

■ GEBERIT

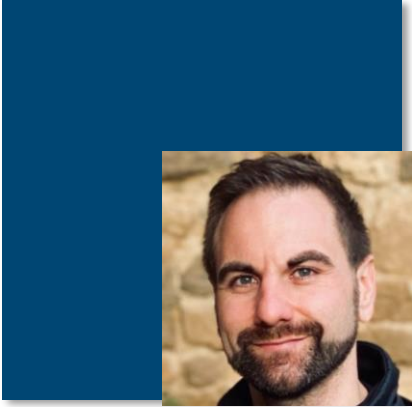
150
YEARS
OF TOMORROW

GEBERITS BTP JOURNEY

WITH A DEEP DIVE INTO ANALYTICS CLOUD

Marius Reck & Alessa Staiger

Introduction

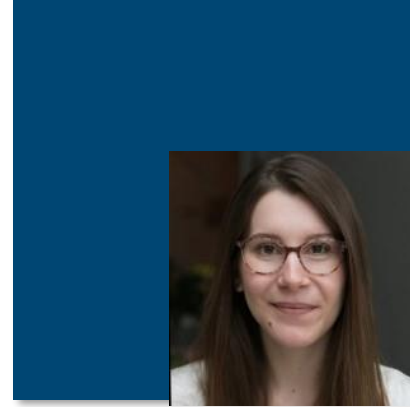


Marius Reck

Head of IT Business Support Applications

- HCM, HXM
- Finance & Controlling
- Analytics & Planning

marius.reck@geberit.com



Alessa Staiger

Senior IT Application Analyst

Analytics & Planning

alessa.staiger@geberit.com

Structure



THE COMPANY



SLIDE 5
GEBERIT BTP - SAP/TAC VIENNA 2024
19.06.2024

Key figures 2023

NET SALES IN CHF

3,084 million

COUNTRIES WITH SALES ORGANISATIONS

~50

EMPLOYEES

~11,000

PRODUCTION SITES

26



Net sales in 2023 by product areas

1 INSTALLATION AND FLUSHING SYSTEMS

37%

Installation Systems
Flushing Systems

2 PIPING SYSTEMS

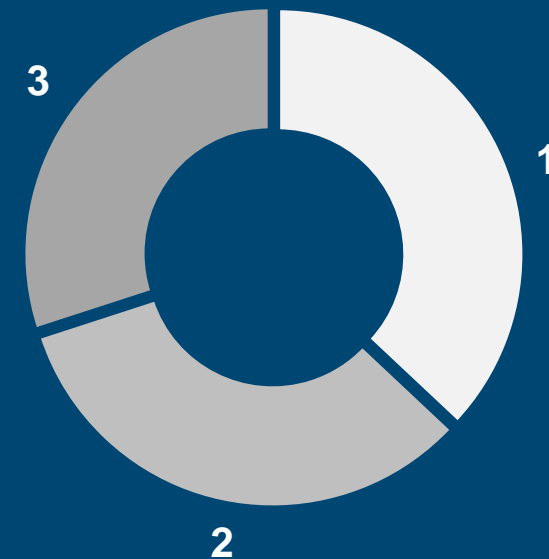
33%

Building Drainage Systems
Supply Systems

3 BATHROOM SYSTEMS

30%

Bathroom Ceramics and Furniture
Showers and Bathtubs
Taps and Controls
Waste Fittings and Traps
Shower Toilets



THE IT LANDSCAPE

IT @ GEBERIT

Weltweiter
Service
Katalog



Central IT Organisation

→ Three Sites: CH, DE, PL



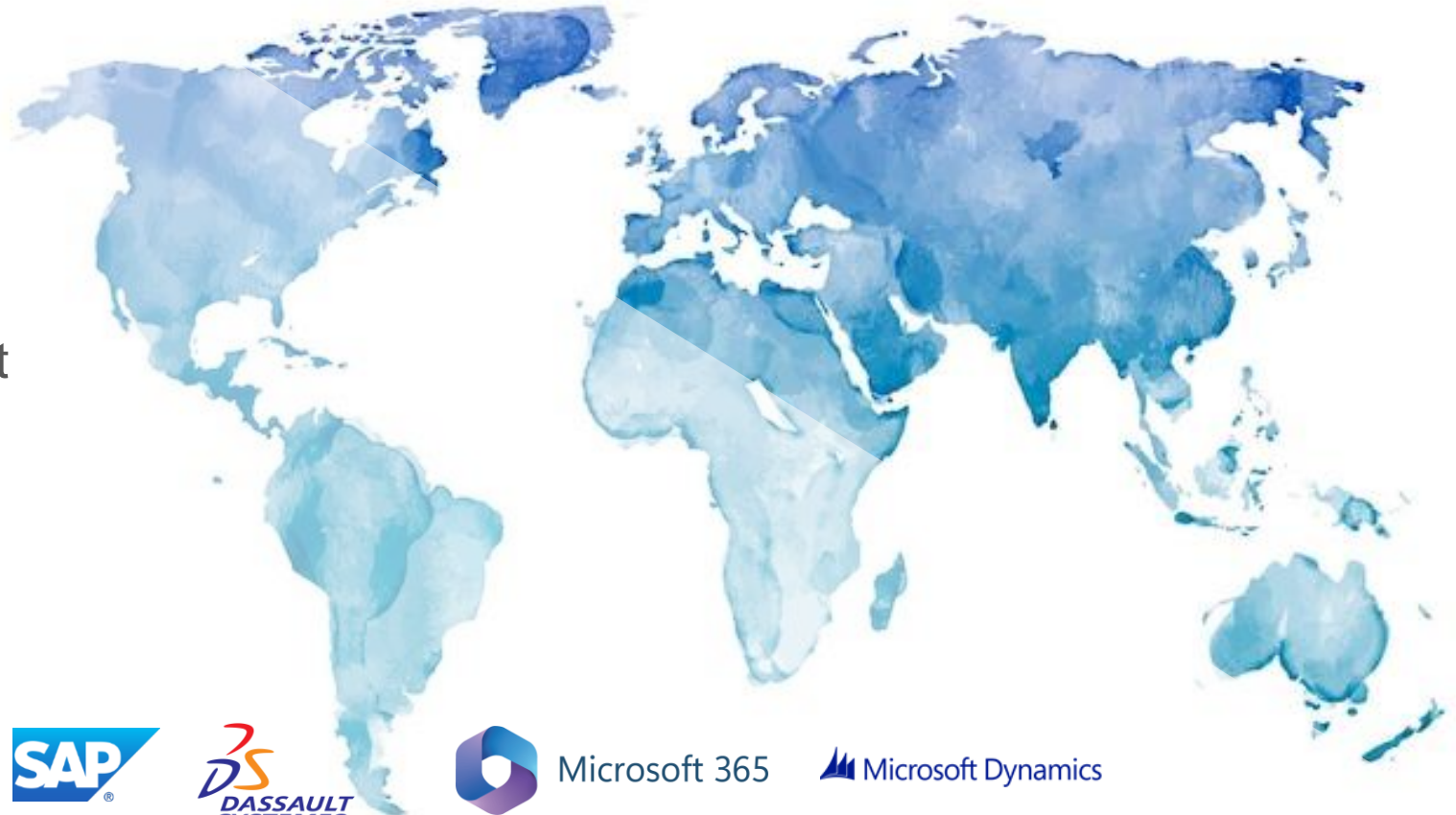
~ 230 IT employees

→ ~80 in the SAP environment



Two **data center** locations

→ CH and DE



Microsoft 365



Microsoft Dynamics



SLIDE 9

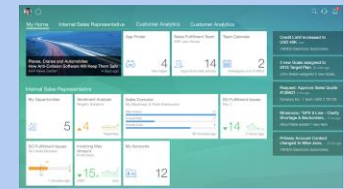
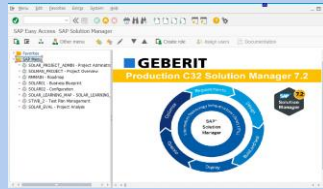
GEBERIT BTP - SAP/TAC VIENNA 2024

19.06.2024

GEBERIT

SAP on-prem Landscape @Geberit

Clients



ALE

NW SSO

Web
Dispatcher

Portal

SAP DQM

iMAM

ERP
S/4 2021
HANA

S/4EWM
2022

ME
MII
15.4

Global
HCM
S/4HANA
2023

GTS
6.0
EHP 8

BW
7.50
onHANA

Group
Repor-
-ting

SolMan
7.2

ADS

IDM

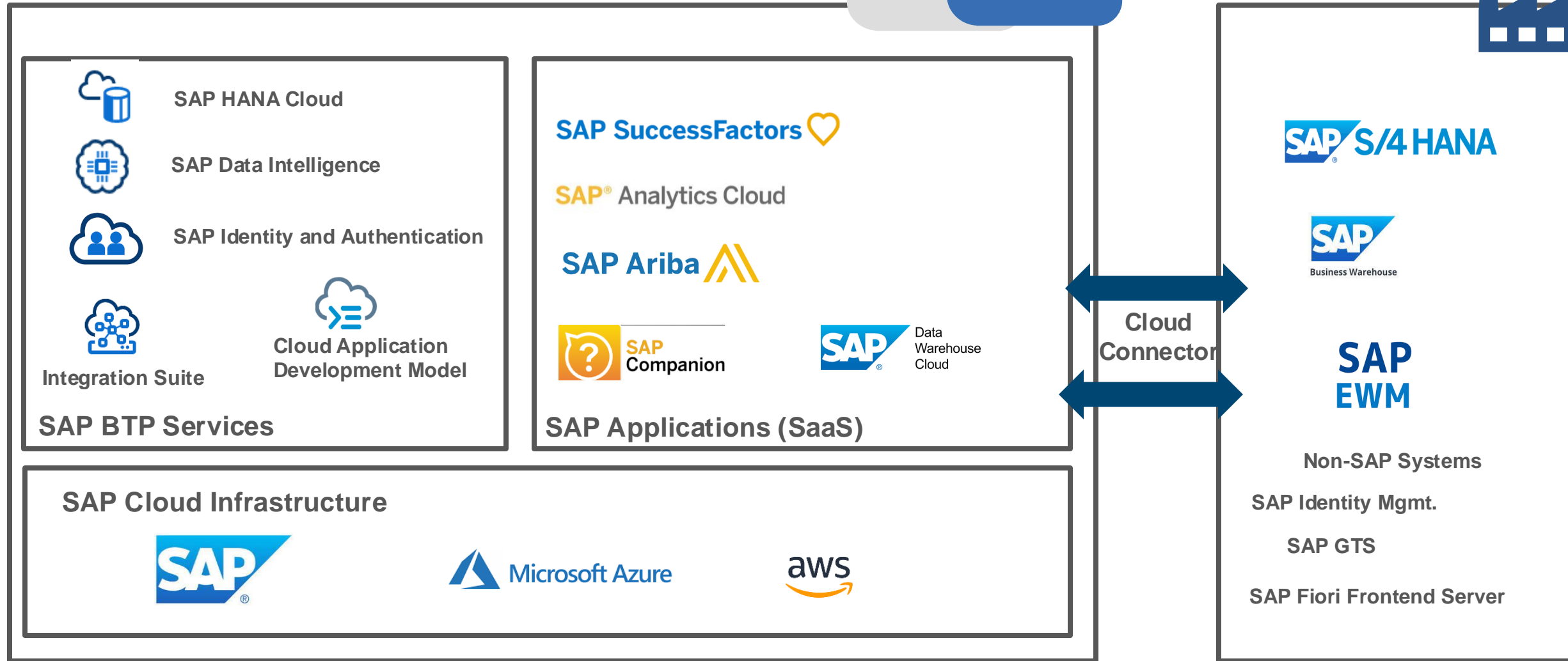
PO
BC

NW
Gate-
way

SAP HANA 2 SP 5 / Sybase / MaxDB

SAP Netweaver 7.50 / 7.53 / 7.55 / 7.81 / 7.85 / 7.89 on Suse Linux 15.4

SAP BTP @Geberit



SAP Cloud Licence



Cloud Platform Enterprise Agreement (CPEA new BTPEA)

- Credit based Model
- Cloud Estimator for Pricing indication
- Geberit has a contract with ~150k CHF annual till 2025

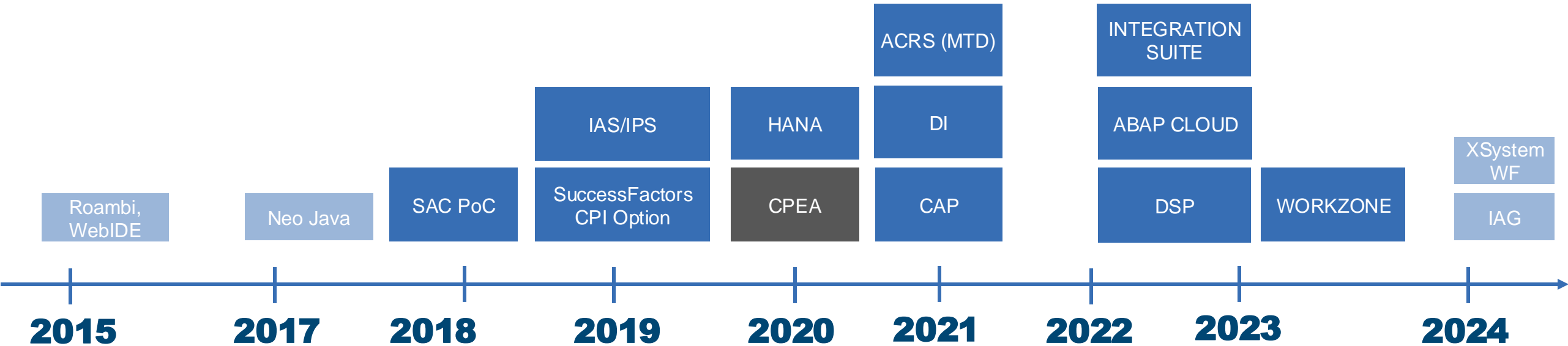
- ✓ Pros: Full **Flexibility**
- ✗ Cons: Not every product is as CPEA available (examples S/4 , SuccessFactors / Ariba /..)



Subscription

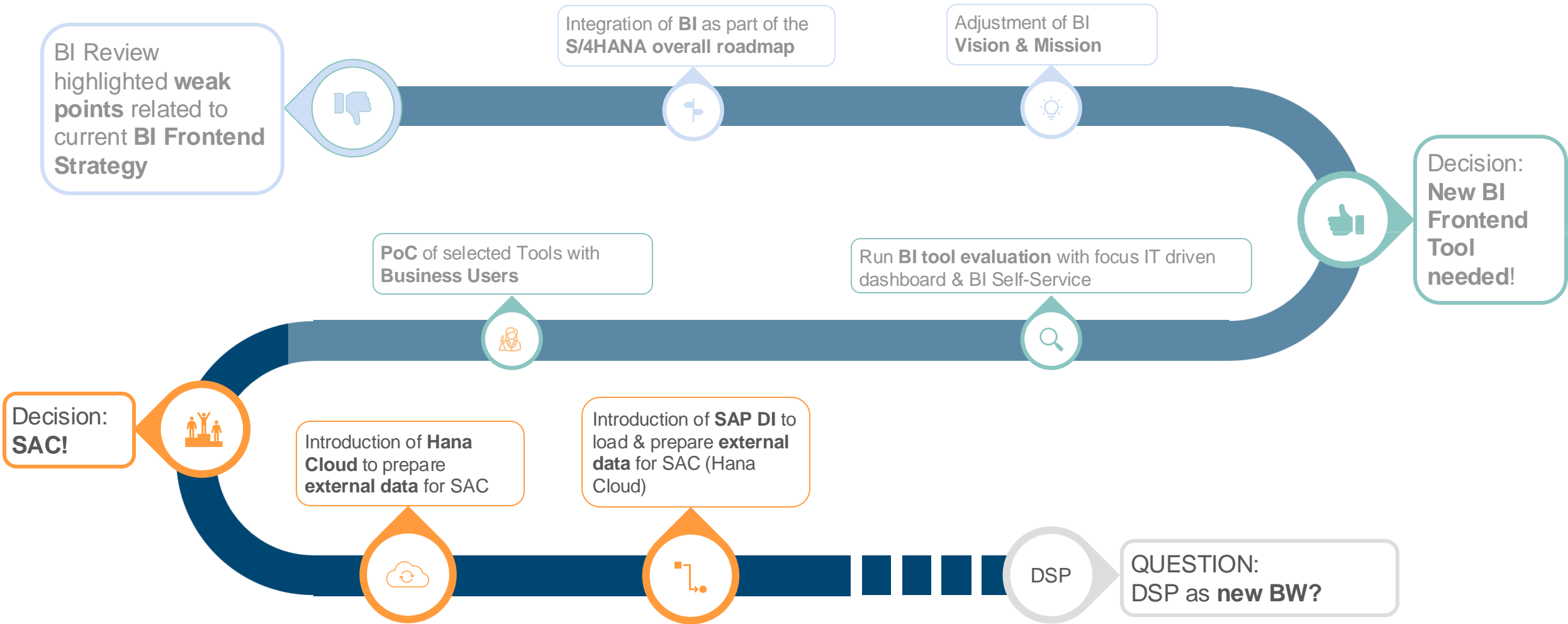
- ✓ Pros: Higher **discounts** possible
- ✗ Cons: No Flexibility

BTP / SCP – START



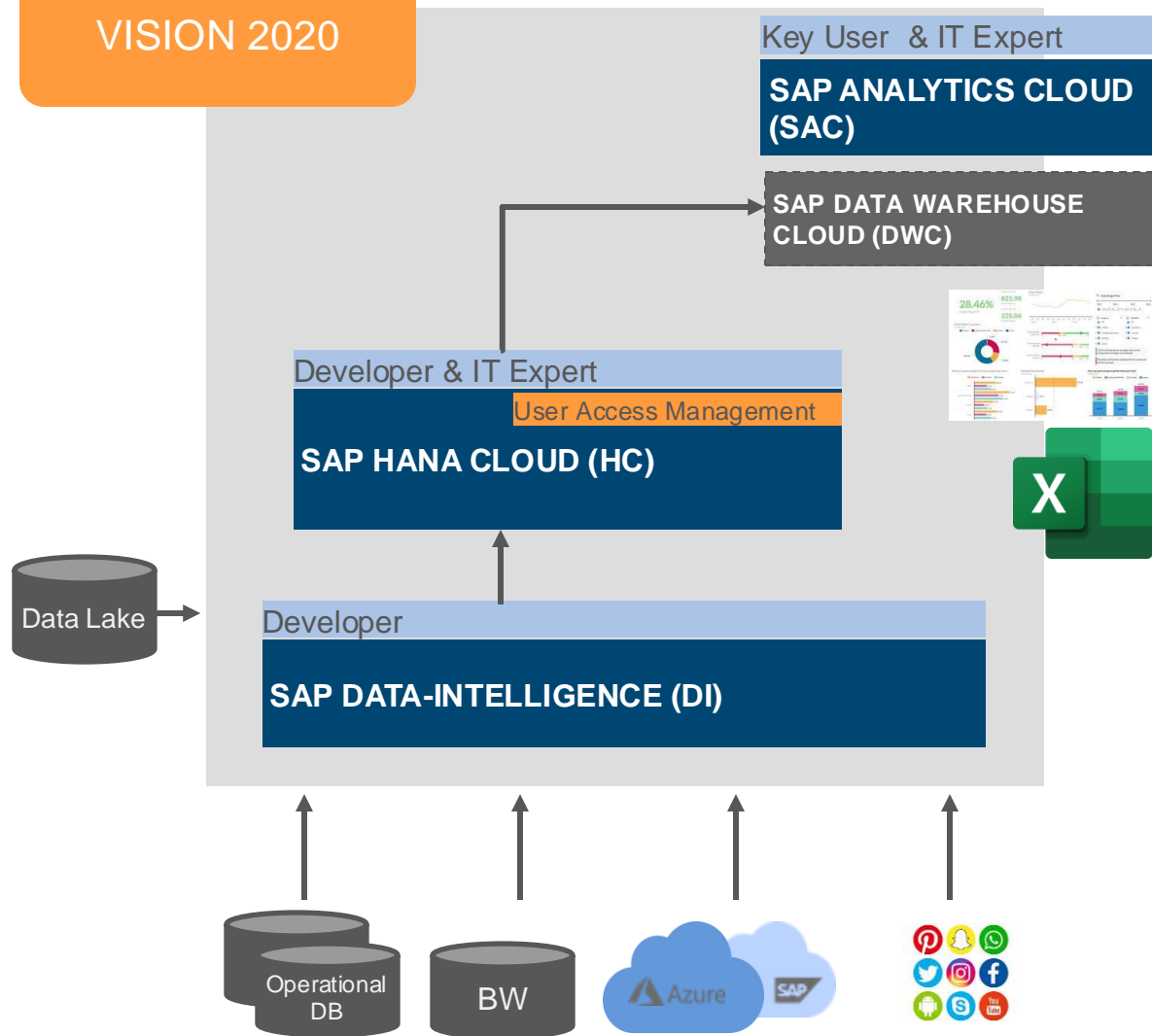
THE BI & SAC SETUP

BTP @Analytics & Planning

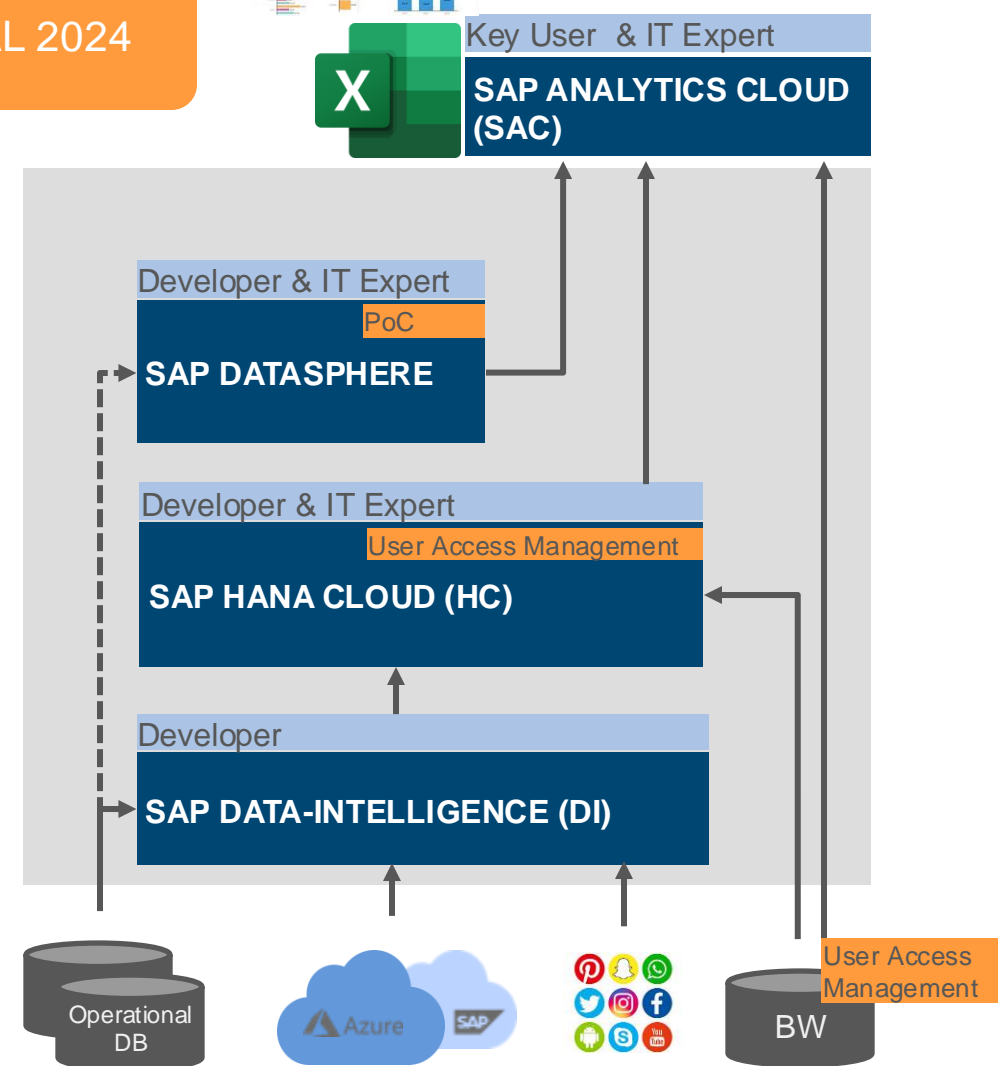


SAP BTP @ Geberit BI – Vision vs. Reality

VISION 2020

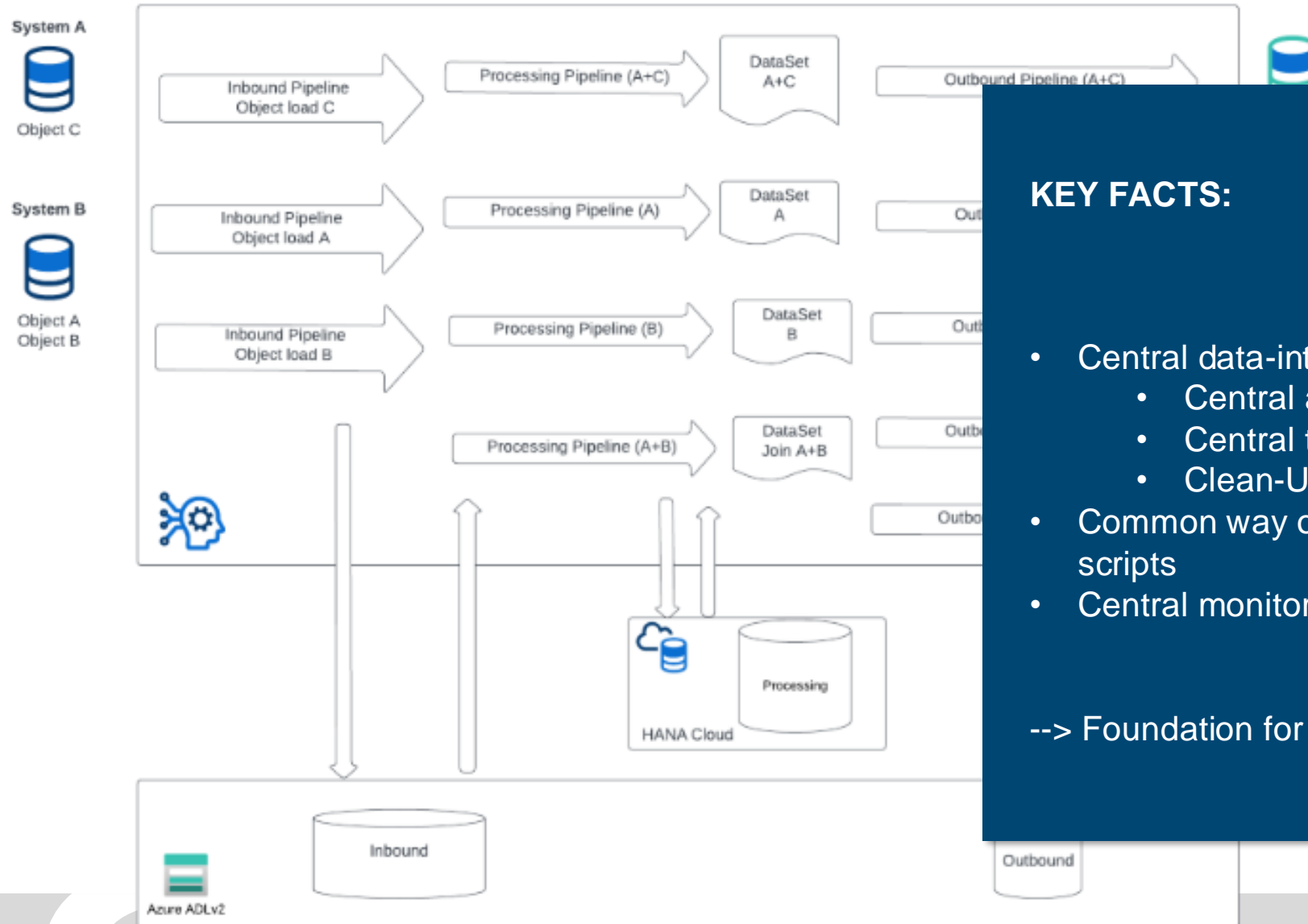


ACTUAL 2024



THE BTP IN ACTION

ENTERPRISE APPLICATION INTEGRATION



KEY FACTS:

- Central data-interface for all IT Systems (SAP & non-SAP)
 - Central administration
 - Central transformation
 - Clean-Up (Housekeeping)
- Common way of integration of IT Systems via Python scripts
- Central monitoring and alerting

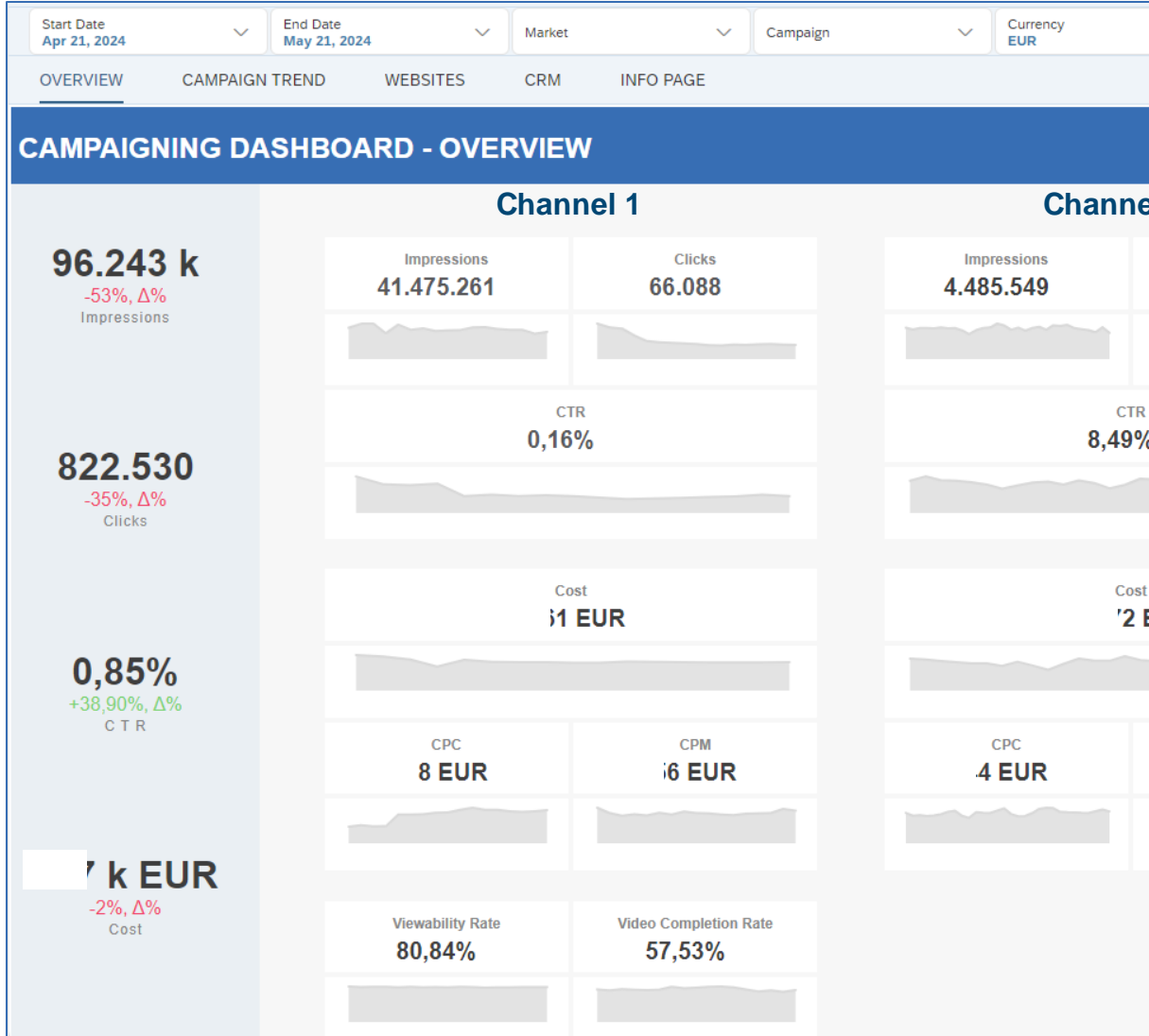
--> Foundation for CRM and Social Media – Campaigning

SLIDE 18

GEBERIT BTP - SAP/TAC VIENNA 2024

19.06.2024

Campaign Management



KEY FACTS:

- Connection to 5 external Data Sources
 - Google CM360
 - Google Ads
 - Google Analytics
 - Meta
 - Microsoft CRM
- Daily Data Loads (mainly) via API-Requests
- Filtering via Date, Market & Campaign
- Currency Conversion in Hana Cloud Data Model integrated

Campaign MgMt

BTP Components





Data Models


→ Models with live connection to Hana Cloud

Story

Data Container

Tables  Views  Table Functions f_x

Modelling Container

Calculation Views 

- Calculated Columns
- Aggergations
- Hierarchies
- Currency Conversion

Read Hana Table

→ Get Account IDs

Custom Operator

- Operator.json
- configSchema.json
- Script.py

→ Get Account Ids from Input Port

→ Handle Authentication

→ Execute API Requests

→ Handle & export Data using Output Port

Binary File Producer

→ Write Data into Data Lake

Binary File Reader

→ Read Data from Data Lake

Write Hana Table

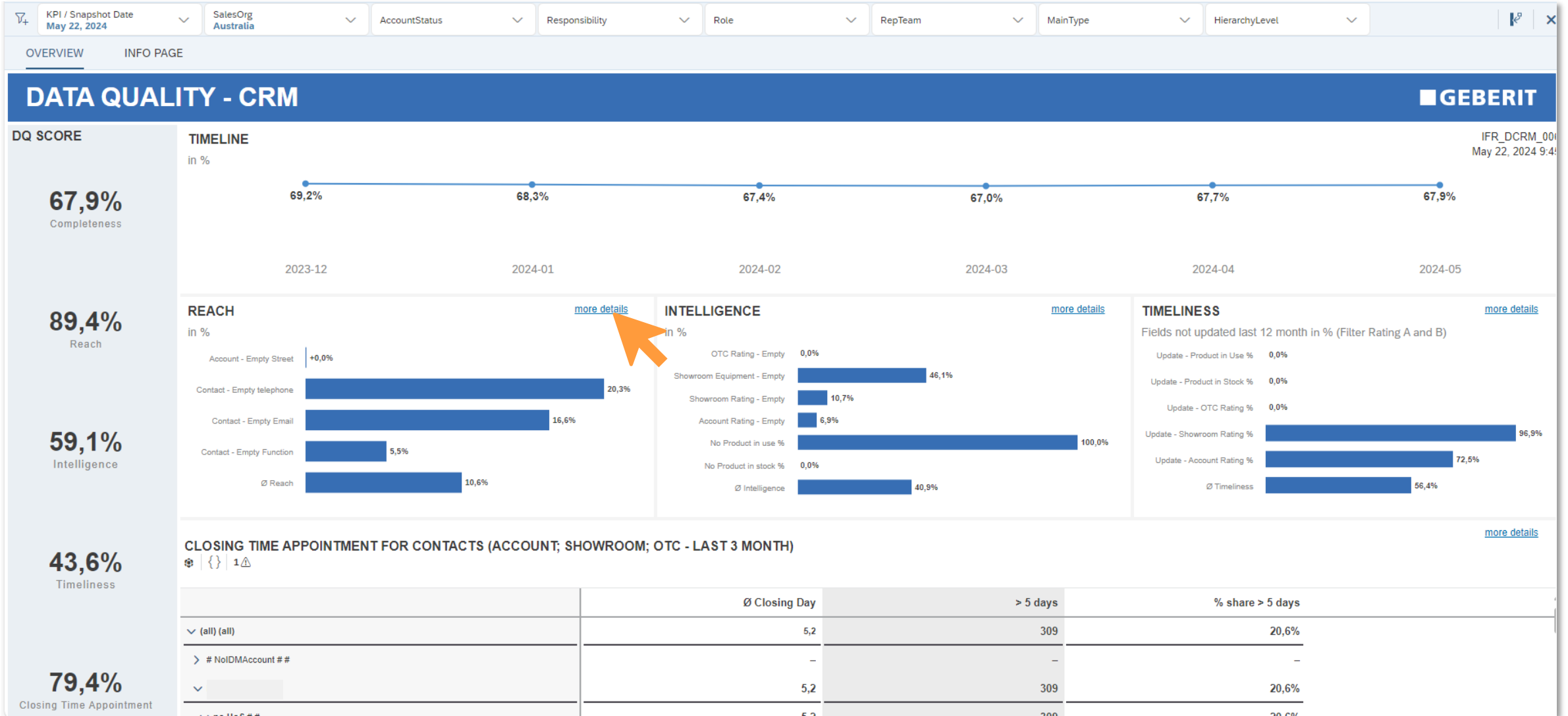
→ Load Data into Hana Cloud Table

Main logic within Custom Operator

Challenge:
(stable) API Access & Requests



CRM Data Quality



CRM Data Quality

KPI / Snapshot Date May 22, 2024 | SalesOrg Australia | AccountStatus | Responsibility | Role

OVERVIEW INFO PAGE

REACH - ACCOUNT & CONTACT ADDRESS DATA

DETAILS TABLE REACH & CONTACT

	Empty street	Account - Empty Street	Empty function	Contact - Empty Function
▼ (all) (all)	1	+0,0%	373	5,5%
▼ Frances	1	+0,0%	373	5,5%
▼ no HoS #	1	+0,0%	373	5,5%
▼ Brittany	1	0,2%	54	3,8%
Brittany	1	0,4%	19	2,7%
Brooke	0	0,0%	17	5,7%
Rodney	0	0,0%	18	4,1%
▼ Chris	0	0,0%	89	4,6%

JUMP TO CRM

JUMP TO CRM ACCOUNT | NO STREET

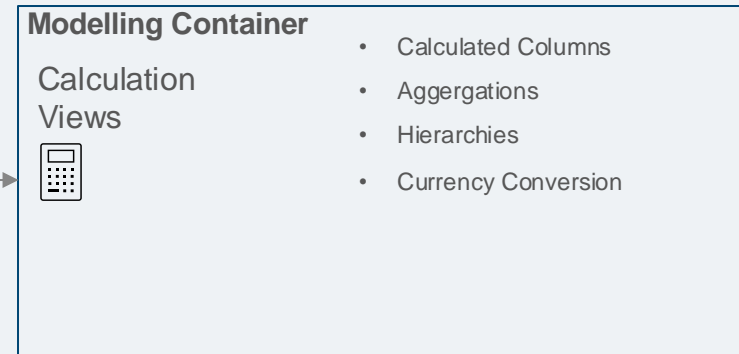
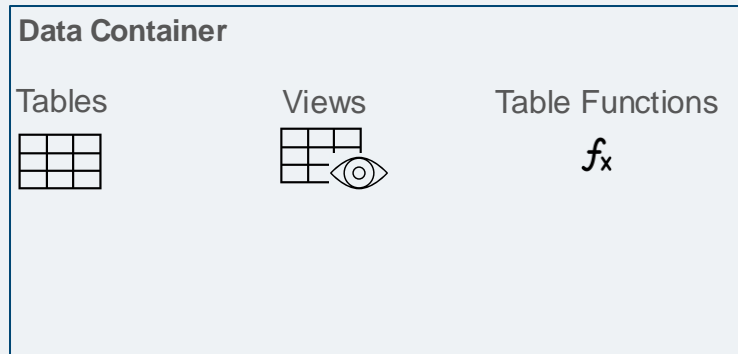
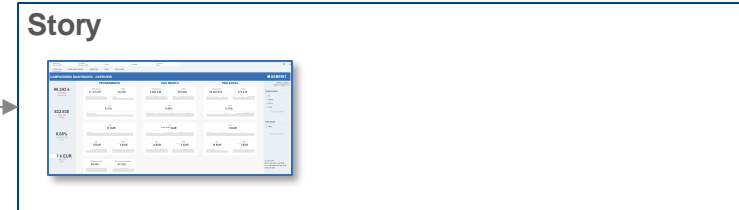
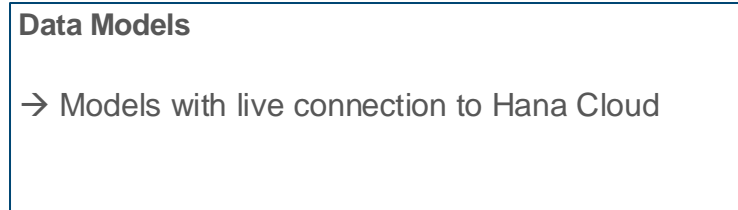
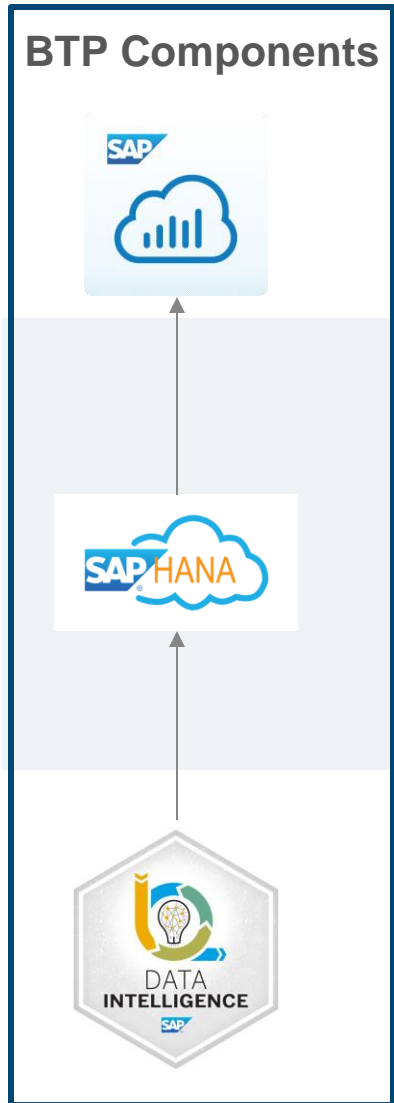
1 Hidden | Navigate to External URL

Account Name	City	Account Rating	Showroom Rating	OTC Rating	Responsible
Servic...	Hemmant	C3	(Null)	(Null)	Brittany Lloyd-Tertis

KEY FACTS:

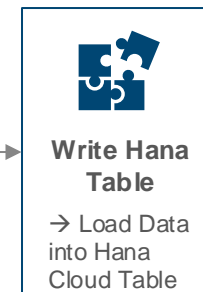
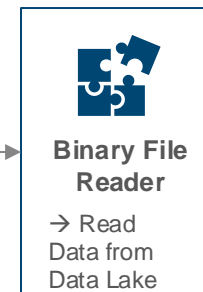
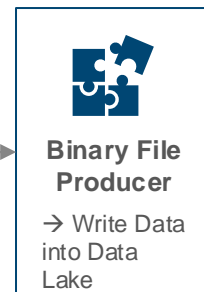
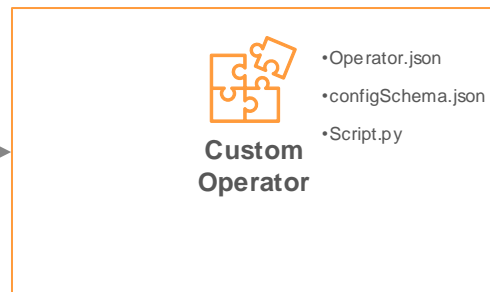
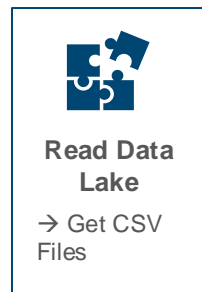
- IFrame Dashboard → integrated into MS CRM
- Direct switch to Contact in CRM possible to maintain missing data
- Access Management via Company Code (BW) and Manager Hierarchy within CRM
- Daily Load of CRM Data into Hana Cloud

CRM Dashboards



Vision:
virtual access

Reality:
Aggregated data needs to be replicated for performance (20-70 KPIs)



- Daily Full Load ~100GB
- Delta not possible

ABAP CLOUD ENVIRONMENT

SAP BTP

Security Findings Overview

Enter search value... <input type="text"/>												
Sort Filter Show all columns Excel export												
<input type="checkbox"/>	Check Message	Check Title	State	Person Responsible	Area	Remark	Priority	System	Package Name	Object Name	Object Type	Source Code
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	HAEFA	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_ASSIGN_PRIV	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection using ADBC (DML)	Security Checks for ABAP (CVA)	Open	KELMI	BSA		1	T15	YSAPDEV_HANA_CLO_UD	YRDEV_HANA_CLOUD_USER_CREATE	PROG	Open
<input type="checkbox"/>	Potential SQL injection (WHERE condition)	Security Checks for ABAP (CVA)	Open	SAP*			1	T15	ZBI0	ZABCSFG	FUGR	Open
<input type="checkbox"/>	Hard-coded user name	Security Checks for ABAP (CVA)	Open	RECM	BSA		1	T15	ZBI0	ZACFSWD_CFS_PROC ESS01	WDYN	Not Available
<input type="checkbox"/>	Potential directory traversal	Security Checks for ABAP (CVA)	Open	DEPF_EXT_BI	BSA		1	T15	ZBI0	ZCRB_DELETE_UNIX_FILE	PROG	Open
<input type="checkbox"/>	Potential directory traversal	Security Checks for ABAP (CVA)	Open	DEPF_EXT_BI	BSA		1	T15	ZBI0	ZCRB_DELETE_UNIX_FILE	PROG	Open

THE OUTLOOK



SLIDE 25
GEBERIT BTP - SAP/TAC VIENNA 2024
19.06.2024

OUTLOOK – What's coming next?!

Employee Central Payroll

SAP SuccessFactors Employee Central Payroll

SAP IAG
(Identity Access Governance)
→ Replacement SAP IDM

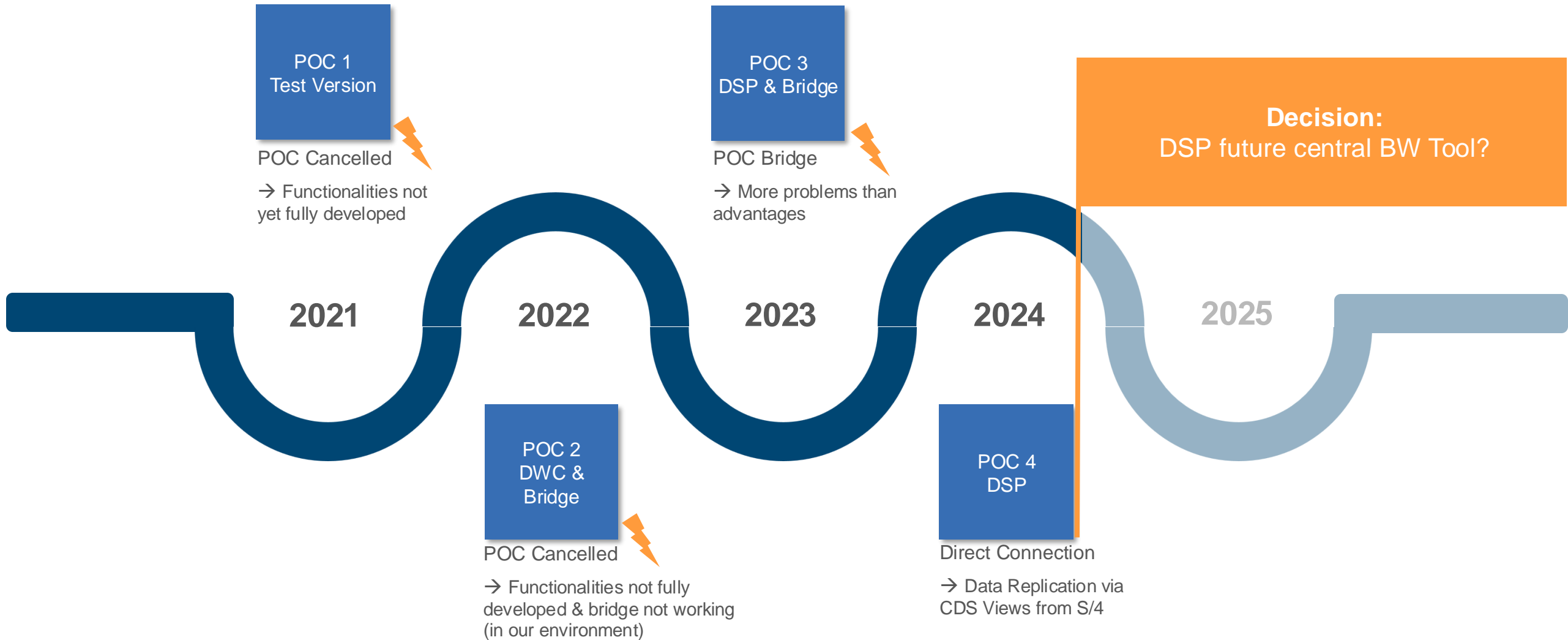
SAP Build Work Zone, standard edition
Simplify access to applications by creating business sites.
FREE TIER

SAP Build Work Zone

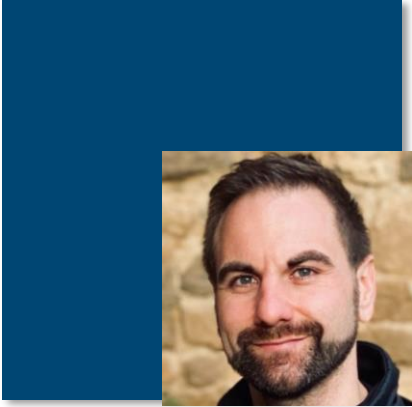
Joule & SuccessFactors

Joule
Hello Geoff,
How can I guide you?
Talk to me naturally. For example, 'Give Feedback'
Get started with Joule
Update Name View Job Data
View Location Give Feedback
How can I help you?

DSP @Geberit



CONTACT

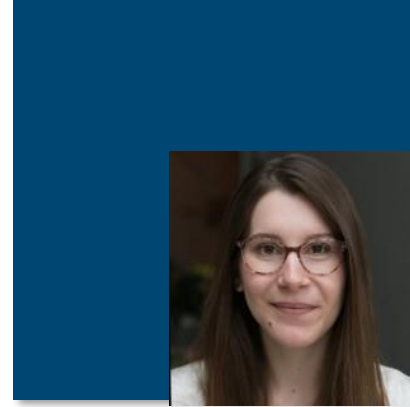


Marius Reck

Head of IT Business Support Applications

- HCM, HXM
- Finance & Controlling
- Analytics & Planning

marius.reck@geberit.com



Alessa Staiger

Senior IT Application Analyst

Analytics & Planning

alessa.staiger@geberit.com