SAP Analytics Cloud
Data Preparation & Integration

Katharina Doerr, SAP Product Management Analytics
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THE BEST RUN SAP

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Agenda

Overview on connectivity and data preparation

Next steps

Sneak-preview demo

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One | Simple | Cloud

Business Intelligence	Planning	Predictive	Application Design
Data Preparation Storytelling	Sharing Simulation	Forecasting Automated Insights	Custom Apps SDK Extensions

Digital Boardroom	Mobile	SAP Analytics Hub

SAP Analytics Cloud

On Premise **Hybrid** **Cloud**

Unified experience for Planning, BI and Predictive all in one service
Live data **connectivity** enables SaaS for everyone
End-to-end analytics for the **Intelligent Enterprise**

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Data integration

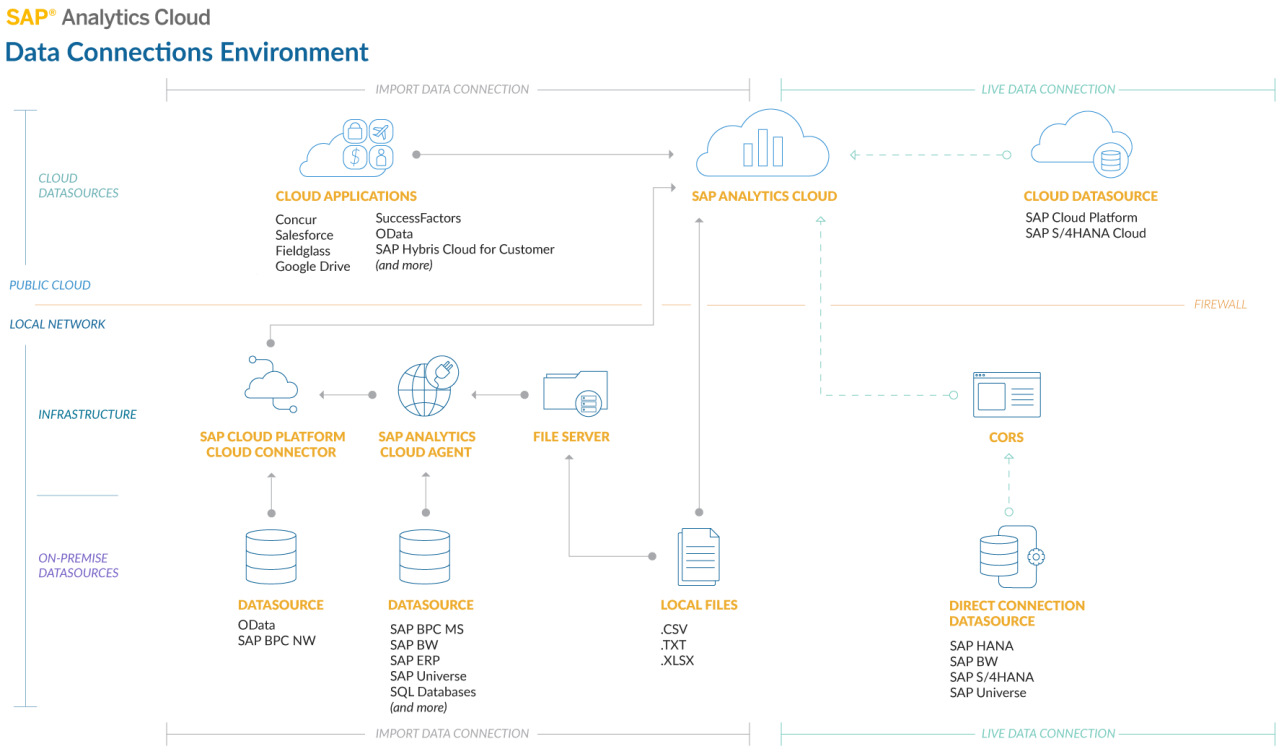
Connect to data anywhere stored in on-premise databases, cloud databases, and personal files. Enrich data and business metadata in preparation for self-service data analysis through purpose-built data modeling capabilities and calculations.

Live connections

- Data replication is not required
- Leverage business metadata directly without additional modeling
- Leverage existing security and data authorizations

Data import connections

- Business users can model data with Smart Data Preparation
- Easily create, track and reverse data transformations
- Refresh data on demand or via schedule



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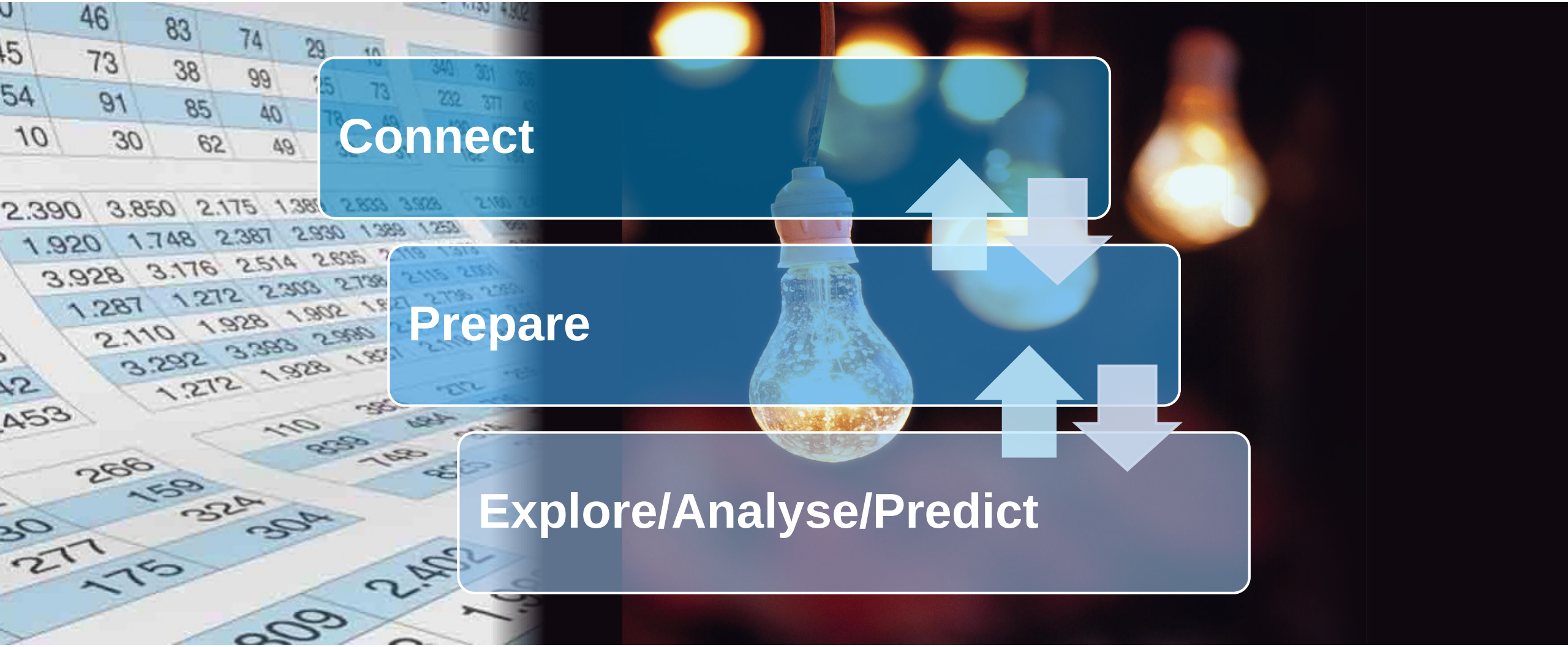
A frictionless, agile and repetitive process



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Connect

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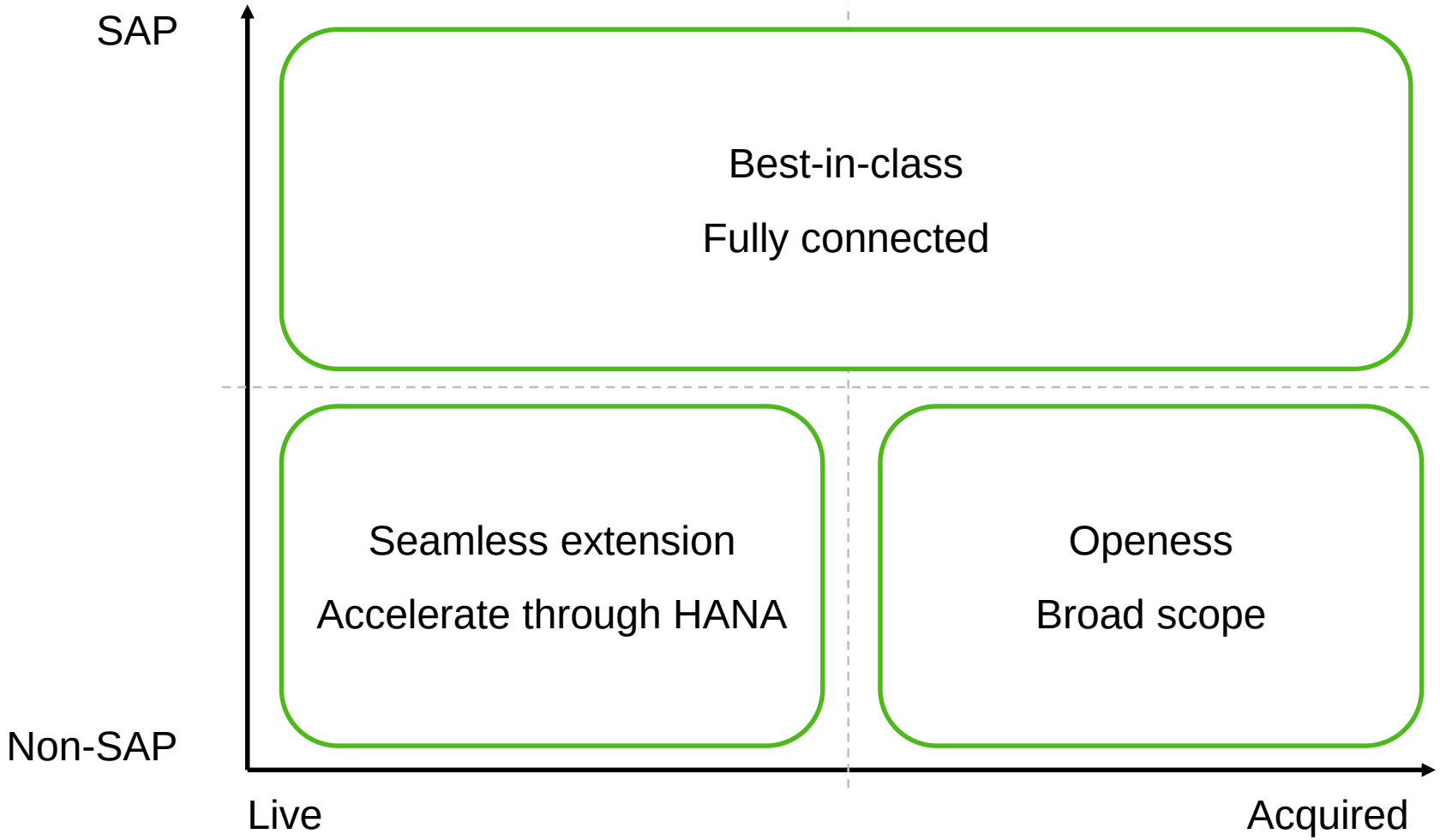
Connect



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Connect

Delivered Planned within the next 6 months

M

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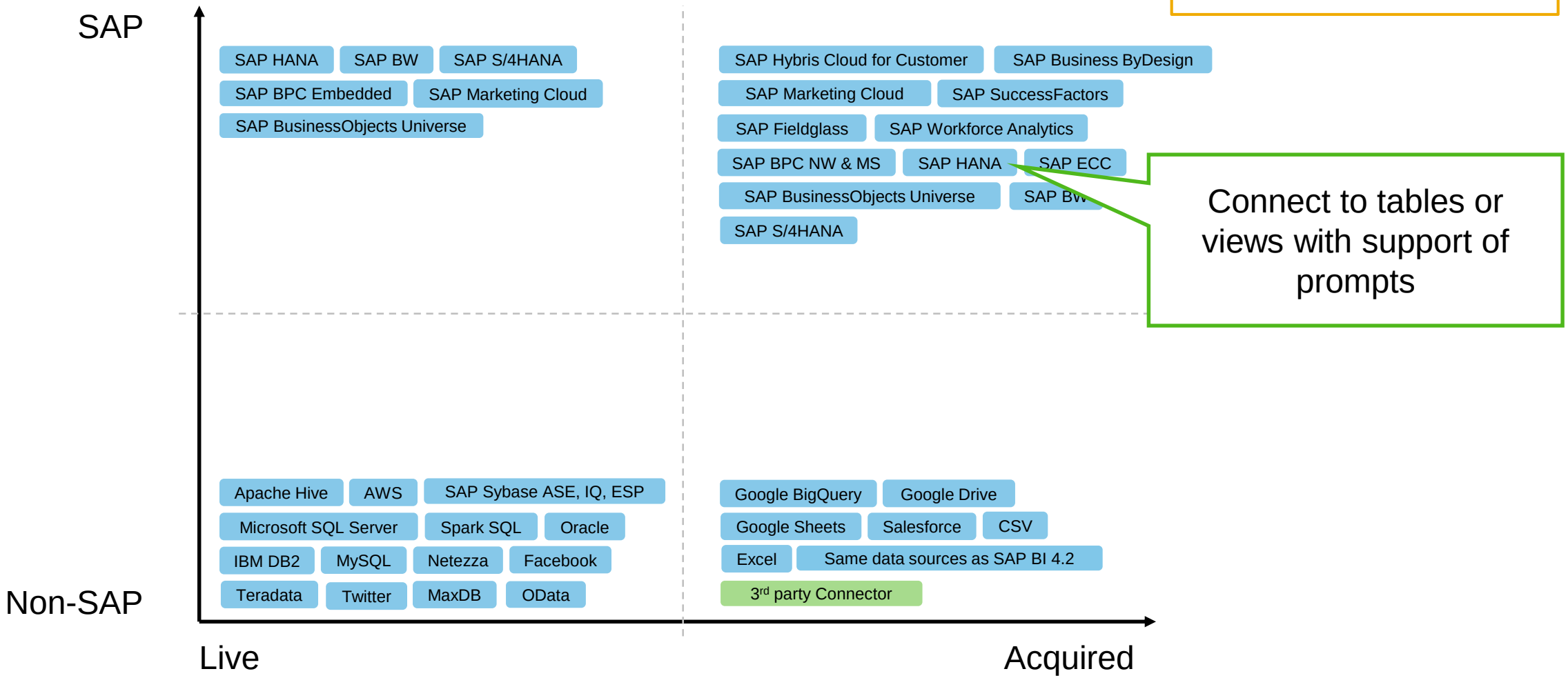
2019 Q3



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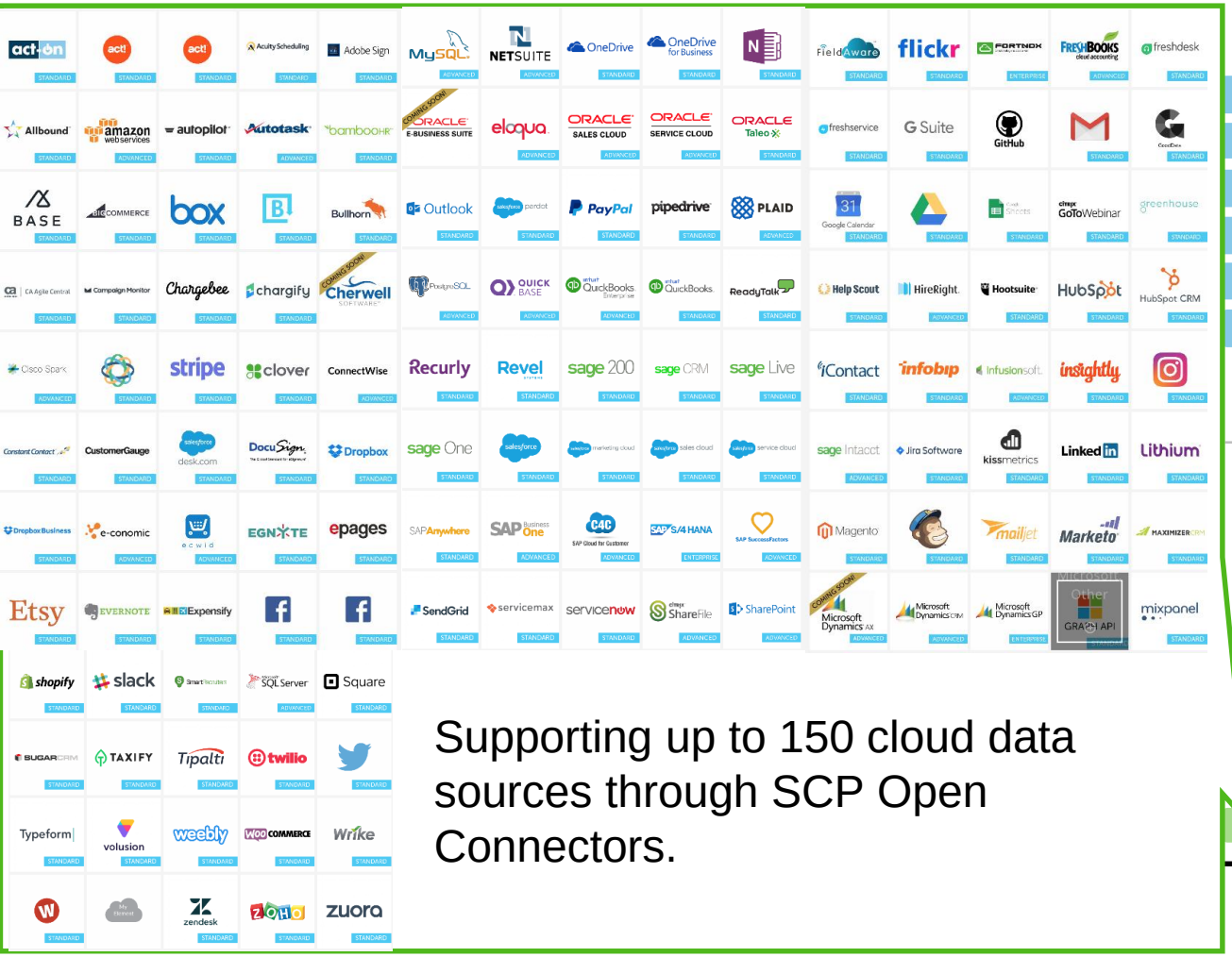
Connect

Delivered Planned within the next 6

STAGED DELIVERIES

Starting with 2019 Q3



Supporting up to 150 cloud data sources through SCP Open Connectors.

SAP Hybris Cloud for Customer
SAP Business ByDesign
SAP Marketing Cloud
SAP SuccessFactors
SAP Fieldglass
SAP Workforce Analytics
SAP BPC NW & MS
SAP HANA
SAP ECC
SAP BusinessObjects Universe
SAP BW
SAP S/4HANA

Google BigQuery
Google Drive
Google Sheets
Salesforce
CSV
Excel
Same data sources as SAP BI 4.2
3rd party Connector

Acquired

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Connecting to SAP SCP Open Connectors

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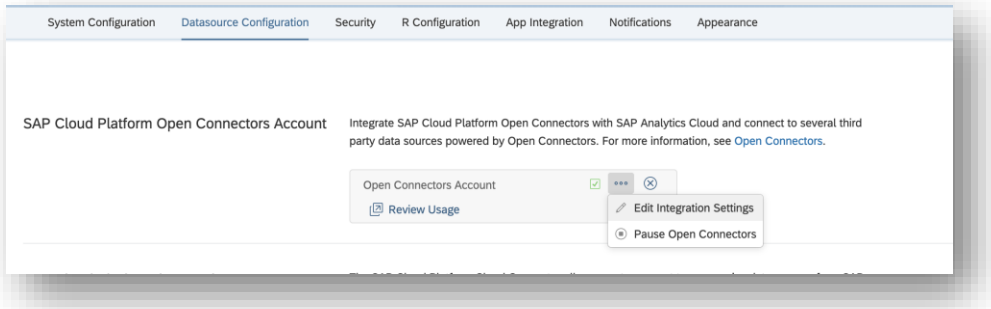
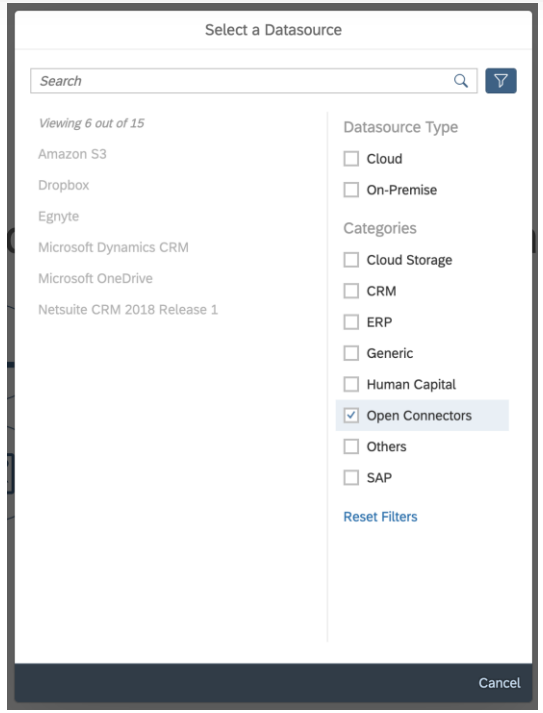
Access to 6 new sources

- Amazon S3, Egnyte, DropBox, OneDrive
  – Upload CSV, xlsx files from these sources
- Netsuite, Microsoft Dynamics



Setup of SCP's Open Connector service is needed

- Available on the SAP Store
- Sub-account information of the SCP service is needed to trigger access to these sources in SAC
  – Pricing based on # of API calls
  – Monitor usage in SCP cockpit
- Global pause button of SCP Open Connector sources available to SAC administrator.



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New upload limits

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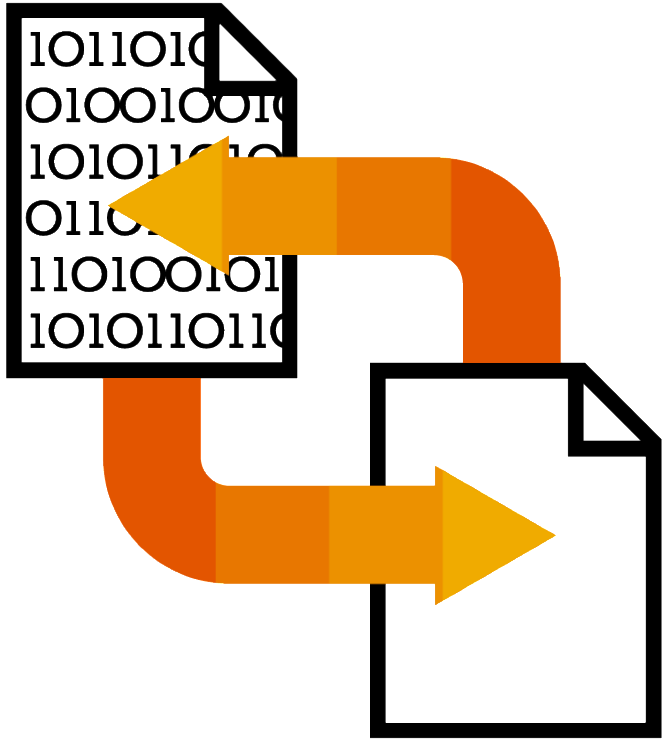
2019.Q3

On rows

- For files
  - Support 2Gb files
- For non-files (Q4)
  - 100m cells for models
  - 1B cells for Datasets

On columns

- Limits for Agile BI workflows will be re-assessed during beta program
- Beyond that limit, a new UX will be required to navigate across a high number of columns



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Exporting data out of SAC

M

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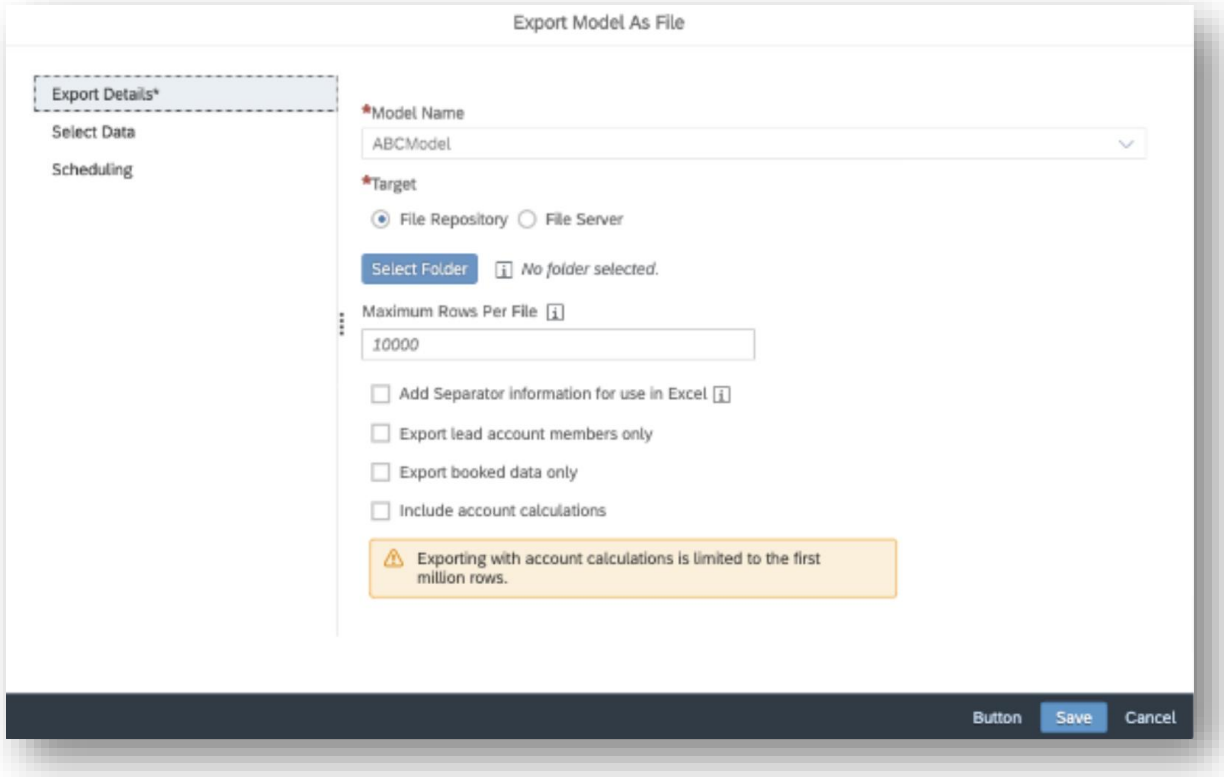
2019 Q3

Asynchronous experience when pushing data to CSV, S/4HANA

Export up to 6m rows from the fact data

- Magnitudes better performance vs. existing export
- For requests to export 1m+ rows, only fact data can be considered
- Only files without calculations can be exported, otherwise limit will be still of 1m rows.



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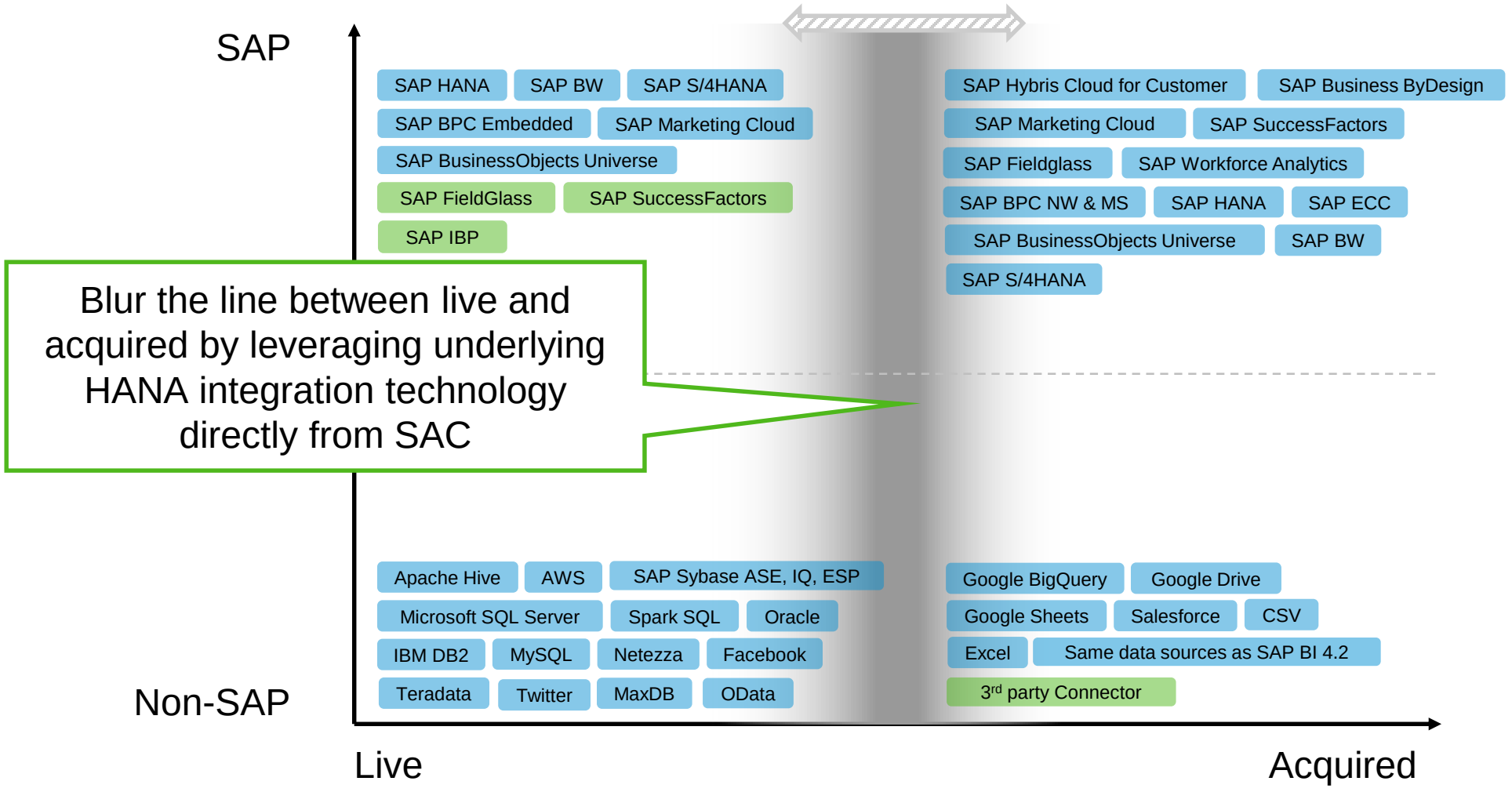
Connect

Delivered Planned within the next 6

FUTURE



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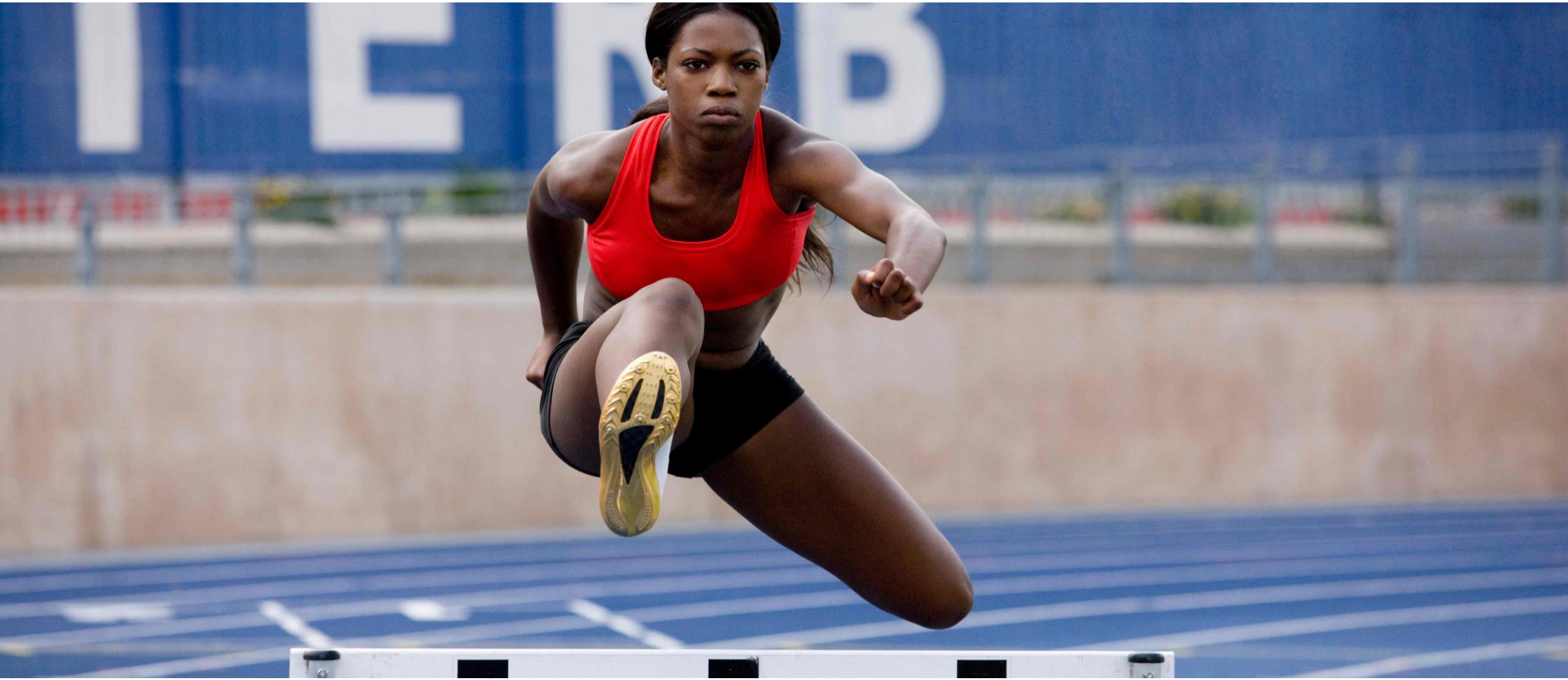
Prepare with Agility



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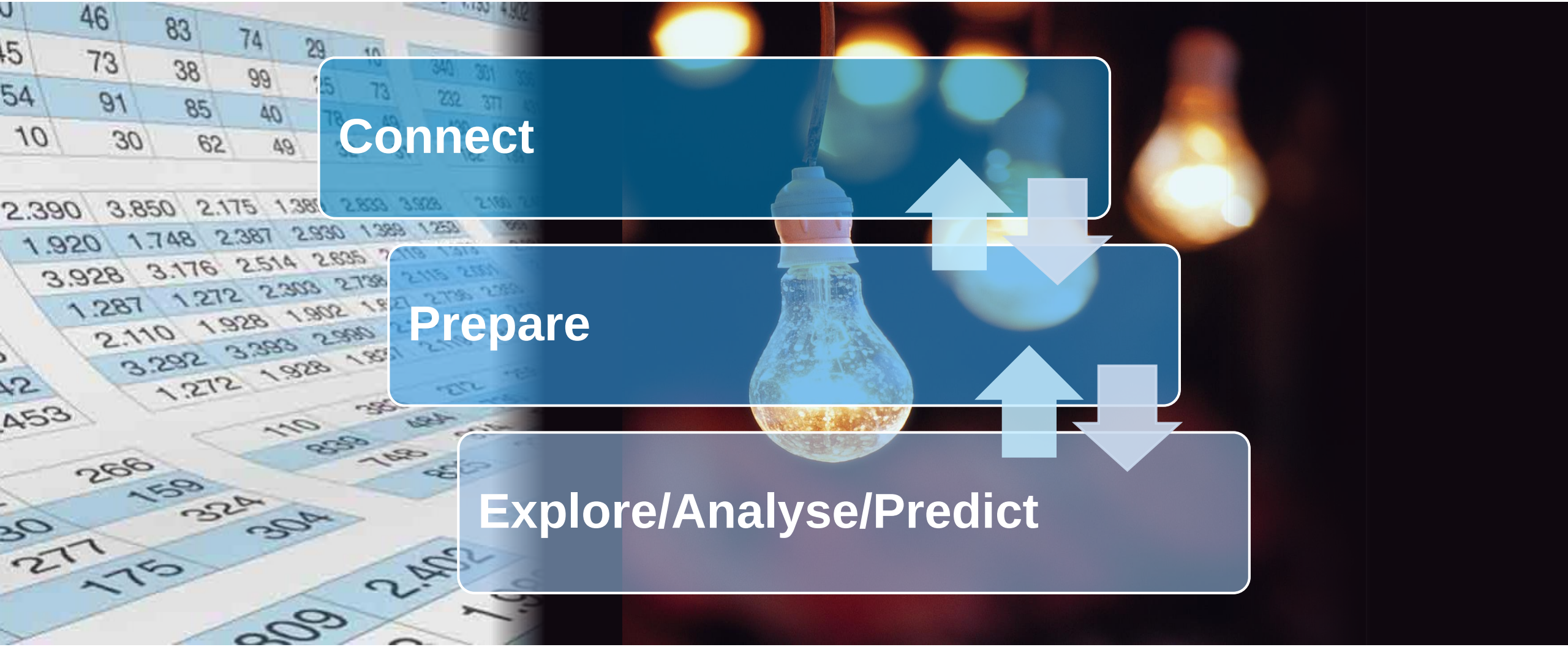
A frictionless, agile and iterative process



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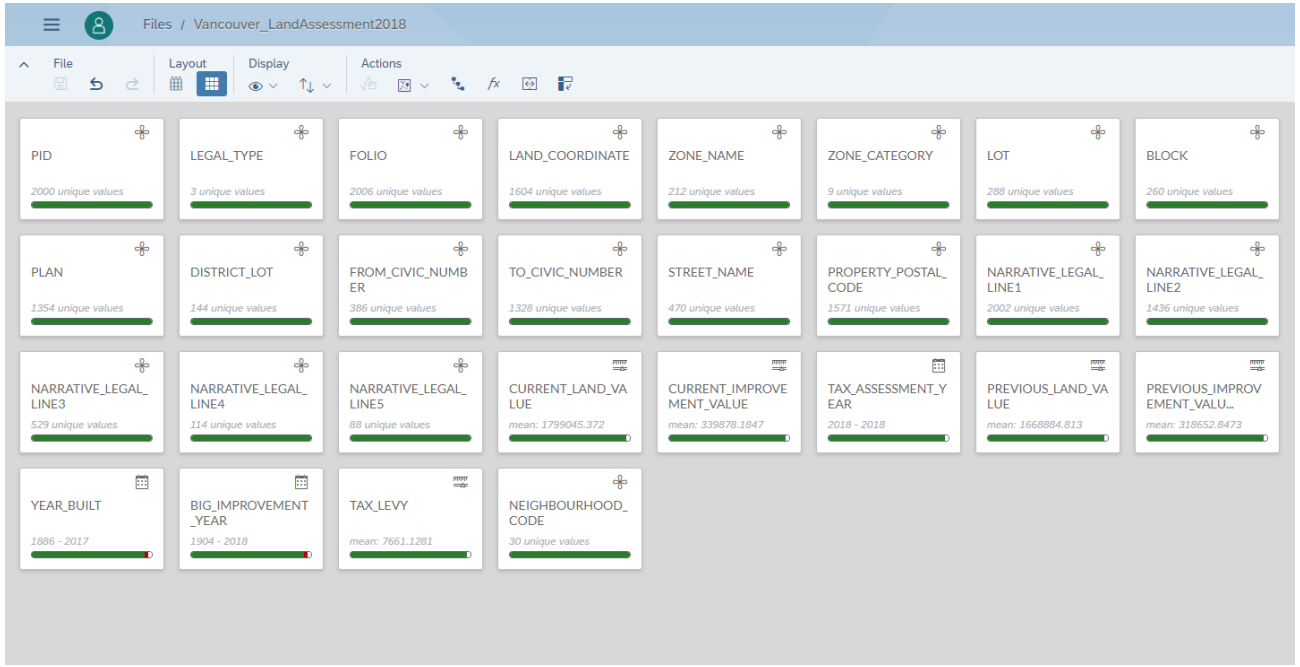
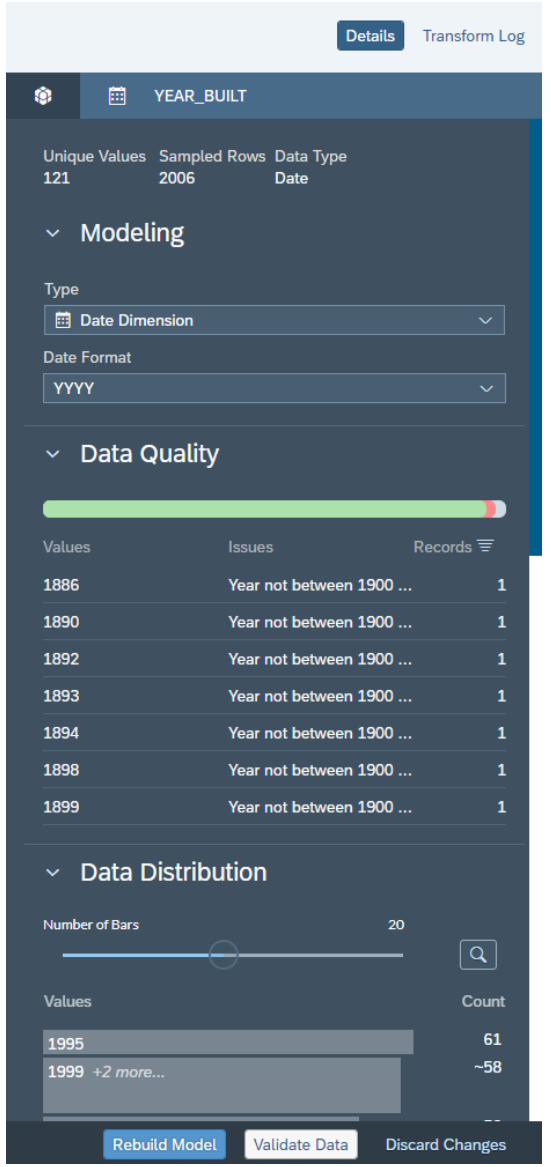
Driving principles of agile data preparation

Show the data from different perspectives

- Direct display – Table View / Card View
- Direct interactions
- Data Quality
- Data Distribution





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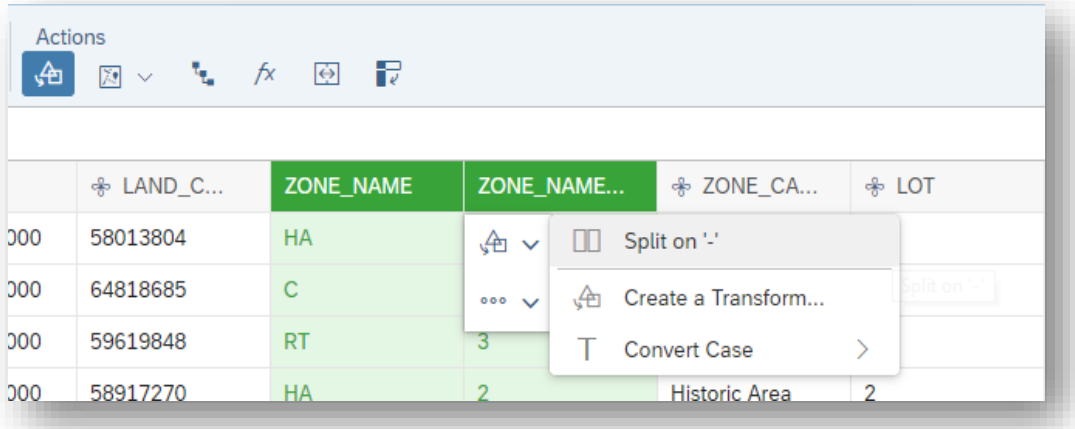
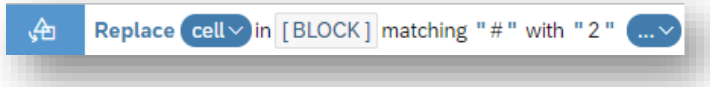
Driving principles of agile data preparation

Increase user creativity with data

Let the user focus on higher-valued workflows through suggestions

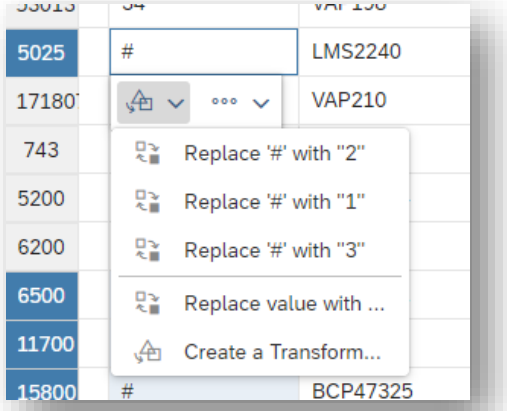
- Infer datatypes
- Transformation suggestions based on end-user's selection
- Suggest dimension relationships





Let the users play with the data

- Show the different states: previous, future
- Preview transforms
- Let users decide on the result



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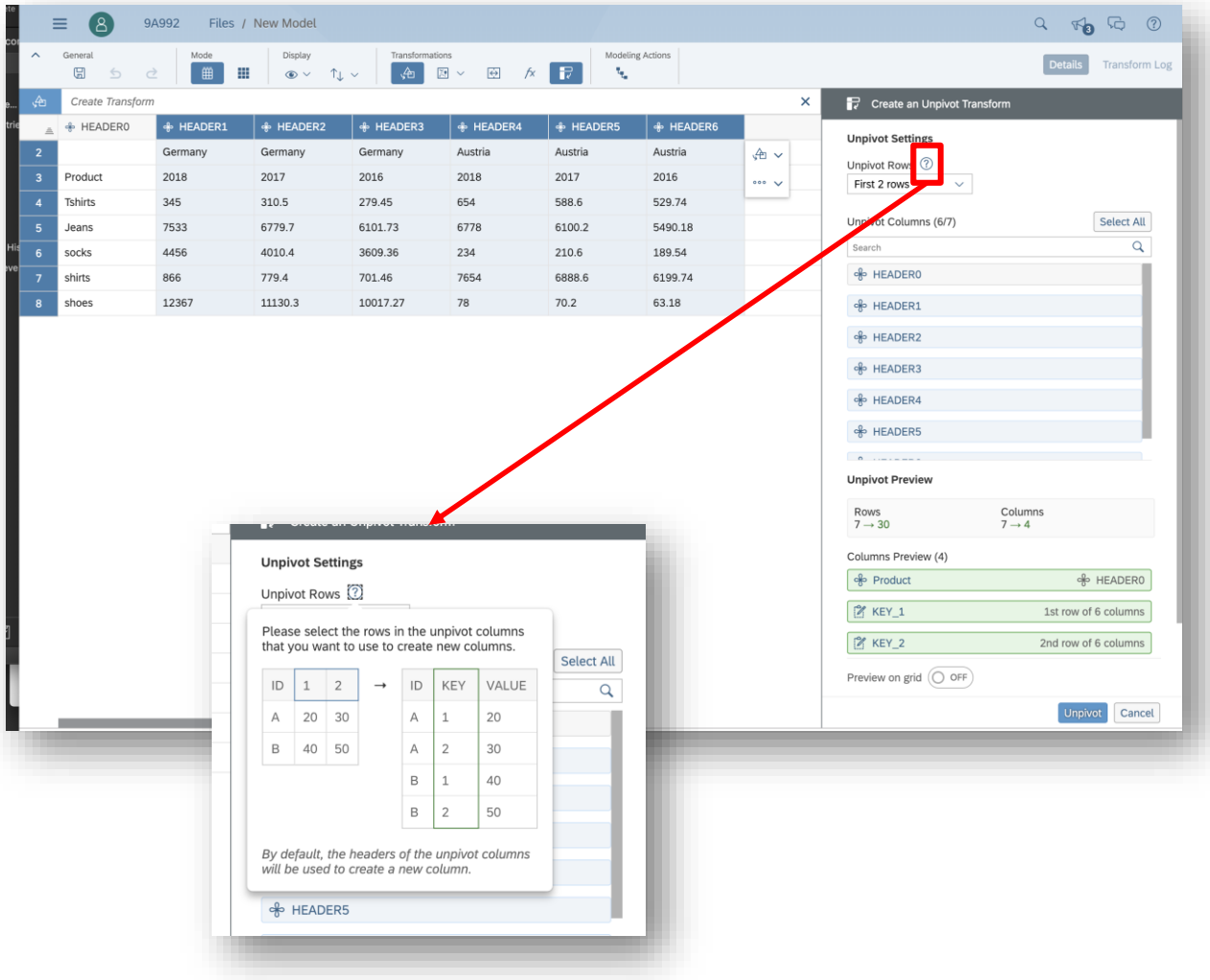
Unpivot columns into rows

Manage Excel crosstabs

- Apply a new unpivot transformation to bring columns into rows
- Each header row will have its own column after pivoting
- Rows of the dataset will be promoted as column headers

Word of caution on refresh

- Models created with unpivot can only be refreshed if the number of columns is the same.
- Users will have to use “import data” workflow to bring in new data



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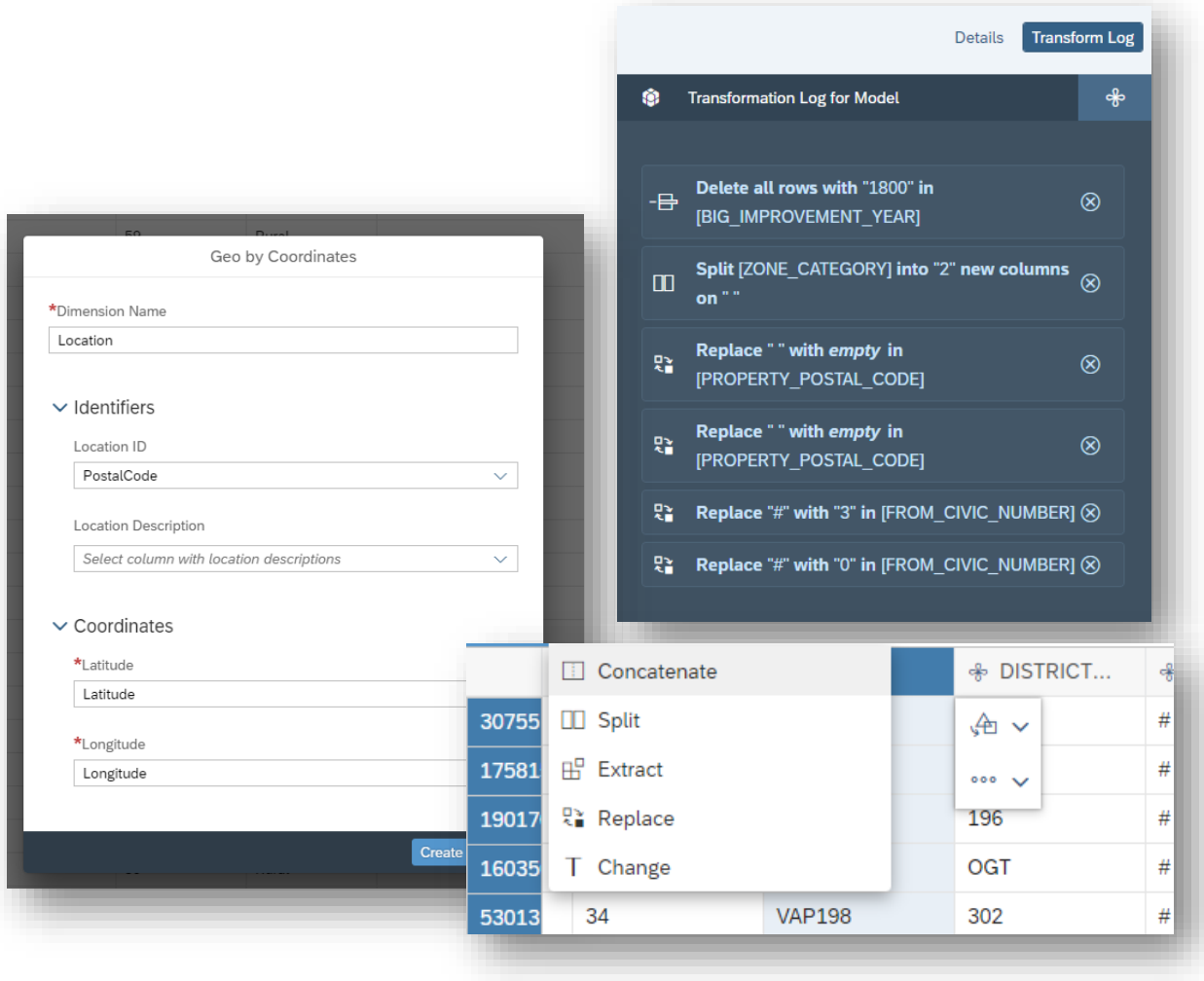
Data preparation functions

Data preparation functions make it easy to transform data

- Split, duplicate, delete, concatenate columns
- Replace, change single or multiple values/cells
- Extract values to create a new column
- Calculated columns
- Geo enrichment by coordinates & area name
- Create level-based and parent-child hierarchies
- Transpose columns to rows and vice versa
- Combine data from other sources
- History maintained of transformations with undo/redo



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Product Demo

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Prepare with Agility

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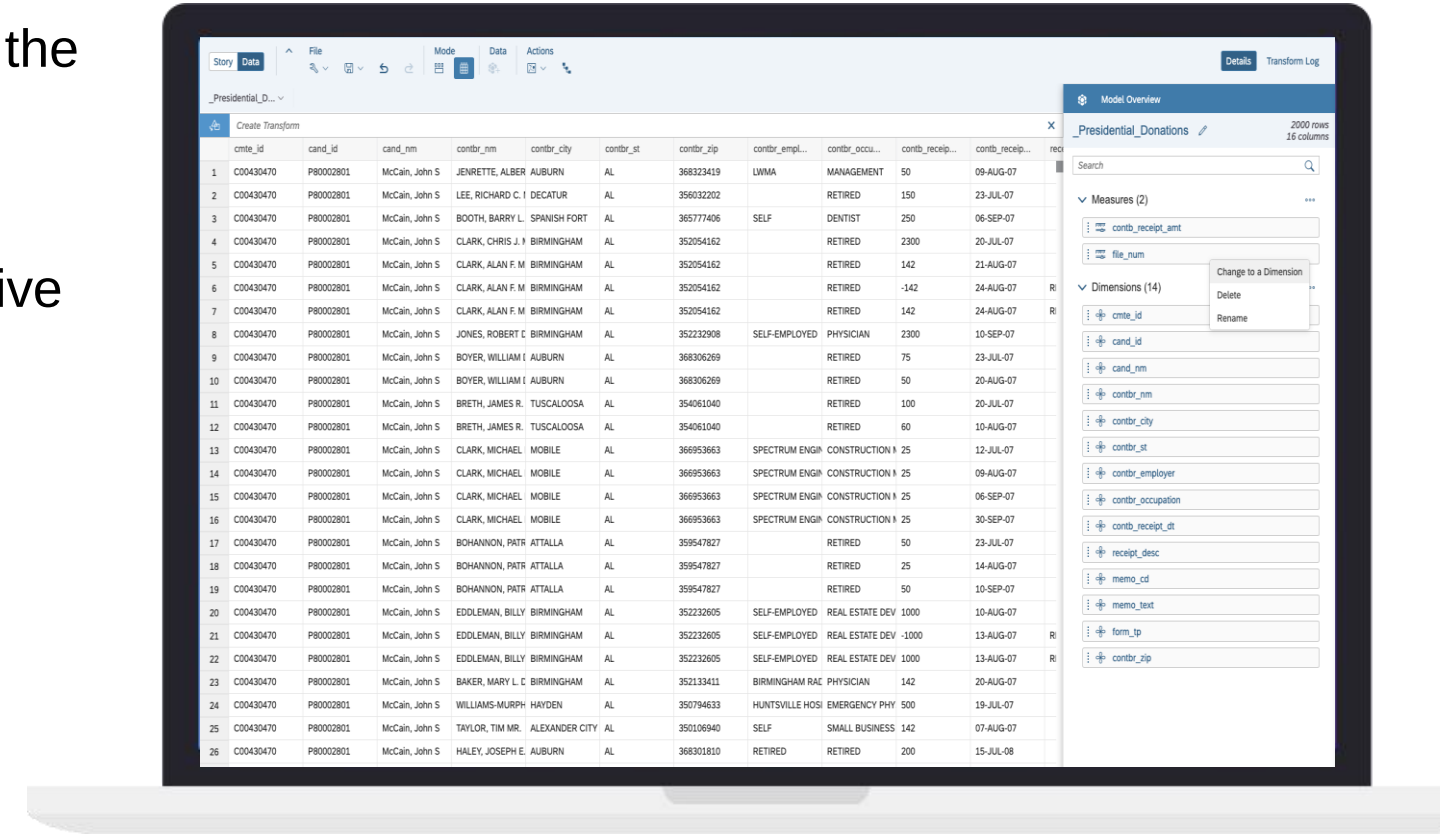
2019 Q4

Discover, prepare, and share data without the reliance from IT

Easy for business users and analysts to quickly prepare data with a visual, interactive interface

Data defines structure



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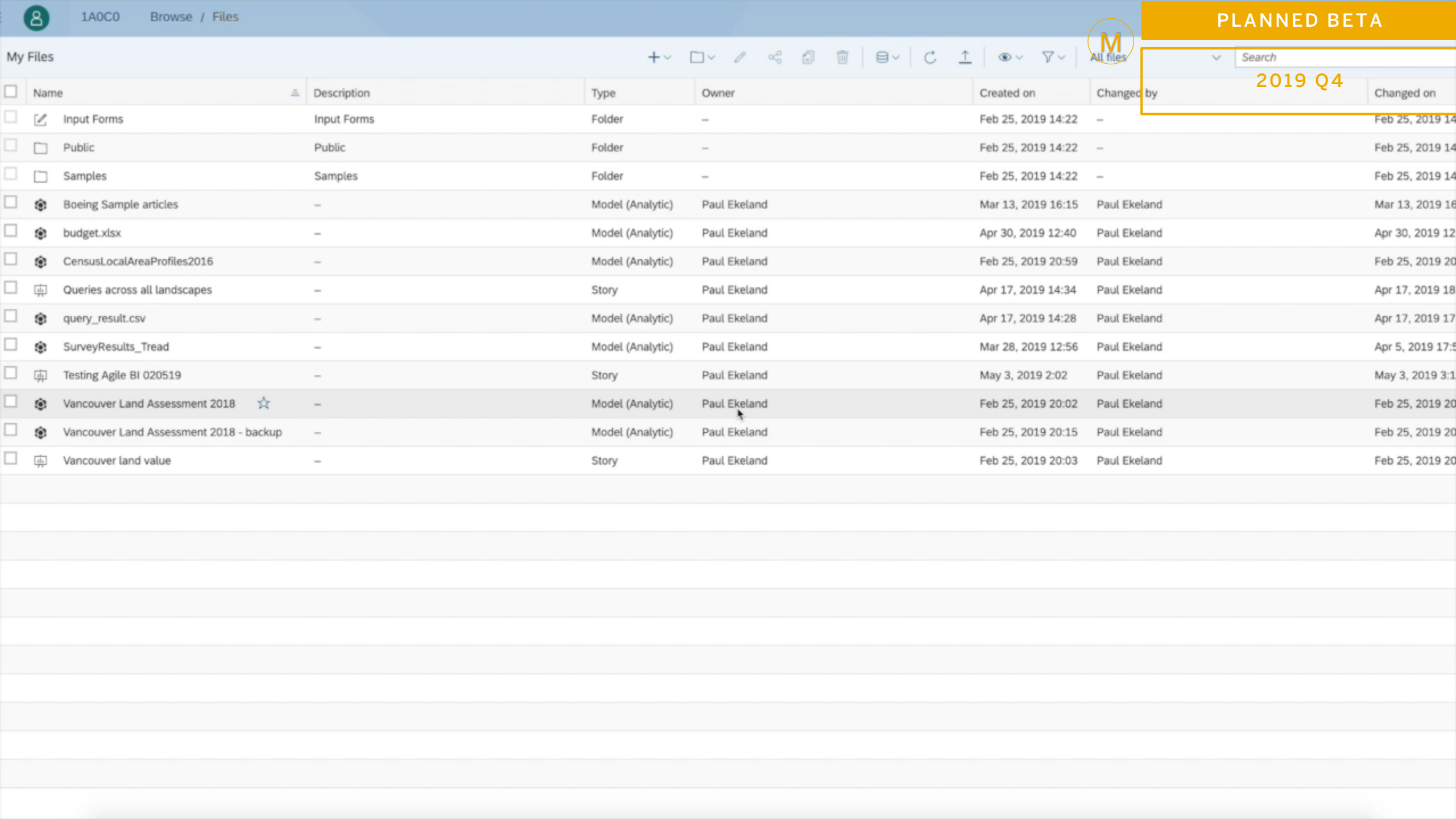
1A0C0
Browse / Files
PLANNED BETA
My Files
All files
Search
2019 Q4
Name
Description
Type
Owner
Created on
Changed by
Changed on
Input Forms
Input Forms
Folder
–
Feb 25, 2019 14:22
–
Feb 25, 2019 14
Public
Public
Folder
–
Feb 25, 2019 14:22
–
Feb 25, 2019 14
Samples
Samples
Folder
–
Feb 25, 2019 14:22
–
Feb 25, 2019 14
Boeing Sample articles
–
Model (Analytic)
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Mar 13, 2019 16:15
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Mar 13, 2019 16
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Apr 30, 2019 12:40
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Feb 25, 2019 20
Queries across all landscapes
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Story
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Apr 17, 2019 14:34
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Testing Agile BI 020519
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May 3, 2019 3:1
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Vancouver land value
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Story
Paul Ekeland
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Feb 25, 2019 20

Thank you.

Katharina Doerr, SAP Product Management Analytics

katharina.doerr@sap.com

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