

Simplified Data Management using SAP Data Services & SAP Information Steward

Sean Kelly

Project Manager

October 24, 2018



Disclaimer: *This presentation outlines a general technology direction. Pfizer Inc has no obligation to pursue any approaches outlined in this presentation or to develop or use any functionality mentioned in this presentation. The technology strategy and possible future developments are subject to change and may be changed at any time for any reason without notice.*

The views and opinions expressed in this presentation and any related discussion(s) are solely those of the individual presenter(s) and may not express the views of and opinions of Pfizer Inc.



Agenda

- **Pfizer Overview**
- **SAP Information Steward Usage**
- **Simplifying using SAP Data Services**
- **Benefits Achieved**



Pfizer Overview

Our Purpose:

Innovate to bring therapies to patients that significantly improve their lives

Our Mission:

To be the premier, innovative biopharmaceutical company

Our Four Imperatives:

1

Ensure a productive, industry-leading innovative core

2

Make capital allocation decisions that maximize patient benefit and enhance shareholder value

3

Be a responsible corporate citizen

4

Continually strengthen our ownership culture

Our Values



customer focus



community



respect for people



performance



leadership



collaboration



integrity



quality



innovation



ERP Objective

To deploy standard global business processes for Manufacturing & Supply Chain, Finance, Procurement, and Commercial Operations to advance Pfizer's business objectives, support its new business model, and be more cost efficient in basic transaction processing.

The ERP strategy has been designed and will be managed with a "One Pfizer" approach. ERP business processes have been scoped, including interface points, with the entire Pfizer value chain in mind from product introduction to customer receipt and payment.

Integral to this company-wide ERP strategy is the use of software to drive consistent and integrated business processes. Driven by SAP software, ERP will allow Pfizer to see how the businesses are performing in real time through:

- Consistent and integrated enterprise business processes
(Single Global SAP Instance)
- **A single source of master data across the entire company**
- End-to-end business process visibility and robust analytics



Pfizer Overview

\$52.5

BILLION
in revenue in 2017

58

MANUFACTURING
sites worldwide

MORE THAN

125

COUNTRIES
in which Pfizer sells products

9

PRODUCTS
with sales greater
than \$1 billion in 2017

MORE THAN

180

NEW R&D
COLLABORATIONS
in 2017

MORE THAN

90,000


COLLEAGUES
around the world

*As of March 1, 2018



SAP Information Steward Usage

SAP Information Steward adoption continues across multiple business functions for SAP and Non-SAP systems

	FINANCE	MATERIAL	SECURITY	QUALITY	PROCURE	CUSTOMER	WWRD	
Governance	Active	MDG-F	MDG-M Business Workflow	GRC Access Request	Process	MDG-S	Process	Process
	Passive	 <p>Identify, measure and improve master data quality</p> <ul style="list-style-type: none"> ✓ Ad-hoc analysis. (MS Excel , MS Access..) ✓ System reports or analytics (BI, ECC, APO...) 						
Source System	SAP-ECC SAP- BI	SAP-ECC SAP-APO SAP-BI SAP-MDG	SAP-BI SAP-GRC	Quality System	SAP-ECC	SAP-ECC	Multiple DBMS	



Active Data Governance = Right the 1st time.
 Passive Data Governance = Monitor, detect and correct

Simplifying using SAP Data Services

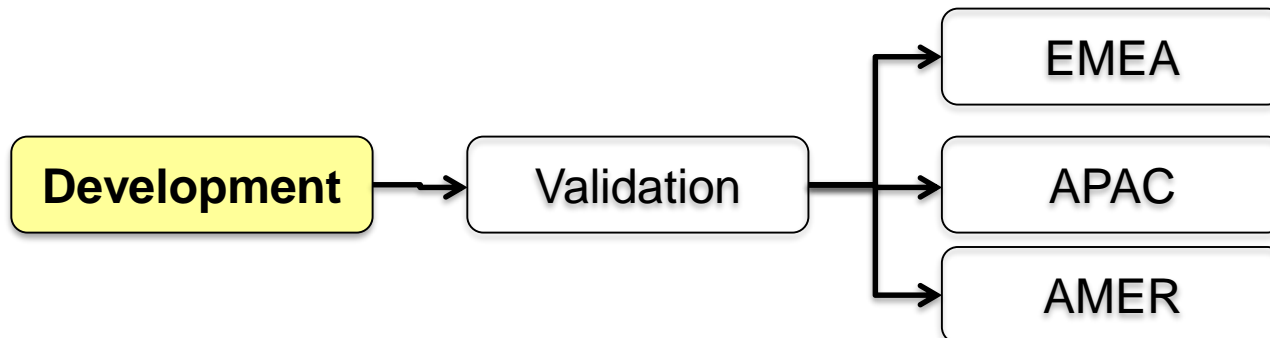
Use Case Quality System

Goal

Implement efficient, timely and manageable data verification processes and technologies to ensure high quality master data to support global quality solutions for seventeen laboratory operational processes

Problem Statement

- Time consuming manual build for views due to the significant number of tables / views to query quality system development database.
- Significant revisions to rules, parameters and filters due to complex data standards mapped as rules in SAP Information Steward



Simplifying using SAP Data Services

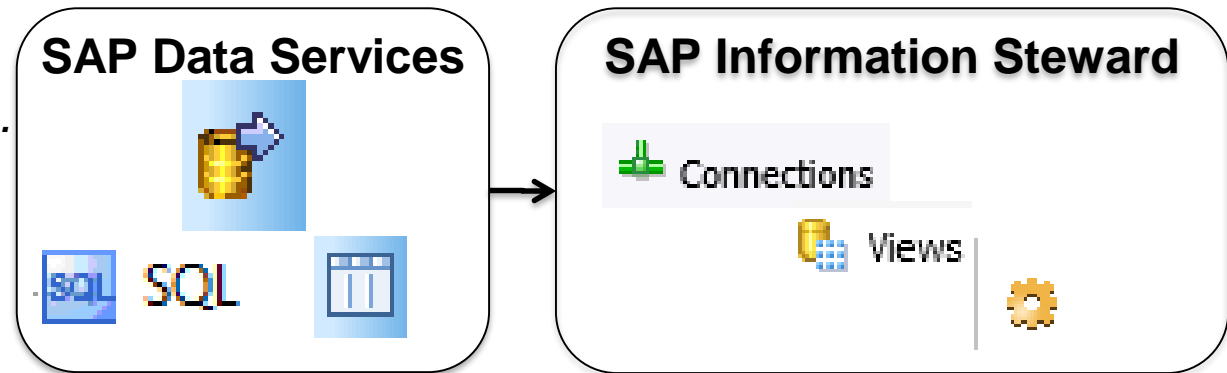
Use Case Quality System

Solution

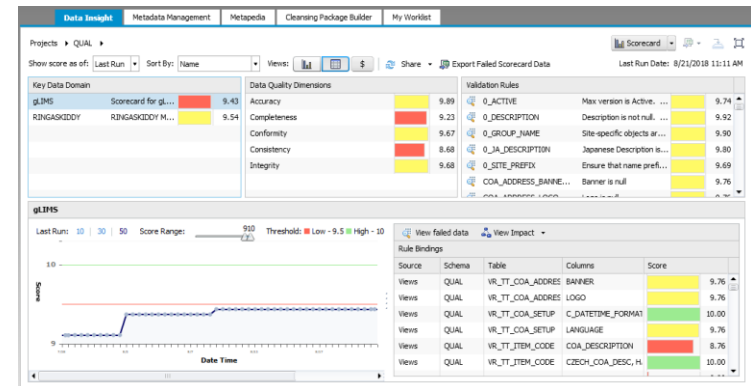
- Leverage SAP Data Services to perform efficient SQL query operations for scorecard build in Information Steward.

Perform union and filter nearly 80 tables.

Simple existence checks for column data.



Development



Simplifying using SAP Data Services

Use Case

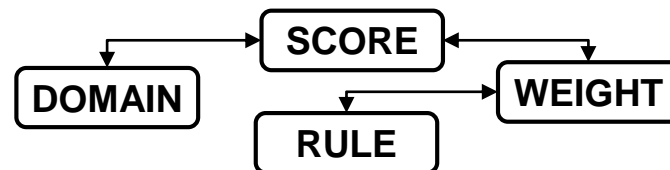
Material Master Data Management

Goals

- Manage an ongoing project to improve the data quality in the material master domain using SAP Information Steward.
- Implement an analytics solution with a consolidated and aggregated snapshot for the data quality improvements.
- Ensure Pfizer Data Stewards remain focused on site specific SAP Information Steward scorecards (total ~ 100).

Problem Statement

- Limitations to analytics and score carding functionality within Information Steward to support efficient aggregation and analytics
- Trial and error process to verify the tables / views to generate analytics due to limited documentation or reference information for the data model.



Simplifying using SAP Data Services

Use Case

Material Master Data Management

Solution

- Transform data by scorecard, rule, row count (failed & total) and score.
- Aggregate data in year, month, and current period.
- Include meta data (Team and Data Stewards)



Benefits Achieved

Use Case Quality System

- Simplified adoption for implementing Information Steward
 - Leverage technical skills for Information Steward leads.
 - Data Services geared towards an audience with more technical knowledge.
 - More time effort focused on rules development and data quality activities.
- Facilitates pre-build and ongoing data verification for current and future sites
- Scalable and flexible data view and rule design to simplify scorecard build.

Use Case Material Master Data Management

- Simplified analytics solution to measure, track and communicate progress for data quality improvements with multiple aggregation options.
- Key resource to drive meetings / reviews with data teams to interrogate or explore shortcomings to data quality improvements.

