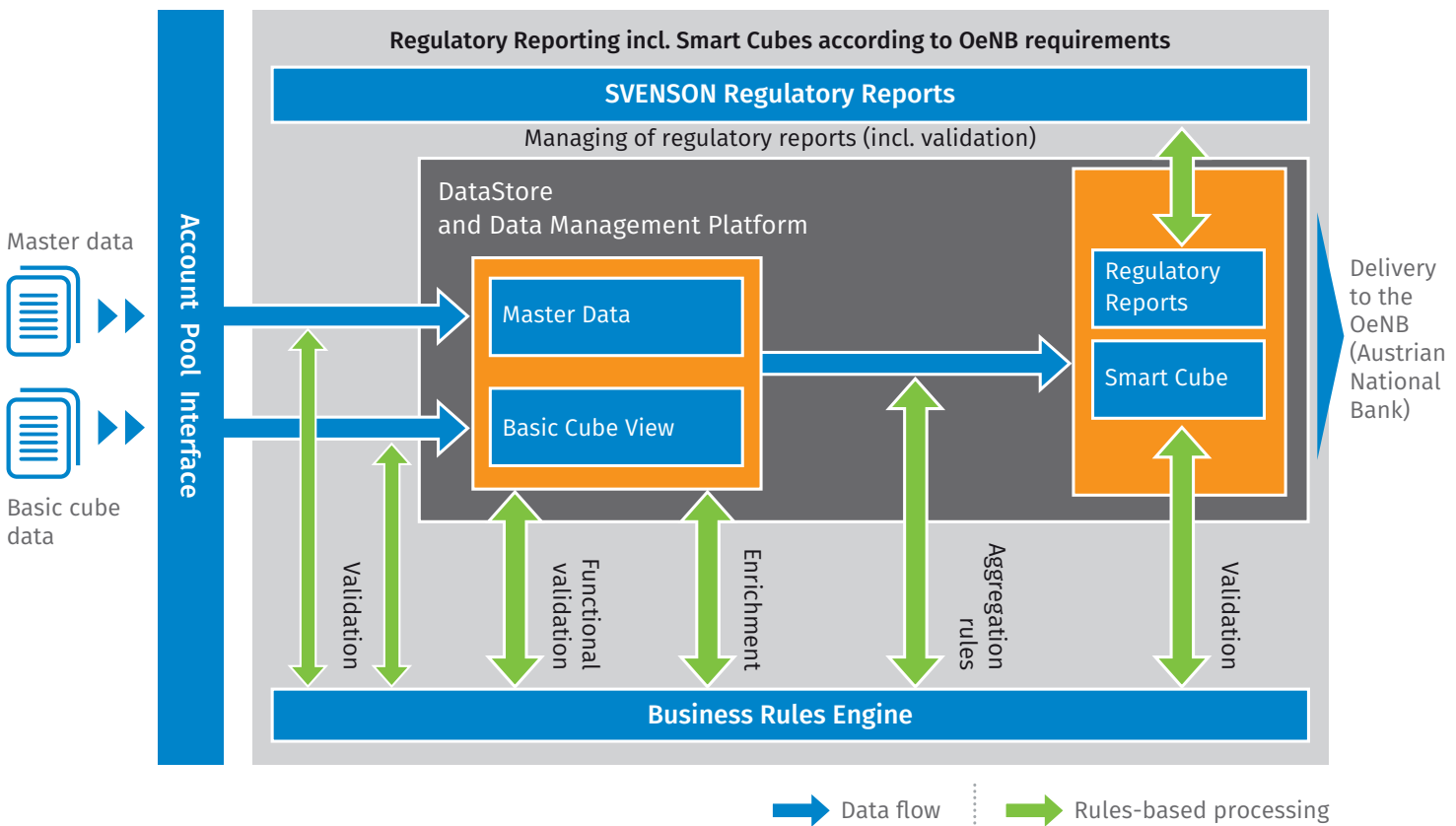
The database can be extended with the use of additional functional modules, making optimum use of the existing data interfaces. This allows our customers to grow well beyond existing requirements.


Smart Cubes are multidimensional ‘data cubes’ that in the future will increasingly replace parts of classic forms and reports. To produce these Smart Cubes, data regarding individual transactions need to be readily available as well as enriched data.

All data required for the production of Smart Cubes are summarized in a ‘Basic Cube’. This Basic Cube is therefore not a single cube, but a set of tables with all the necessary basic data. The SVENSON reporting system solution also provides a Basic Cube view in which relevant reporting data can be updated at the level of individual transactions before they are enriched and then transferred to Smart Cubes.

Requirements resulting from the Basic and Smart Cubes that must be produced are handled easily and efficiently by the SVENSON application. The checks, visualizations and analysis options allow the user to implement these new regulations in a clear and

Regulatory Reporting including Smart Cubes according to OeNB (Austrian National Bank) requirements





transparent way. Comprehensive auditing enables drill-back from data in OLAP reports to the underlying data. An interface with the SVENSON AccountPool can be fully reused for existing customers.

In case a company intends to use the Common Reporting Platform (known as the Gemeinsame Meldewesen Plattform or GMP), it will typically need to collect, process and revise the data beforehand and perform all calculations and any manual adjustments before the data is sent to the GMP. All these processes can be fully audited and supported by Wolters Kluwer.

In addition to the SVENSON reporting solution there are other Wolters Kluwer components and modules which allow our customers to achieve technical and operational efficiency and ensure consistent interpretation of laws and guidelines with international auditing. For example, the anticipated national and international requirements relating to Financial Reporting (FINREP), the standardized EU-wide framework for reporting financial accounting data in accordance with IFRS, are covered by modules available within the overall architecture.

Reusability of reporting data

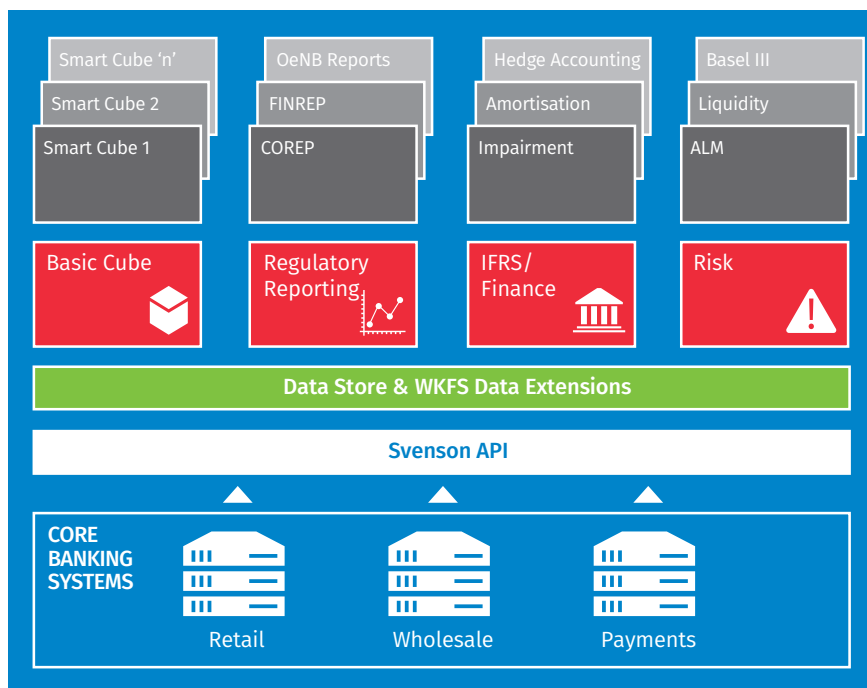
The Wolters Kluwer data architecture is an open data model that provides generic data for a wide range of possible applications. The database can be extended with the use of additional functional modules, making optimal use of any existing data interfaces. This allows our customers to grow well beyond existing requirements, and in a future-proof architecture that will let them activate additional functional modules as needed. Our Regulatory Update Service (RUS) protects customers with regard to future changes, thereby minimizing expenditure on the customer's side, as any regulatory adjustments are implemented in the software as part of the RUS service.

In case a company intends to use the Common Reporting Platform (known as the Gemeinsame Meldewesen Plattform or GMP), it will typically need to collect, process and revise the data beforehand and perform all calculations and any manual adjustments before the data is sent to the GMP. All these processes can be fully audited and supported by Wolters Kluwer.

The modular structure of the Wolters Kluwer finance, risk and regulatory compliance solutions not only provides our customers with a comprehensive suite addressing current and future reporting requirements.

Ongoing reuse and enrichment of the underlying data, together with shared technological and functional components, allow the overall architecture to expand into the following functional areas:

- FINREP and international reporting applications for over 50 countries not only allow comprehensive cover of local requirements, but also help expanding or international institutions to meet regulatory requirements. Wolters Kluwer is the global market leader in terms of both the breadth of its range of reporting solutions and the implementation of multi-country requirements.
- Our IFRS Express finance solution helps CFOs to draw up financial statements easily, effectively and on time, in accordance with local and international regulations. Features include accounting that supports IFRS, generation of journal entries, validation and analysis of all results and extensive reporting using an end-to-end audit trail. Our applications also fully support the introduction of IFRS 9 in January 2018. Wolters Kluwer IFRS solutions are regularly described by the industry and the specialist press as innovative and market leading in terms of functionality.
- Our performance and profitability management solutions help customers with budgeting, cost accounting and financial planning, including profitability analyses.
- The financial risk management features allow proactive business management. Support with decisions, both regarding the existing portfolio and with the simulation of future and potential new areas of business, is provided by our comprehensive, credit risk, liquidity risk and market risk management and asset liability management modules. Detailed modeling options at the level of individual contracts and the use of stress scenarios are key points in the analysis of results in OLAP and reports.





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About Wolters Kluwer

Wolters Kluwer (WKL) is a global leader in professional information, software solutions, and services for the healthcare; tax and accounting; governance, risk and compliance; and legal and regulatory sectors. We help our customers make critical decisions every day by providing expert solutions that combine deep domain knowledge with specialized technologies and services. Wolters Kluwer reported 2019 annual revenues of €4.6 billion.

The group serves customers in over 180 countries, maintains operations in over 40 countries, and employs approximately 19,000 people worldwide. The company is headquartered in Alphen aan den Rijn, the Netherlands. Wolters Kluwer shares are listed on Euronext Amsterdam (WKL) and are included in the AEX and Euronext 100 indices. Wolters Kluwer has a sponsored Level 1 American Depositary Receipt (ADR) program. The ADRs are traded on the over-the-counter market in the U.S. (WTKWY).

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