



SAP Master Data Governance on SAP S/4HANA **Road Map Discussion**

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PUBLIC



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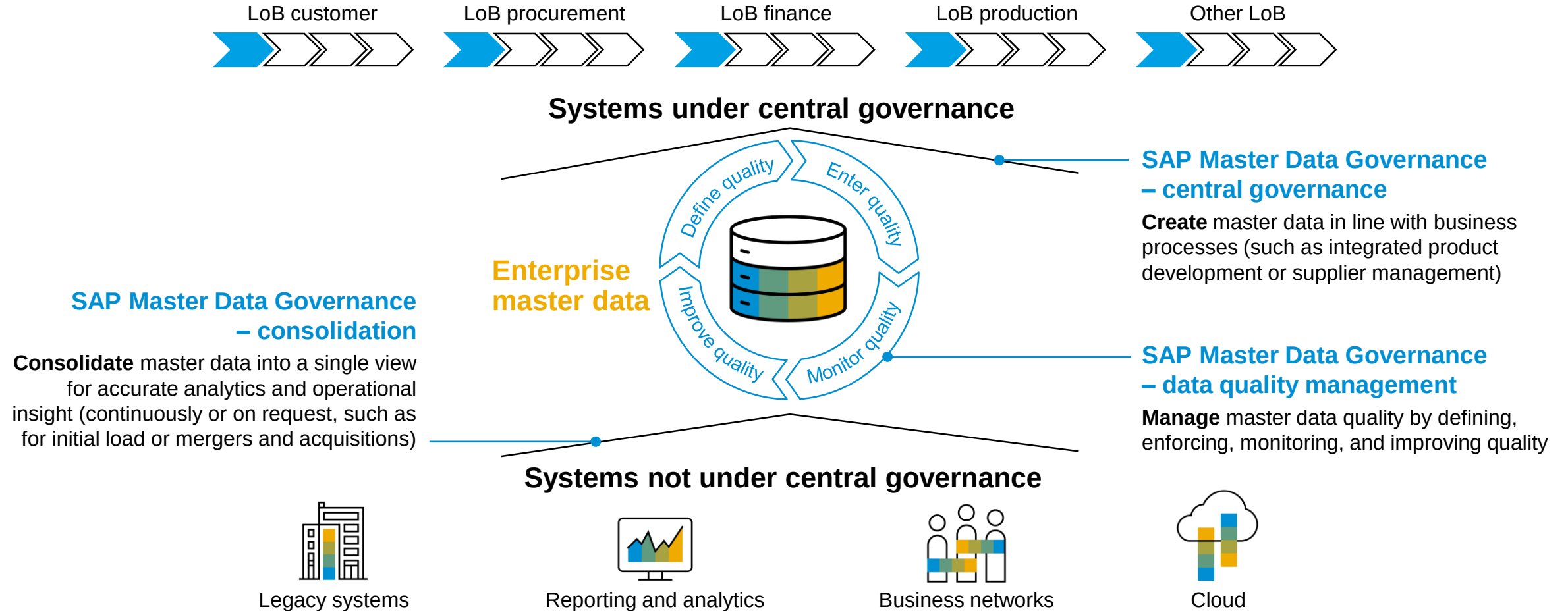
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For all recent and planned innovations, potential data protection and privacy features include simplified deletion of personal data, reporting of personal data to an identified data subject, restricted access to personal data, masking of personal data, read access logging to special categories of personal data, change logging of personal data, and consent management mechanisms.

SAP Master Data Governance

In the master data management product portfolio



All typical approaches are supported: central governance with distribution, decentralized ownership with consolidation, data quality monitoring with remediation

SAP Master Data Governance

Consistent high-quality master data for your entire organization

SAP Master Data Governance is a **state-of-the-art master data management application**, providing **preconfigured**, domain-specific master data governance to **monitor and remediate** eventual data quality issues, to **centrally** create, change, and distribute, or to **consolidate** master data across your **complete enterprise system landscape**.

There are **two versions**: **SAP Master Data Governance on SAP S/4HANA** and **SAP Master Data Governance** (technically on SAP ERP 6.0).

Central governance or consolidation for consistent master data

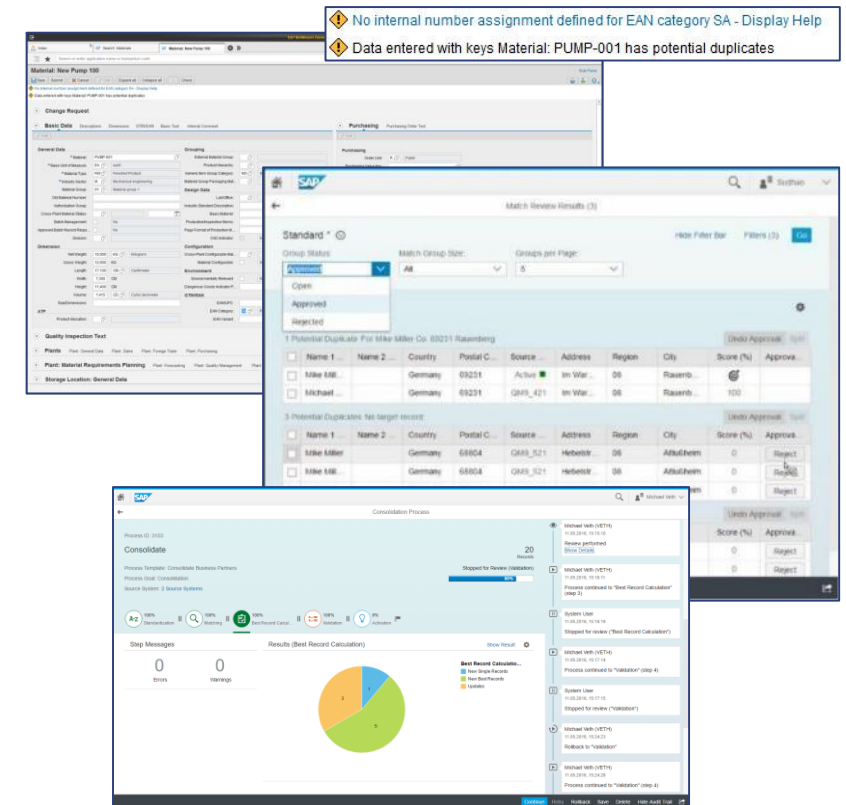
- Enables centralized governance, compliance, and transparency of master data during creation and change through integrated staging, approval, and central audit trail
- Delivers consistent definition, authorization, and replication of key master data entities
- Eliminates error-prone manual maintenance processes for master data in multiple systems
- Supports consolidation of decentralized master data in any enterprise system landscape to create best records and key mapping between duplicates
- Optionally combines consolidation with central governance for sustained master data quality

Data quality

- Analyze process quality, manage and monitor data quality, and optionally integrate with SAP HANA smart data quality, SAP Cloud Platform Data Enrichment, or SAP Data Services for quality, enrichment, and remediation

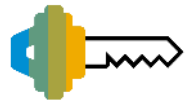
Integration and reuse

- Native integration and openness to integrate 3rd-party services
- Reuse of SAP data model, existing business logic, and configuration for data validation
- Open application to manage your own master data flexibly also for non-SAP environments



SAP Master Data Governance

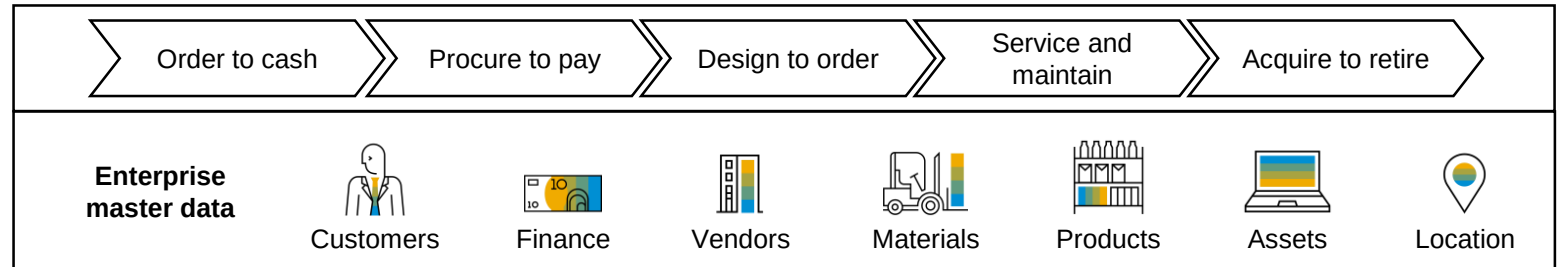
Product description



Key capabilities

One application for
the entire enterprise
master data management

All domains and processes



All use cases and implementation styles



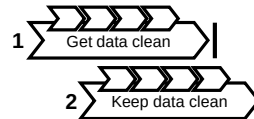
Continuous quality management and remediation

Ensure high data quality by continuously measuring, analyzing and correcting quality issues



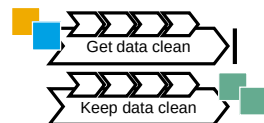
Periodic consolidation for analytical purposes

Enable data consistency via consolidation for analytical use cases like global spend reporting



Consolidation for initial load before central governance

Enable data correctness and accuracy via consolidation run before starting central governance



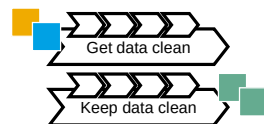
Consolidation for M&A (or for MDG rollout to more regions/units)

Enable data consistency via consolidation every time it comes to an acquisition or, for example, when onboarding master data for more regions, while continuously running central governance



Central governance only

Have clean data at the point of creation or change

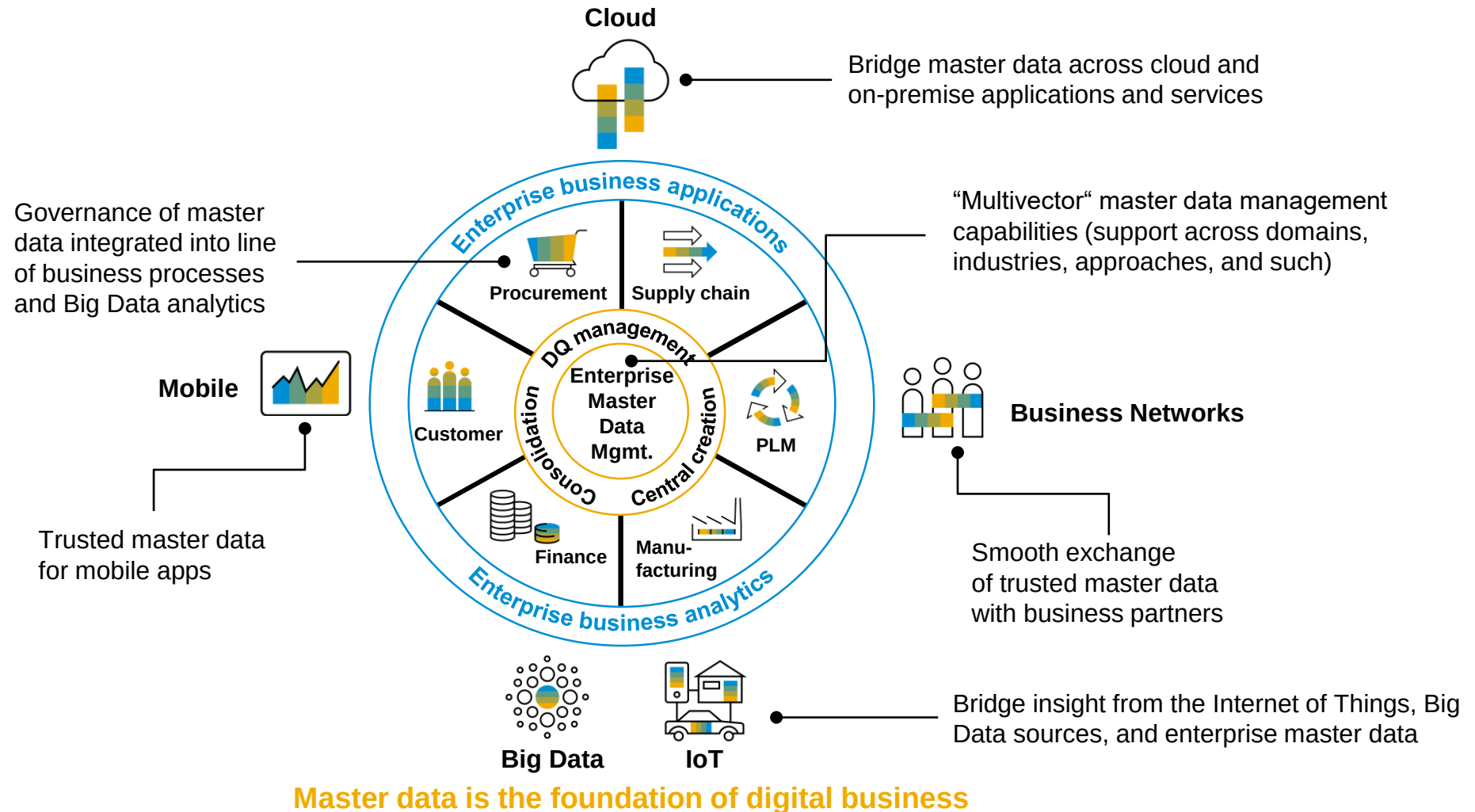


Coexistence hybrid approach

Deliberately keep some parts under local ownership with continuous consolidation and some parts under central governance

SAP Master Data Governance

Key trends, customer needs, and value proposition



The role of SAP MDG in the context of SAP S/4HANA

MDG can accelerate your S/4HANA roadmap

SAP S/4HANA does not change the role of SAP Master Data Governance

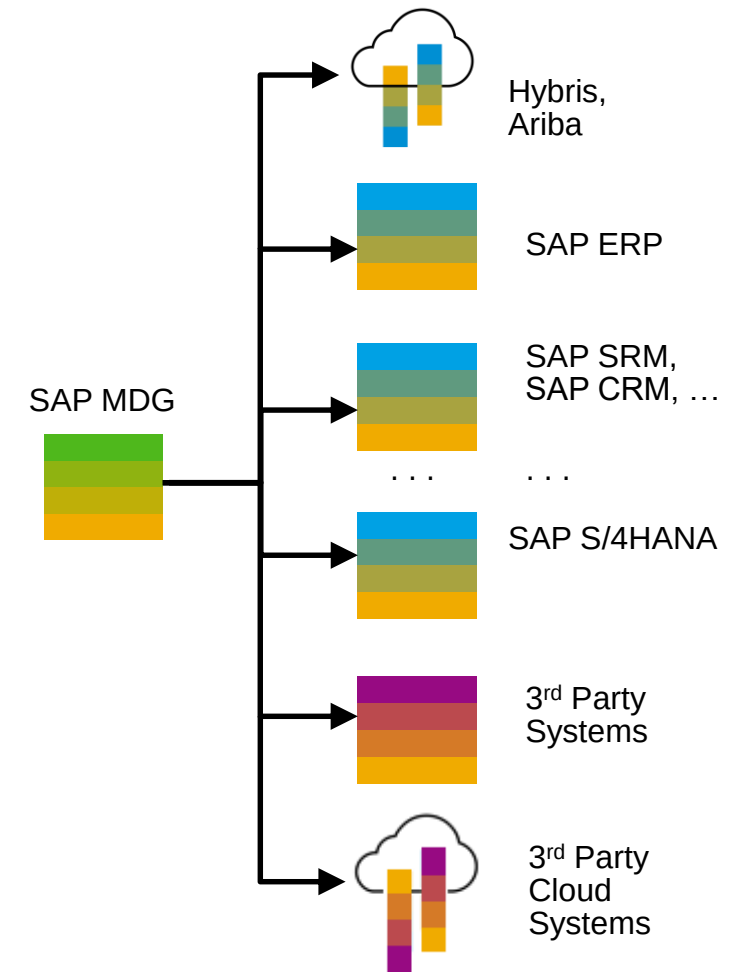
- Distribute or consolidate master data across all systems in the landscape: for example SAP Business Suite systems, SAP S/4HANA systems, other SAP and non-SAP systems...

Integration with SAP S/4HANA is available today

- SAP S/4HANA can be a distribution target for SAP Master Data Governance
- Central Finance can leverage MDG's centralized master data & key mapping for aligned postings
- SAP Master Data Governance can be co-deployed on SAP S/4HANA on premise
- Simplified versions of Consolidation, Mass Processing and Master Data Quality Remediation available for public cloud consumption in SAP S/4HANA Cloud

Preparing for a move to SAP S/4HANA

- SAP Master Data Governance is a good way to get experience with a controlled subset of SAP S/4HANA before a full blown implementation
- SAP Master Data Governance is a good way to ensure data quality and readiness before SAP S/4HANA implementation and reduce deployment risk.
- SAP Master Data Governance is a good way to establish strong governance processes that will help you maintain master data quality after SAP S/4HANA go live

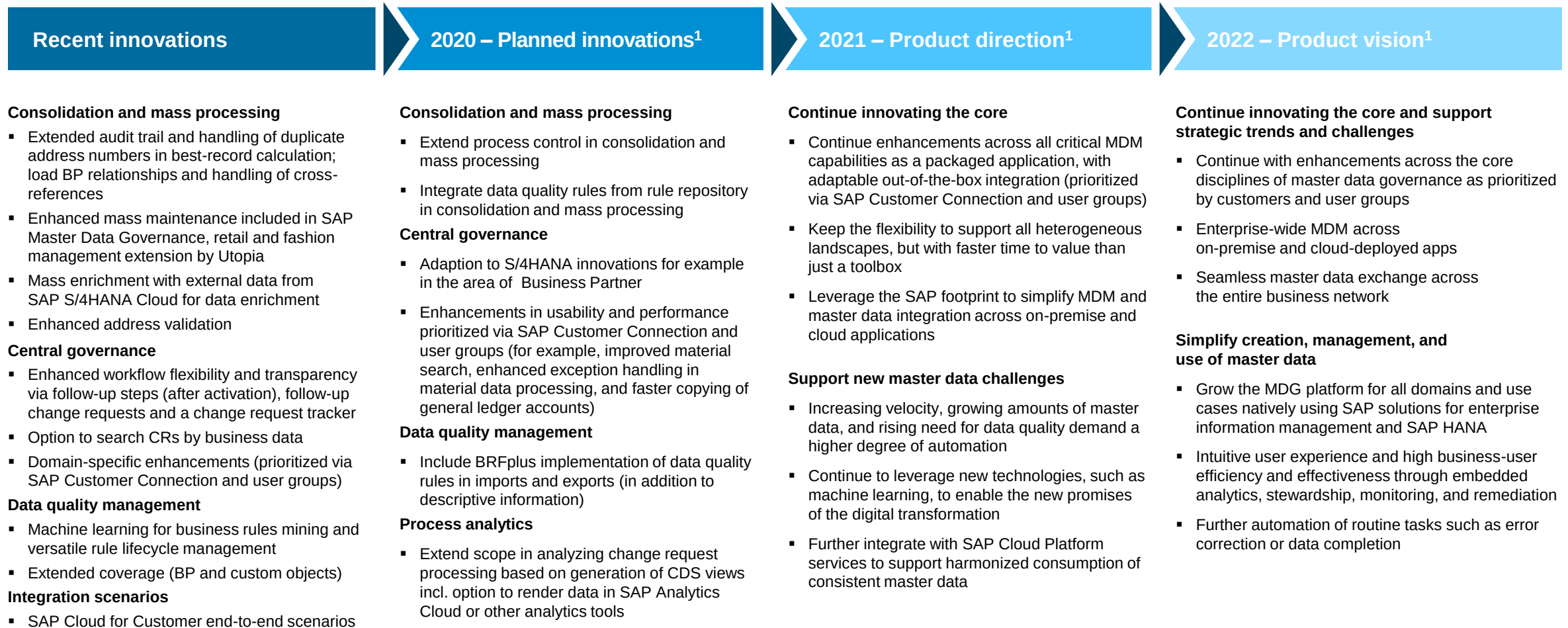


Remark:

SAP innovations in SAP MDG on S/4HANA are outpacing innovations in SAP MDG on ERP

SAP Master Data Governance on SAP S/4HANA

Product road map overview – Key innovations²

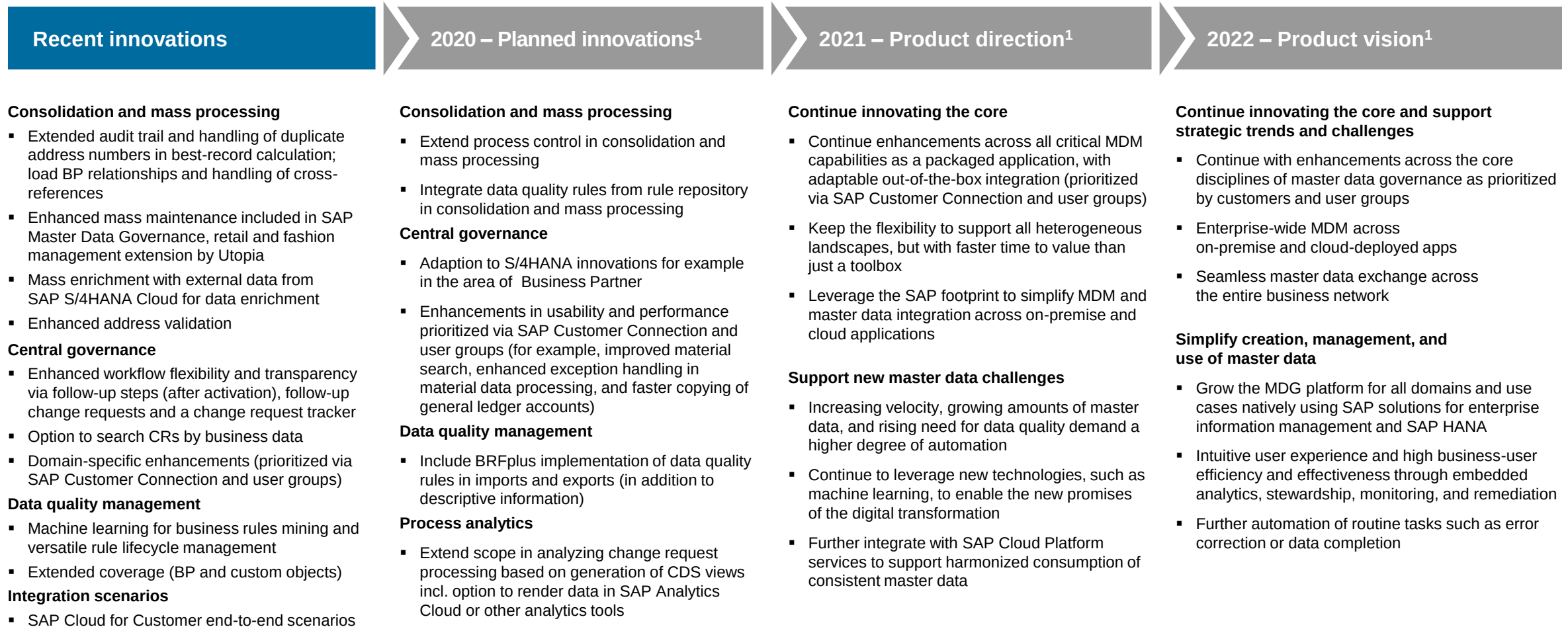


1. This is the current state of planning and may be changed by SAP at any time without notice.

2. Many key innovations only planned for SAP Master Data Governance on SAP S/4HANA – that is, they are not planned for SAP Master Data Governance (on SAP ERP 6.0)

SAP Master Data Governance on SAP S/4HANA

Product road map overview – Key innovations²



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2. Many key innovations only planned for SAP Master Data Governance on SAP S/4HANA – that is, they are not planned for SAP Master Data Governance (on SAP ERP 6.0)

SAP Master Data Governance on S/4HANA 1909: Recent innovations¹⁾

Master data excellence for the digital business

Comprehensive processes for the entire master data lifecycle, covering central governance and consolidation

Empowering business agility with data quality management, process analytics, and a consumer-grade user experience

Strong foundation for improved business efficiency and process flexibility, enabling simplification

Consolidation and mass processing*

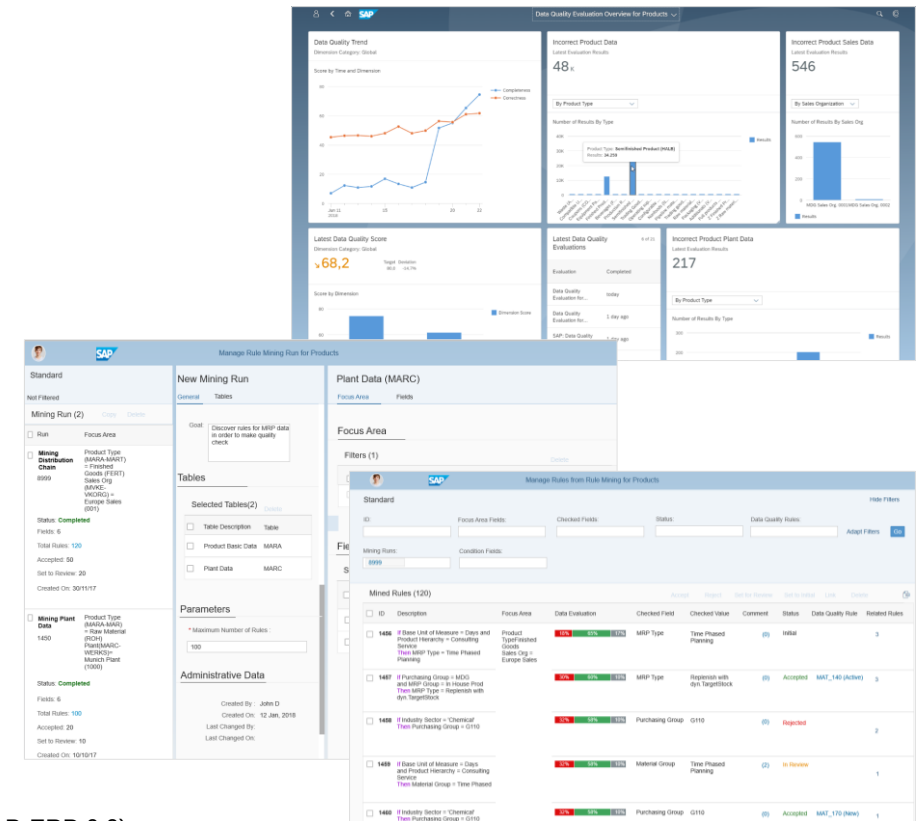
- Summary of changes after activation step; several data model extensions; support of compressed CSV files for import and export; handling of cross-references
- Enhanced mass maintenance included in SAP Master Data Governance, retail and fashion management extension by Utopia
- Mass enrichment with external data from SAP S/4HANA Cloud for data enrichment
- Enhanced address validation

Central governance

- Enhanced workflow flexibility and transparency via follow-up steps (after activation)*, follow-up change requests*, and a change request tracker
- Option to search change requests by business data
- Domain-specific enhancements (prioritized through SAP Customer Connection and SAP user groups)

Data quality management*

- Machine learning for business rules mining and versatile rule lifecycle mgmt.
- Extended coverage (business partner, customer, supplier, and custom objects)



1) All innovations provided in SAP MDG on SAP S/4HANA 1909, innovations marked by an asterisk not planned for SAP MDG (on SAP ERP 6.0)

Providing innovations to SAP MDG on SAP ERP 6.0

SAP innovations in SAP MDG on S/4HANA are outpacing innovations in SAP MDG on ERP

How can we provide innovations on ERP?

- Some S/4HANA innovations cannot be provided on ERP, because of differences in architecture
- Some innovations can only be provided in a release, and we currently do not plan to provide a new release for SAP MDG on ERP
- We do provide several innovations as SAP Notes for SAP MDG on ERP (even for releases as low as SAP MDG 8.0)

Consequence

- You might not need to upgrade your SAP MDG on ERP release to consume innovations provided via SAP Notes
- Not all innovations provided in SAP MDG on SAP S/4HANA 1909 will be available on ERP
- Start new MDG implementations on S/4HANA. If you are on ERP, plan for conversion in the future

Example: Innovations based on requests from the SAP MDG Customer Connection campaign for S/4HANA 1909:
<https://influence.sap.com/sap/ino/#/campaign/1422>

Delivered Improvement Requests (13)

JIRA <https://sapjira.wdf.sap.corp/secure/IssueHierarchyOverview!default.jspx?projectKey=MDGAISS41909>

ID	Title	Votes	Note/SP/Release	Lowest Releases
212430	MDG-BP: Improve error handling in the UI	16	SAP Note 2765664 ^(*)	From S/4HANA 1511 and from MDG 8.0
212427	Workflow Tracker	13	SAP Note 2765664 ^(*)	From S/4HANA 1511 and from MDG 8.0
213153	Google like search in MDG	9	Extensibility Page	How-To Guide Enterprise Search in MDG
212952	MDG: Out of the box application to search CRs by business data	9	SAP Note 2765664 ^(*)	From S/4HANA 1511 and from MDG 8.0
213267	Product master data objects creation with workflow and monitoring	9	Release	S/4HANA 1909 ^(*)
213091	Mass approve/decline of CRs	8	Extensibility Page	How-To Guide Mass Approval
213216	Auto-resizing of columns in the MDG Duplicate pop-up screen	7	SAP Note 2667744	From S/4HANA 1511 and from MDG 6.1
213090	End of Workflow	7	SAP Note 2765664 ^(*)	From S/4HANA 1511 and from MDG 8.0
213554	Pre-set data model in role menu	7	SAP Note 2765664 ^(*)	From S/4HANA 1511 and from MDG 8.0
212429	MDG-BP: Enhanced BP Blocking for Multi Address Assignments	6	SAP Note 2678595	From S/4HANA 1809
212950	MDG-M: Add missing material master data fields to complete MDG-M data model	6	Release	S/4HANA 1909 ^(*)
212426	Consolidation: Review UI for Validations (e.g. Review of Address Validations)	5	Release	S/4HANA 1909 ^(*)
212940	MDG-M: Price Unit should be editable via MDG-M	5	SAP Note 2765664 ^(*)	From S/4HANA 1511 and from MDG 8.0

^(*) individual release dates or support packages

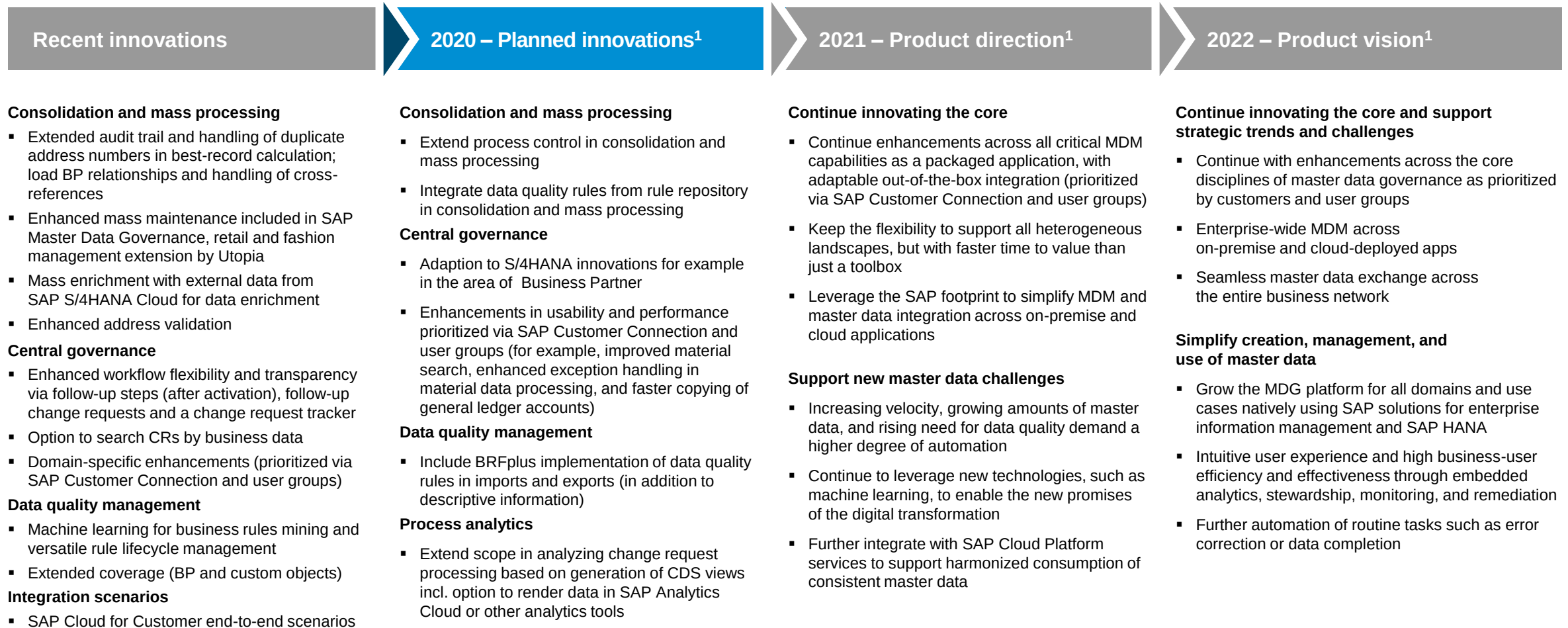
^(*) planned release date Q4/2019

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SAP Master Data Governance on SAP S/4HANA

Product road map overview – Key innovations²



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2. Many key innovations only planned for SAP Master Data Governance on SAP S/4HANA – that is, they are not planned for SAP Master Data Governance (on SAP ERP 6.0)

SAP Master Data Governance – 2020 Planned innovations

Master data excellence for the digital business

Comprehensive processes for the entire master data lifecycle, covering central governance and consolidation

Empowering business agility with data quality management, process analytics, and a consumer-grade user experience

Strong foundation for improved business efficiency and process flexibility, enabling simplification

Consolidation and mass processing

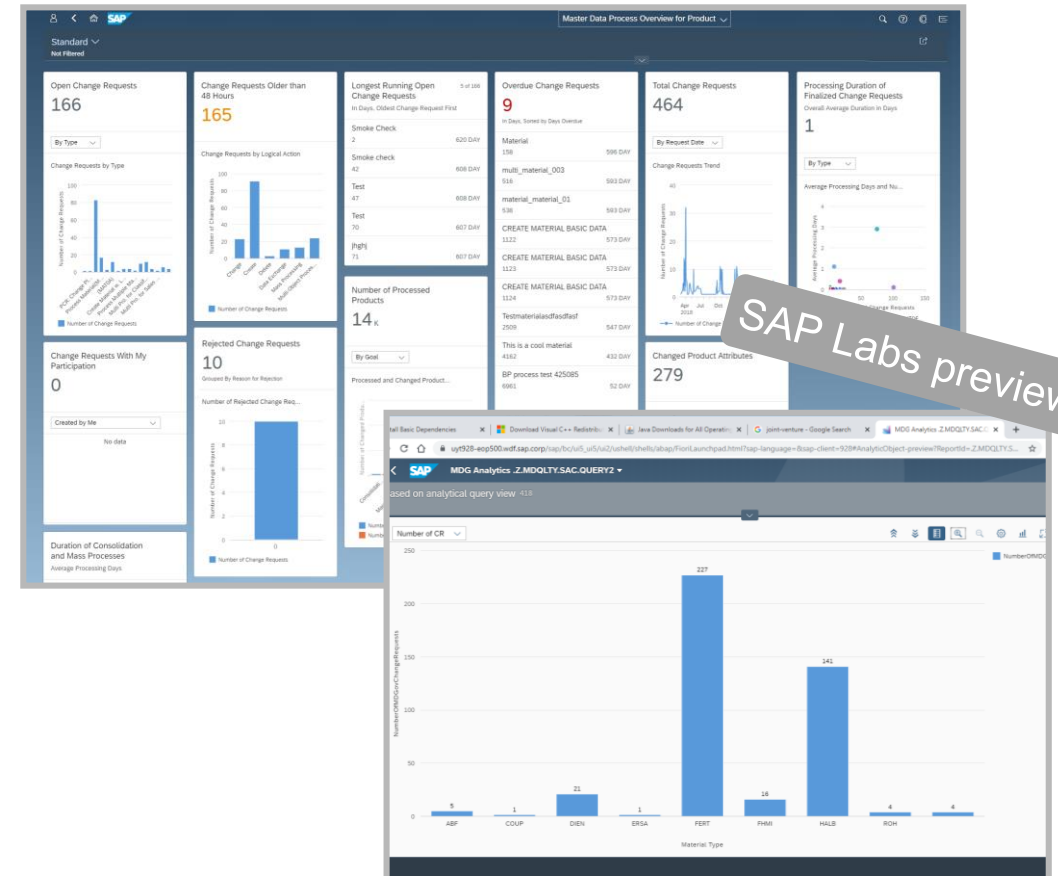
- Extended and more strict 4-eyes principle (two-man rule) and more detailed authorization concept on process step-level
- Improved determination of a best record in the matching step
- Integrate data quality rules from rule repository in consolidation and mass processing

Central master data governance

- Adaption to S/4HANA innovations, for example in the area of Business Partner
- Usability and performance enhancements prioritized via SAP Customer Connection and user groups (e.g., improved material search, enhanced exception handling in material data processing, and faster copying of general ledger accounts)

Data quality management and process analytics

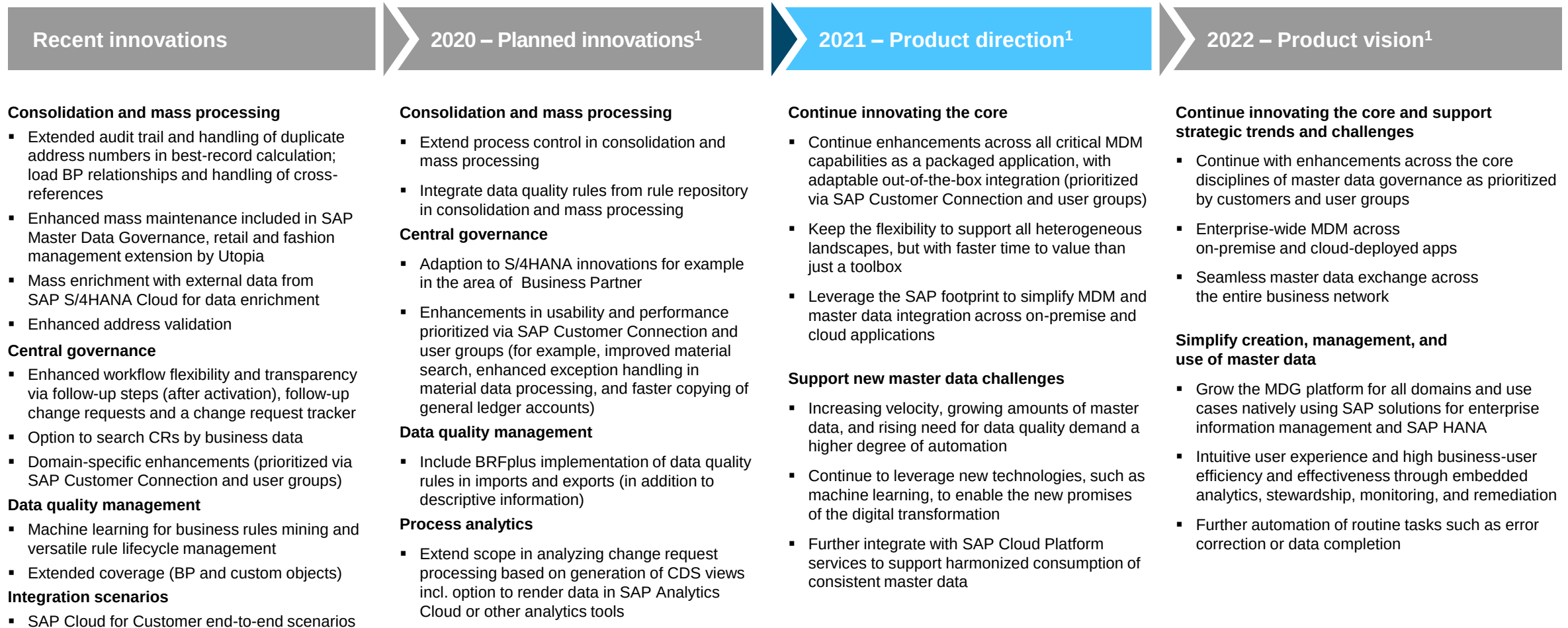
- Data quality mgmt.: enhanced export & import incl. BRFplus implementation and evaluation results on company code level for customers and suppliers
- Extend scope in process analytics based on generation of CDS views incl. option to render data in SAP Analytics Cloud or other analytics tools



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SAP Master Data Governance on SAP S/4HANA

Product road map overview – Key innovations²



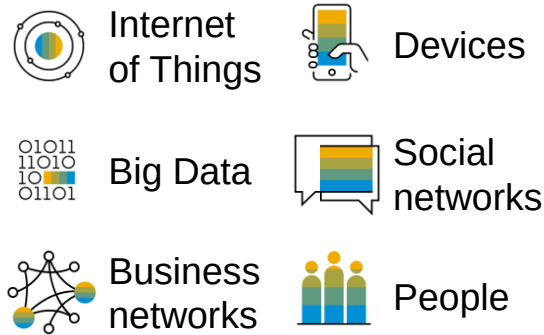
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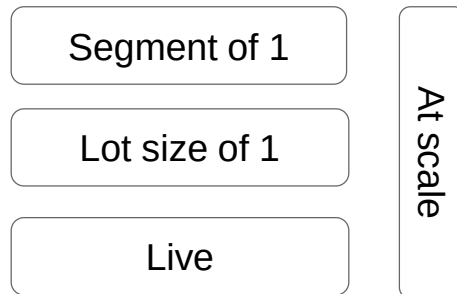
SAP Master Data Governance

Major product trends or direction update: Master data for the intelligent enterprise

Digital economy



Digital transformation



Key impact on master data (mgmt.)

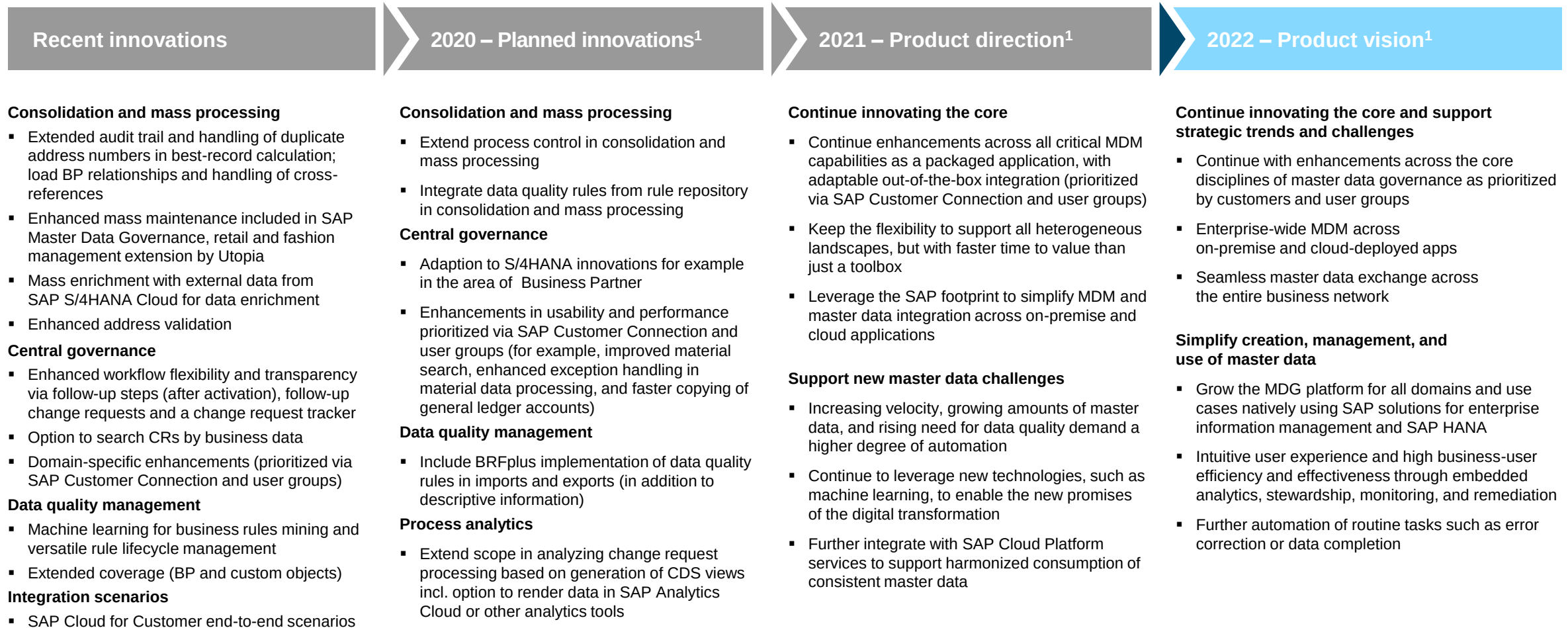
- **Individualized products and services** to cover the individual needs of the customer or consumer lead to **larger master data amounts**
- Scalable, efficient processes and higher degree of automation **require increased quality of master data** across the enterprise
- **More master data** is required in **even higher quality**: To enable the digitalization and automation of business processes

Product direction

- Continue to **support all critical** MDM capabilities in **one single application**
- Leverage **SAP's footprint** in apps, analytics, and business networks to **simplify** MDM and **integration** across on-premise and cloud applications
- **Support new master data challenges** for increased velocity and master data amounts
- Companies **cannot** increase the **manual effort** they put into MDM to achieve higher quality on larger amounts of master data
- **Leverage new technologies**, such as machine learning for increased **intelligence and automation** in master data handling

SAP Master Data Governance on SAP S/4HANA

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SAP Master Data Governance

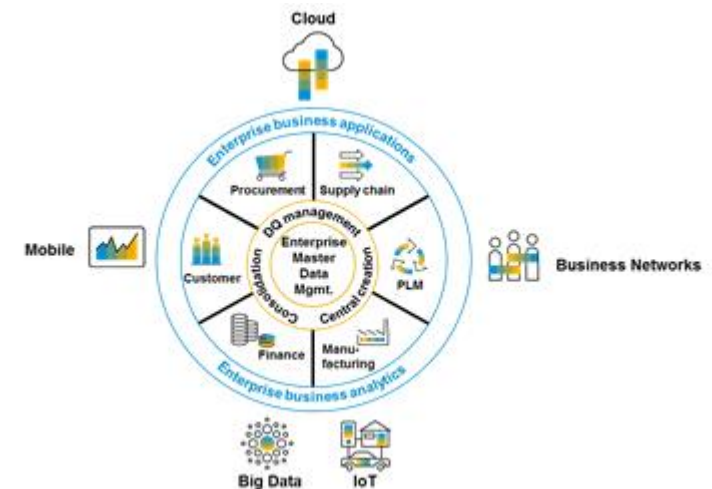
Areas of future investment to support high-quality master data for every use case

Support current and future strategic trends

- Enterprise-wide master data management across heterogeneous landscapes with applications deployed on premise or in the cloud
- Smooth exchange of master data across the entire business network value chain
- Support master data for comprehensive IoT or Big Data solutions spanning devices, platforms, and applications
- Mobile capabilities that are fully integrated into back-end systems

Simplify the creation, management, and use of master data

- One platform supporting all domains, styles, and use cases available on premise or in the cloud, natively using SAP's information management portfolio and SAP HANA
- Intuitive user experience and high efficiency through business-oriented interfaces, flexible workflow, and integration of content and context
- Embedded analytics and stewardship capabilities for improved master data quality through monitoring, root-cause analysis, and remediation
- Automation using machine learning for things such as error detection and correction, completion of missing attributes, entity resolution, rule detection, and more



SAP Master Data Governance and cloud consumption models

“MDM for the cloud” available today, evolving MDM services and networks in the cloud

Enterprise master data is part of companies’ Digital Core

SAP MDG is offered on premise and in the private cloud, today

In the future, we plan to leverage SAP S/4HANA Cloud and SAP Cloud Platform as the platform to extend MDM scenarios for consumption in the public cloud

Master Data Management support for cloud applications

SAP MDG customers synchronize master data between all cloud and on premise applications, today

SAP provides cloud-based data integration and data quality capabilities

Advanced local master data maintenance in SAP S/4HANA Cloud, like e.g. business partner data enrichment, or re-use of MDG code for mass maintenance...

Leveraging Micro Services and Business Networks

SAP Data Quality Management, microservice, Identity-as-a-Service, ...

SAP Asset Intelligence Network, SAP Ariba, SAP Hybris, ...

SAP Cloud Platform-based microservices planned as an alternative way to synchronize between SAP MDG and any public cloud application (SOAP & ODATA)



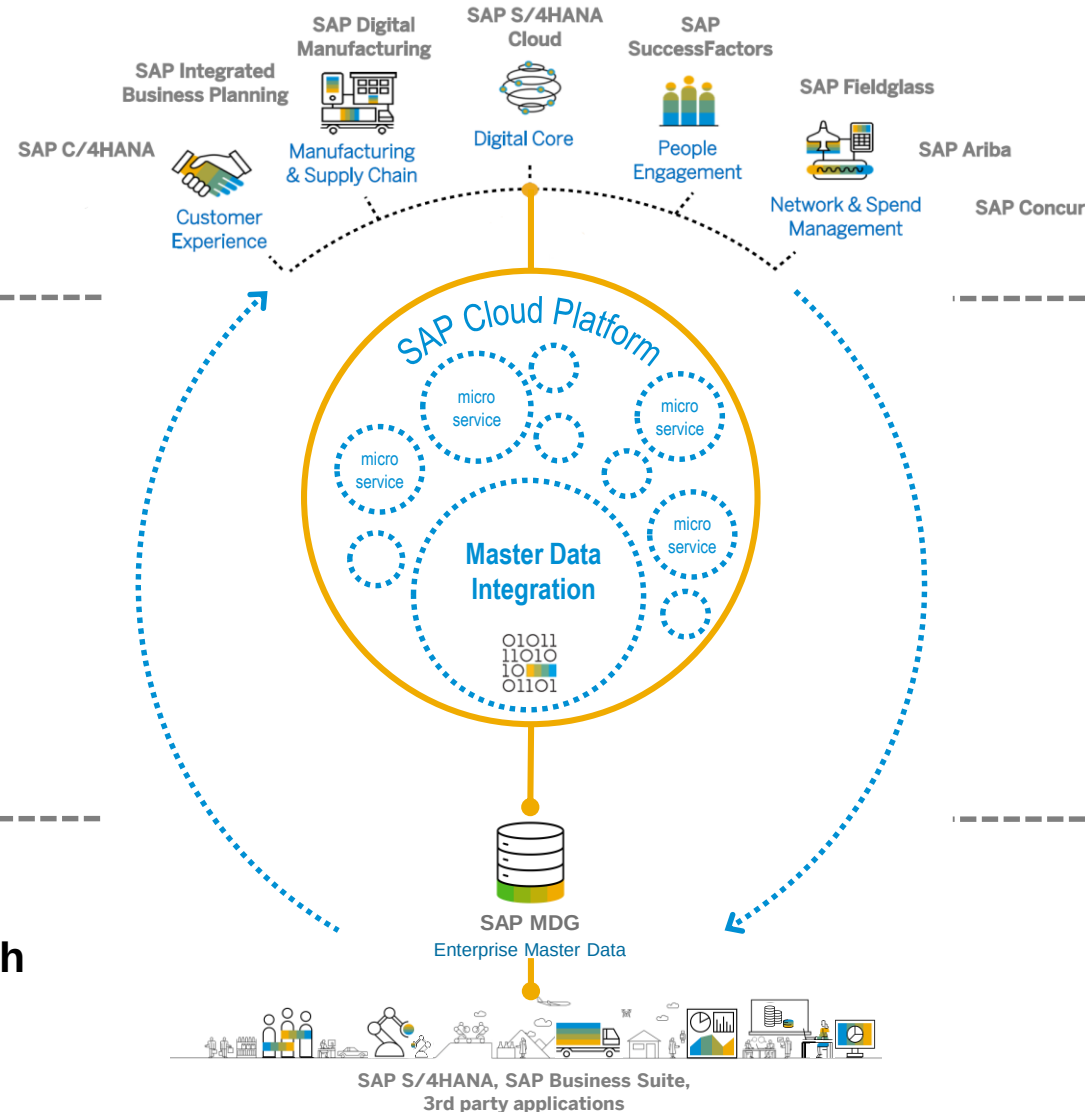
Cloud-based master data sharing in context of enterprise master data

Apply Master Data capabilities along the business use cases

Demand-driven **master data consumption** by cloud applications

Master data services on SAP Cloud Platform for **flexible master data sharing**

SAP Master Data Governance for providing **trusted master data in high quality** into all business processes across the landscape



Benefits and value-add

- ◆ Modular and easily scalable
- ◆ Potential reuse of master data in custom built apps without own persistency
- ◆ Scalable access to master data for all cloud applications
- ◆ CRUD services, federation and replication (OData/SOAP) for reuse by cloud applications
- ◆ Cross-application consistency and linking of master data by key mapping
- ◆ Ensuring sustained master data quality for the whole enterprise

Master Data Integration vs. Master Data Management

Master Data Service

Master Data **Integration**

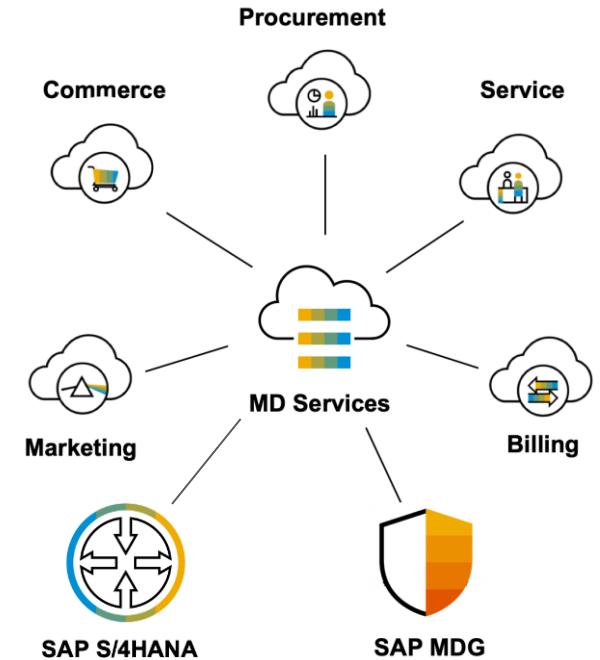
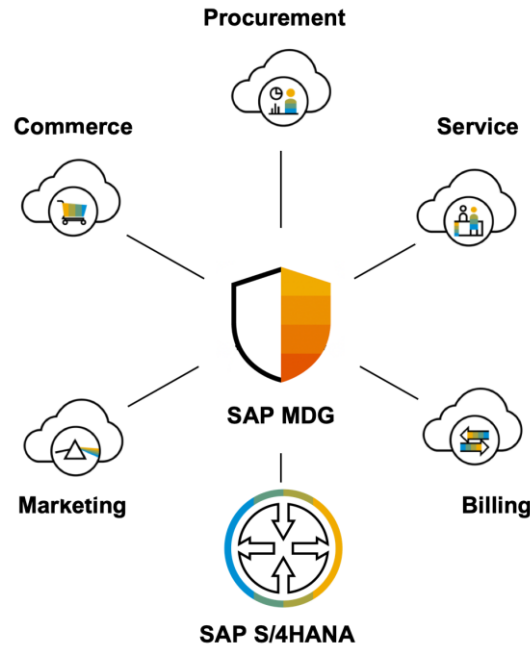
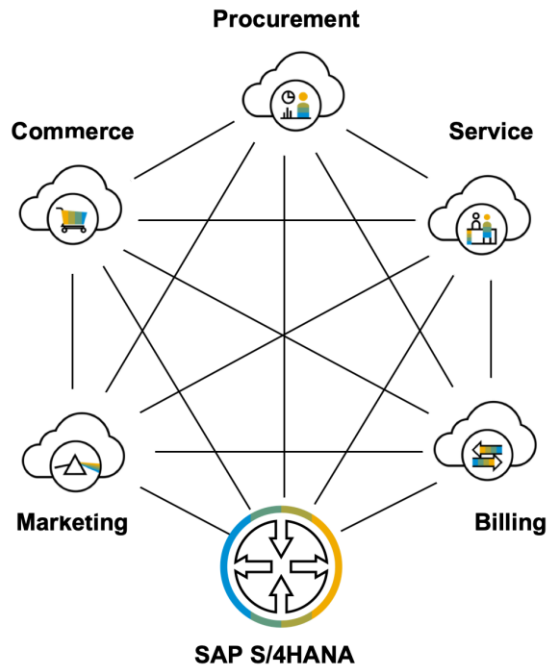
SAP Cloud Platform Services as a central access layer
for master data sharing and distribution

Master Data Governance

Master Data **Management**

SAP Master Data Governance for
enterprise-wide master data management processes

Evolution of Master Data Integration



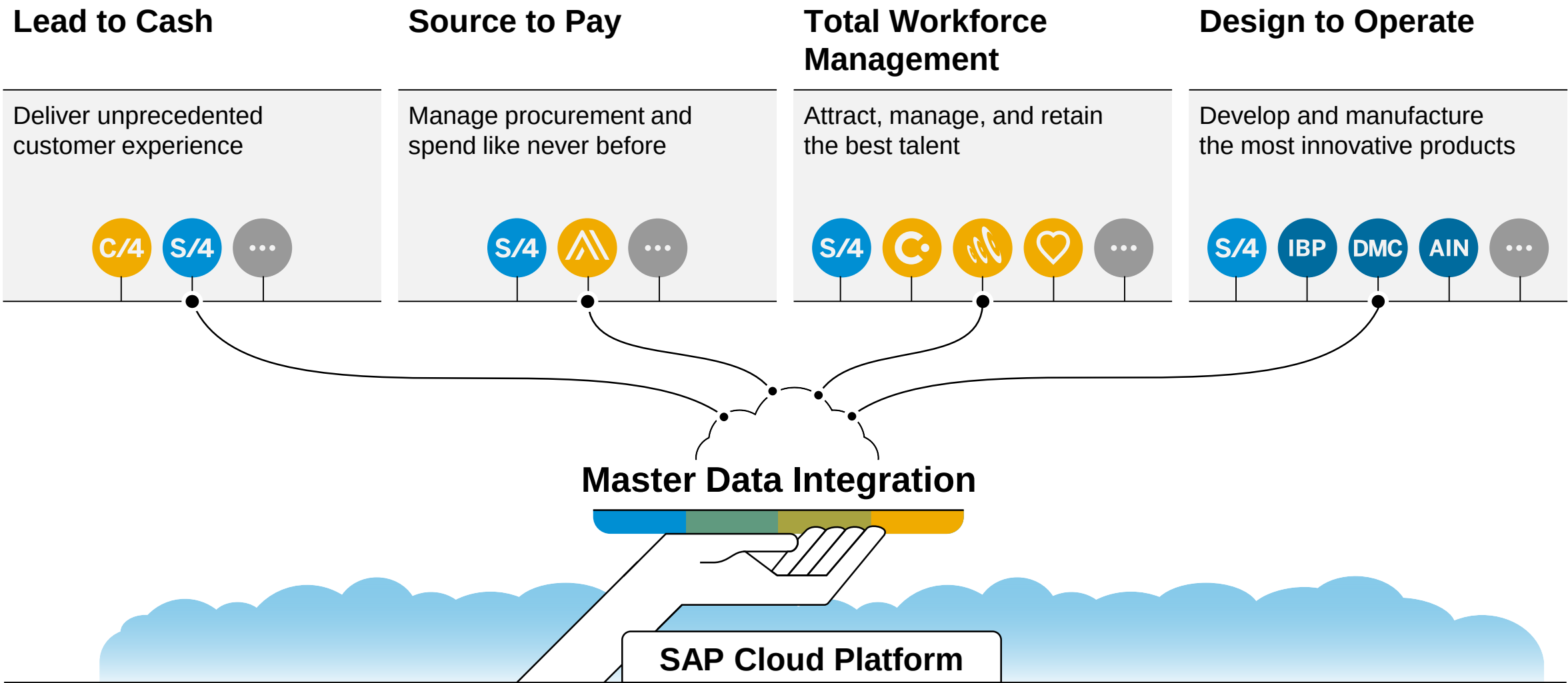
SAP Master Data Governance for
both: integration & management

Master Data Services on SAP
Cloud Platform for master data
integration

SAP Master Data Governance
for master data management

SAP Cloud Platform Master Data Integration

Goal: ensure a consistent view on master data



Domain Model Alignment

Create One Domain Model for all of SAP

Motivation

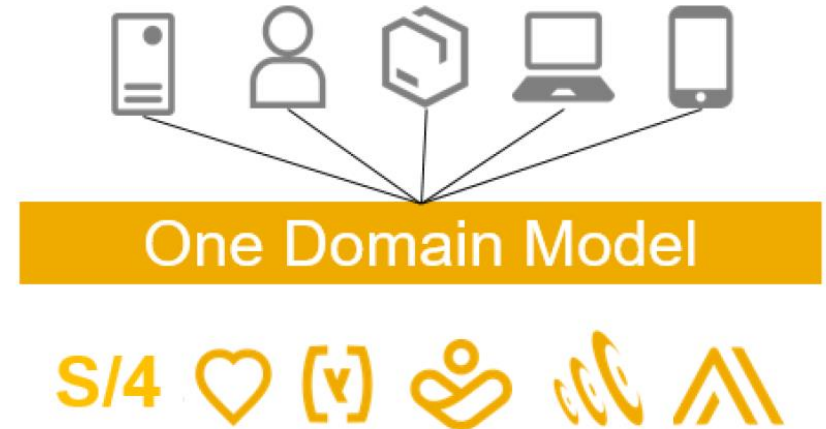
Aligned domain models are an enabler for consistent APIs and reduced dependency on middleware to translate data structures and values.

Vision

Creation of aligned data models for all key domains throughout most of the SAP applications and processes

User Story

Users will find support on Domain Model Alignment (DMA) and initiate the alignment of data objects that are relevant in an integration scenario.



SAP One Domain Model

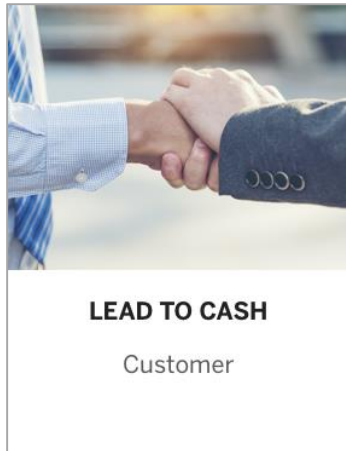


Define the language applications use to communicate with each other



Lower integration efforts due to aligned objects used across products

Roadmap for SAP One Domain Model



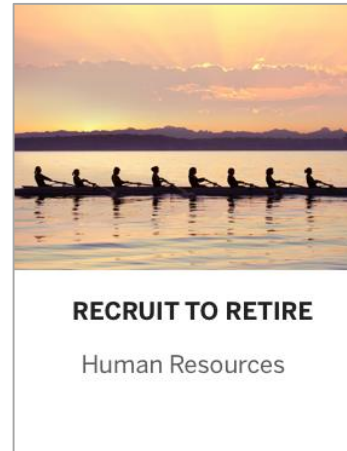
Q4/20*

Customer
Product **



Q4/20*

Product
Supplier **



Q3/20*

Work Assignment
Workforce Person
Cost Center **



Q2/21*

Customer
Product
Supplier
Asset **

High-Level Objectives 2020

- Aligned domain models released to customers with end-to-end integration for at least one business process, according to above roadmap
- 20 domains published in status “Beta” (tested against a business process and with SAP Graph or SAP Cloud Platform Master Data Integration)
- 50+ domains published in status “Alpha” (to gather customer feedback as an outside-in perspective)

*Roadmap for SAP Cloud applications

**Further entities to follow in subsequent waves

Summary

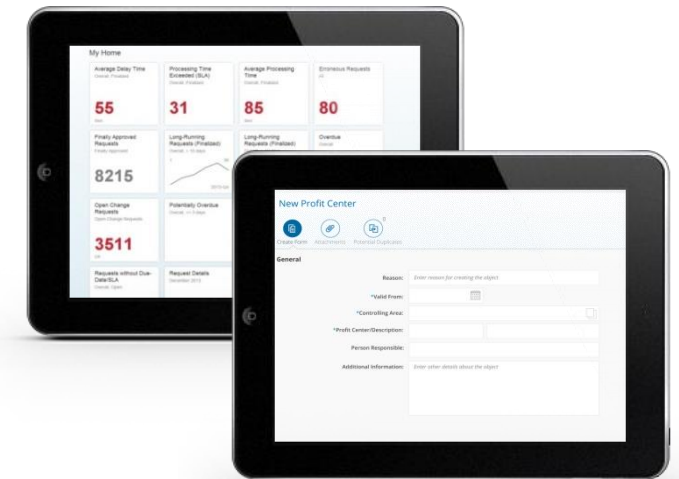
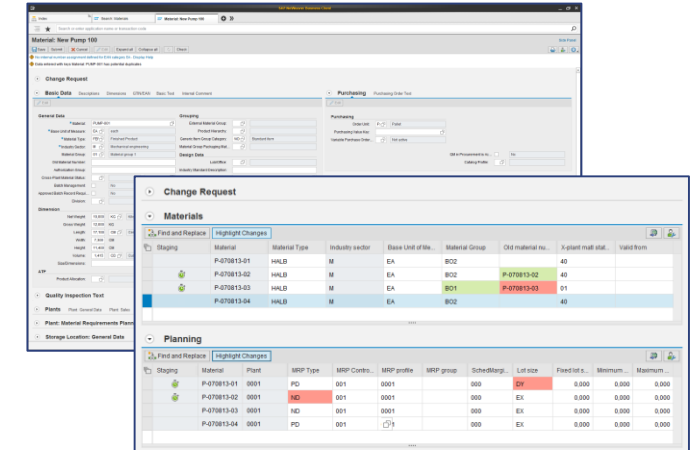
SAP Master Data Governance (MDG): the efficient way towards consistent and high quality master data – the foundation of your Digital Business

SAP MDG is the one single application that provides preconfigured, domain-specific master data governance as well as a flexible framework for custom data models and processes. This allows to de-centrally manage and consolidate, or centrally manage and provide all master data for your company's complete system landscape.

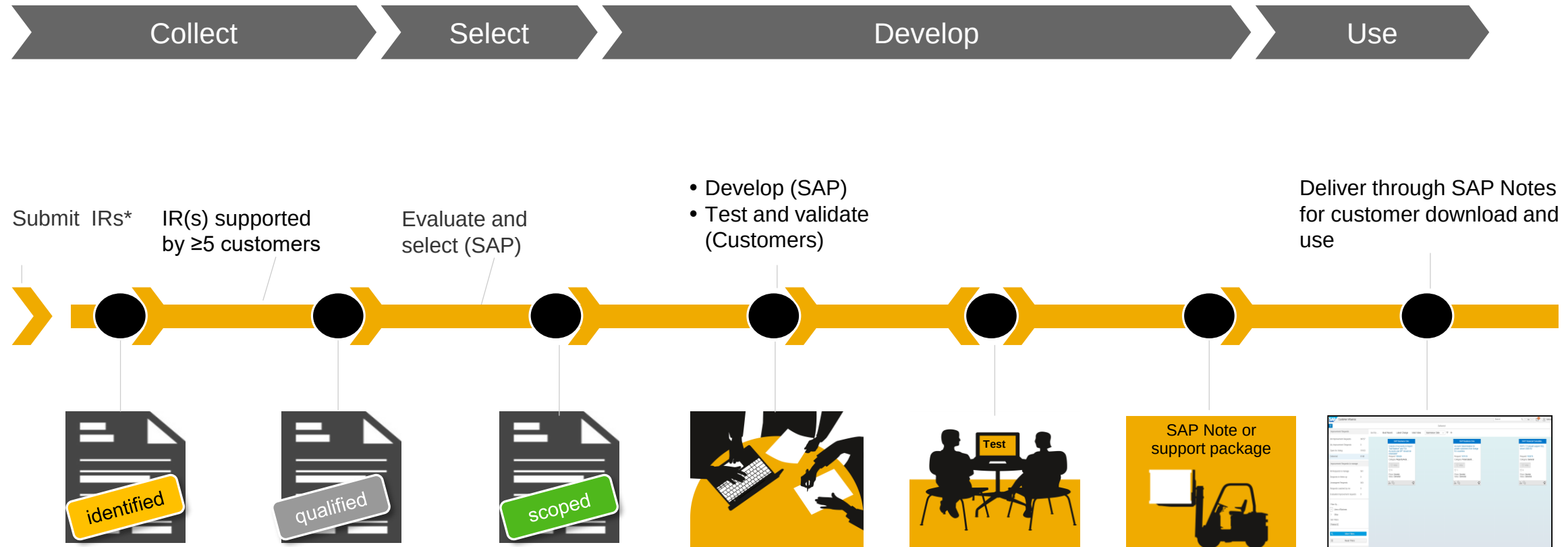
The clean master data from SAP MDG enables you to accelerate your enterprise software journey, and to enable new digital business models. For example...

- ... SAP MDG supports your system landscape simplification and move to the cloud with synchronized master data across on-premise and on-demand applications
- ... Leverage SAP MDG's harmonized master data and SAP's platform capabilities to connect transactional and IoT or other big data, and derive real business value
- ... Mobilize your business with simplified master data access and efficient scenarios for request, approval, or to monitor KPIs and trends
- ... MDG can support your SAP S/4HANA move: get experience with a controlled subset, ensure master data quality before the implementation and maintain quality after go live

SAP has started to ease master data integration for the Intelligent Enterprise, this will be complementing master data management provided through SAP MDG.



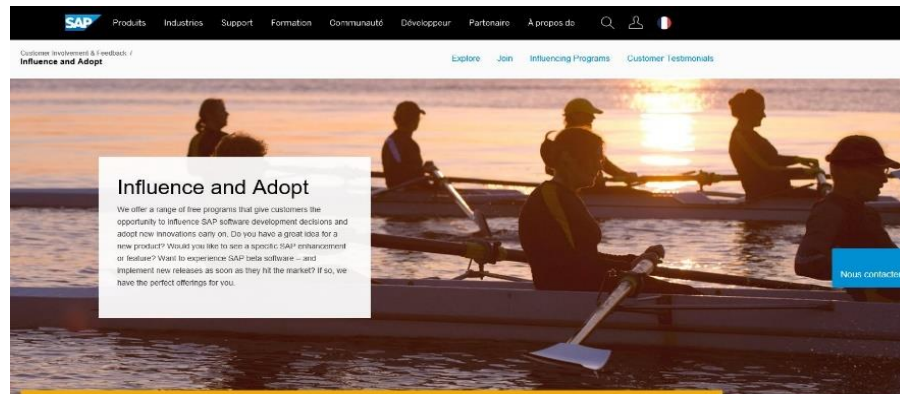
Customer Connection – From idea to delivery



*Improvement Request(s)

Customer Connection – Tool framework

Contribute & Influence



Explore our existing opportunities

The Customer Influence site is the central hub for your software influence and beta testing opportunities. Projects are grouped by line of business, industry, or product category. The activities within the projects range from short to long-term – and include idea submission, beta test participation, customer collaboration, and more. Login required.

[Learn more about our Customer Influence programs](#)



Customer Influence site
<http://influence.sap.com>

- Submit, support & prioritize improvement requests interactively
- Exchange with other customers, get their support, broaden your network

Benefit & Use

SAP Customer Engagement Initiative	SAP Beta Testing	SAP Early Adopter Care	SAP Customer Connection	SAP Continuous Influence
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Collaborate to improve on-premise software in maintenance

SAP Customer Connection enables you to incrementally improve the on-premise products and solutions in maintenance you are using today. Typically initiated by SAP User Groups and special interest groups, the program's focus topics are of limited duration and often focus on a version, component, or audience of a product. Improvements are mostly delivered in SAP Notes or the SAP Support Portal for easier consumption.



- ✓ Fine-tune your SAP products and solutions – and influence SAP direction to benefit your organization
- ✓ Collaborate with SAP on improvement projects – organized by defined focus topics
- ✓ Get quick-to-adopt, non-disruptive enhancements delivered via SAP Notes and support packages

[Log in to view current focus topics](#)

[View all delivered improvements](#)

[Contact us for more information](#)

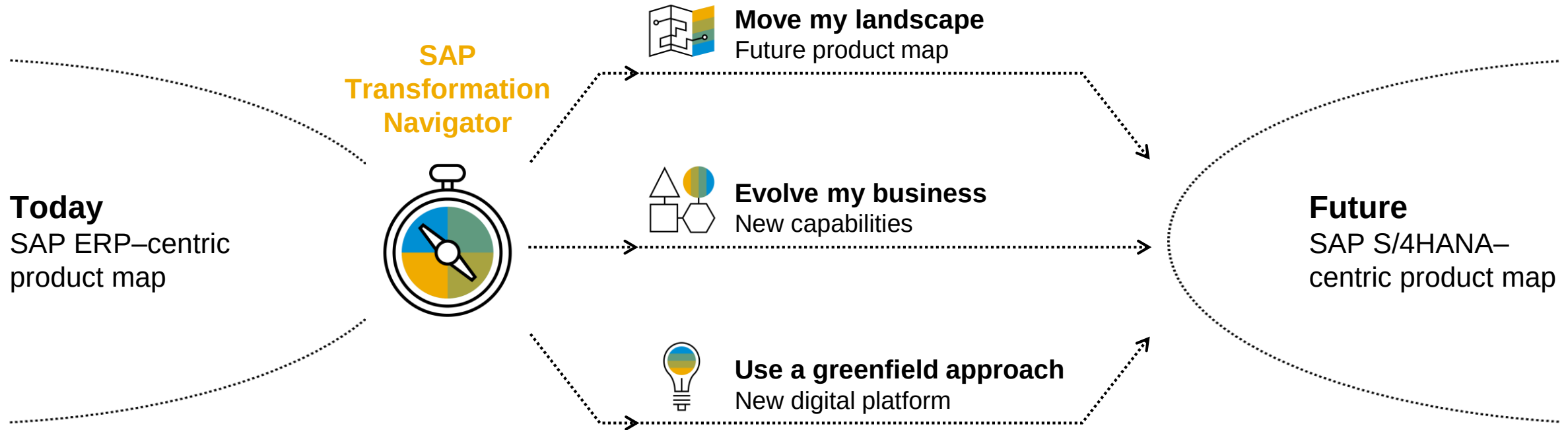


Customer Influence site
<http://influence.sap.com/deliveries>

- Look up & find available improvements in your SAP products & solutions of today
- Use established maintenance processes (SAP Notes, SAP Support Packages)

SAP Transformation Navigator

Supporting your digital transformation



SAP Transformation Navigator provides you with clear guidance to chart the Intelligent Enterprise:

- Based on your currently used products, this free self-service produces an individualized report highlighting business value, detailing integration to SAP S/4HANA and other cloud products, and explaining transformation services and license information.
- With the new time-slider feature, you can even identify the best point in time to engage in your journey to becoming an intelligent enterprise.
- Discover the tool and your transformation path at <https://support.sap.com/stn>.

Learn more

SAP customers and partners

- ▶ [SAP Road Maps](#)
- ▶ [SAP Community](#)
- ▶ [IT Planning Resources](#)
- ▶ [Innovation Discovery](#)
- ▶ [SAP Transformation Navigator](#)
- ▶ [SAP User Groups](#)
- ▶ [SAP Customer Connection](#)
- ▶ [SAP Master Data Governance in Our Public Web](#)
- ▶ [SAP Master Data Governance in SAP Community](#)
- ▶ [SAP MDG on SAP S/4HANA Product Assistance / SAP Master Data Governance Application Help](#)
- ▶ [Education for SAP Master Data Governance / SAP MDG Consultant Certification](#)



Thank you!

Questions?



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