Standard data modeling approach
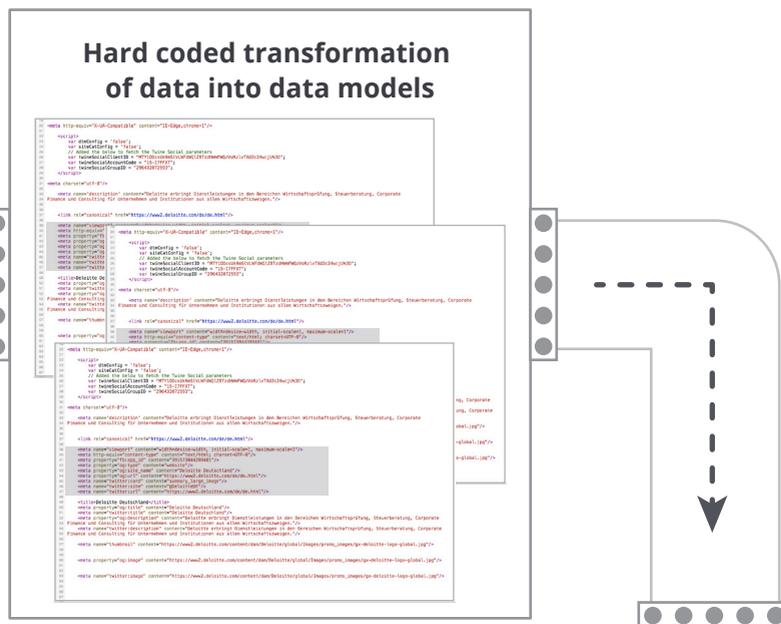
Limitations for business transformation

- One separate data model and set of dashboards per sub-process

- Manual integration of new data sources or changes in data structure

- Licensing based on the number of data models

Hard coded transformation of data into data models

Separate data model (and license) per subprocess

Procurement	Warehouse	Accounting

Center of Process Bionics

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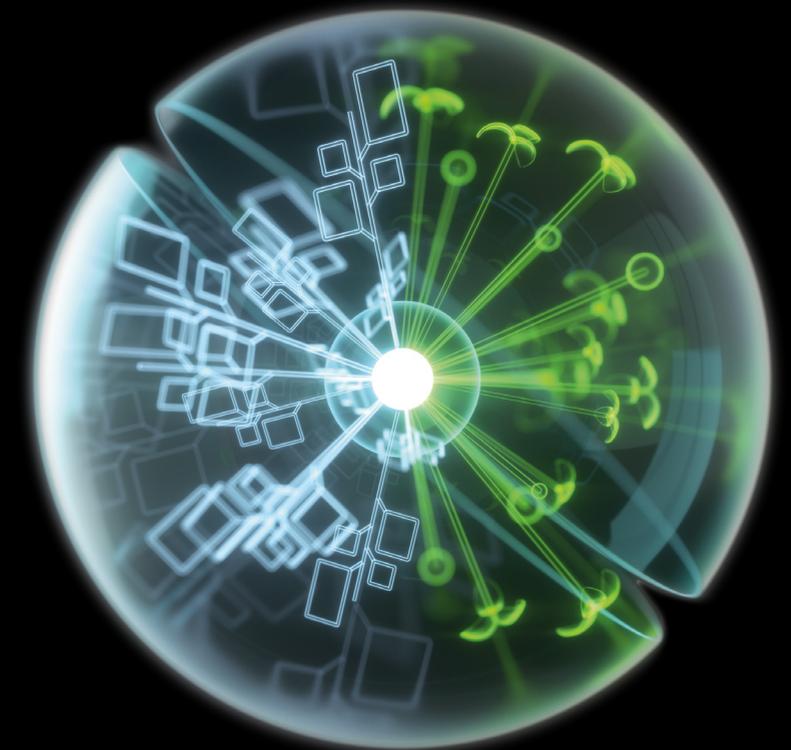rwiesmann@deloitte.de

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Process Bionics at Scale
Reaching tangible impact more efficiently

Challenges for Process Mining at scale

Heterogeneous source data

SAP Ariba
Microsoft Dynamics
ORACLE
SAP
salesforce
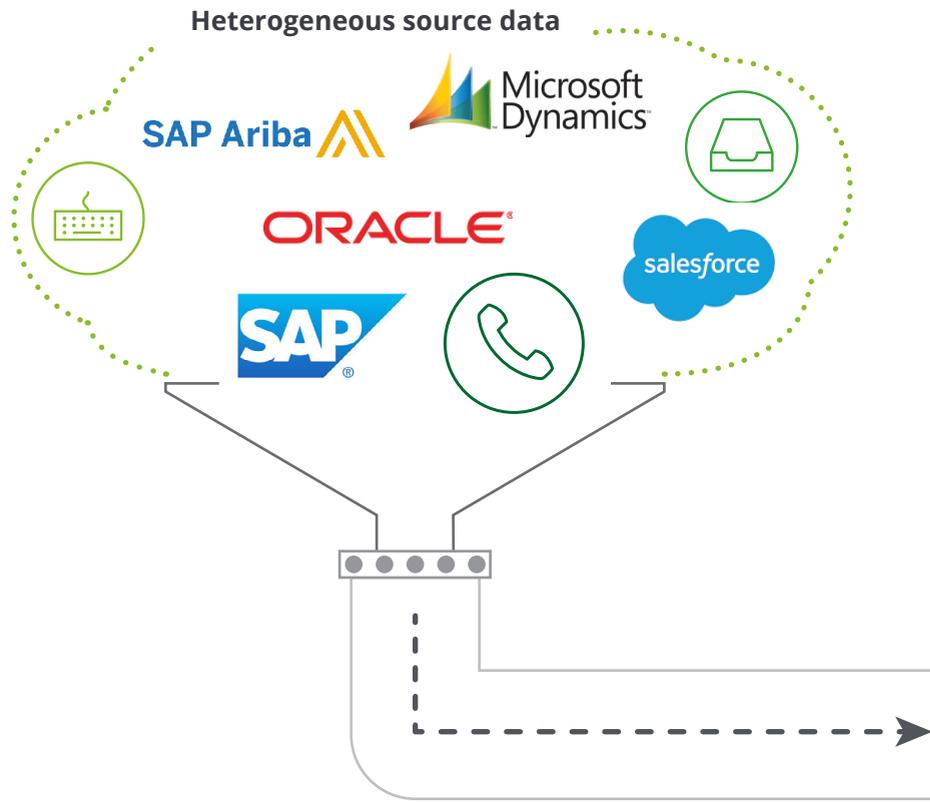
End-to-end processes often span multiple source systems and time zones

Most landscapes include proprietary components (configuration, tables, systems)

Multiple languages are used in meta information and transactional data

System usage and corresponding data traces vary amongst operational teams

Process KPIs are not harmonized across business units and regions

Deloitte Process Mining Framework

Benefits for technical implementation

Configurable modular structure maximizes re-use and flexibility, while ensuring corporate level scalability

Proven modelling methodology minimizes effort for data modelling, maintenance and enhancements

Optimized processing pipelines allow high speed data refresh even with large data sets

Deloitte Process Mining Framework
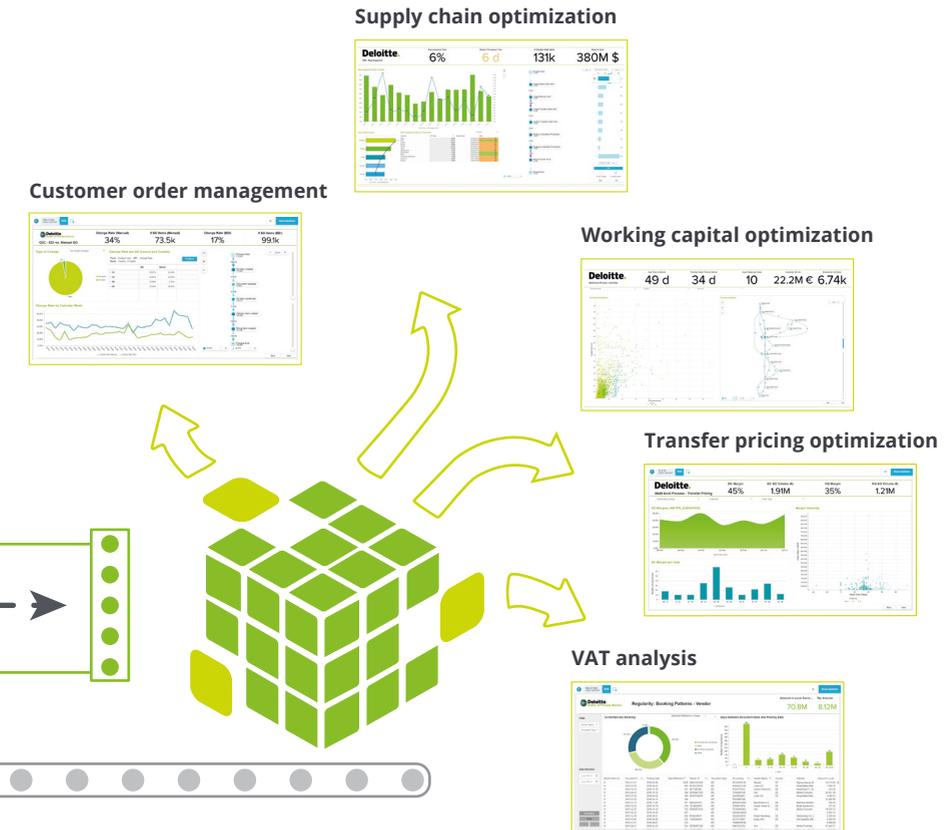
Pre-Processing
Staging
Mapping
Pruning
Event
BI
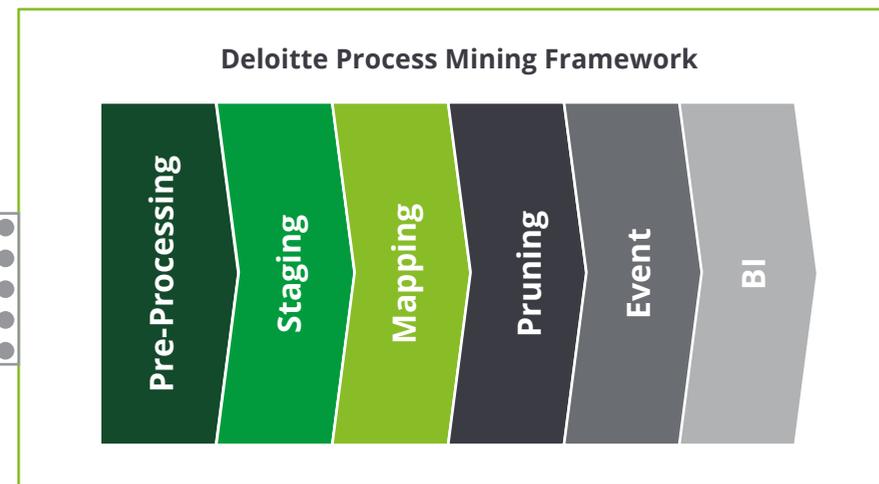
Benefits for business transformation

Multiple process anchors implicitly supported to create a real process twin without excluding incomplete process flows or special process types (e.g. FI-only procurement)

Advanced root-cause analysis through multi-dimensional meta data (covering all process related objects) and time-zone harmonization

Internal benchmarking enabled through harmonization of comparable processes

Deloitte Process Bionics AppStore

One data model for end-to-end transparency
(e.g. procurement, warehouse, accounting)

Supply chain optimization

Customer order management

Working capital optimization

Transfer pricing optimization

VAT analysis

Other use cases e.g. M&A carve-out, RPA, SAP Migration, ...

Repository of dashboards and back-end data models based on Deloitte Process Mining Framework (source system agnostic)

Proven hypothesis-driven analysis dashboards from different angles (e.g. intercompany end-to-end O2C process, credit risk, EDI, transfer pricing) for functional as well as cross-functional issues

Process analysis apps for Manufacturing, FSI, Life Science, Automotive and other industries