

SAP BusinessObjects Business Intelligence 4.1 Release

February, 2014



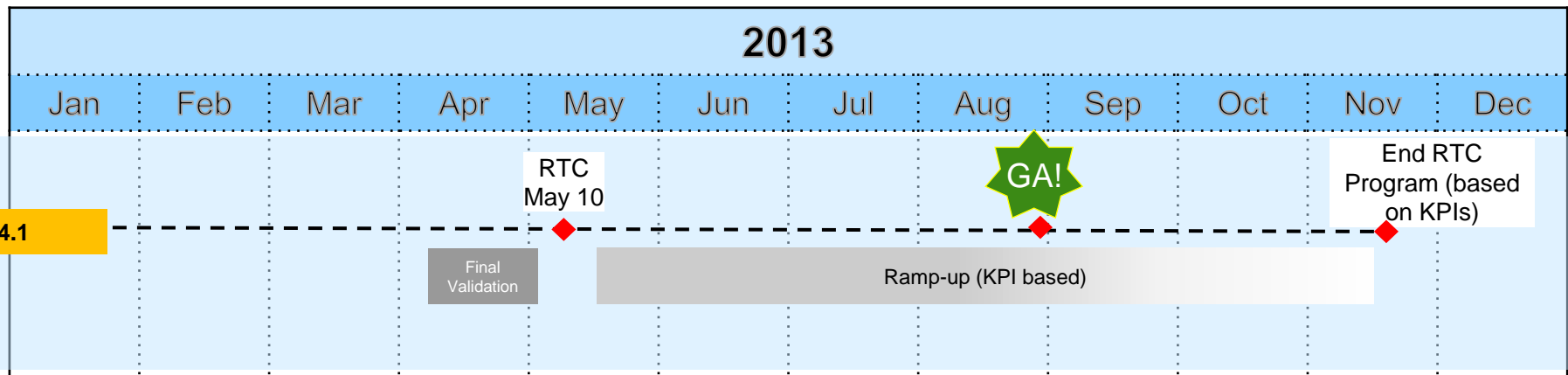
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BI 4.1 is available on SMP!

- Ramp up program ended 3 months early: all KPIs have been met
- Very positive customer feedback, who estimate that the quality is better than 4.0 FP3
 - One customer live with more than 10.000 users already
- **BI 4.1 SP1 (2?) is released, available as a full build on SMP**

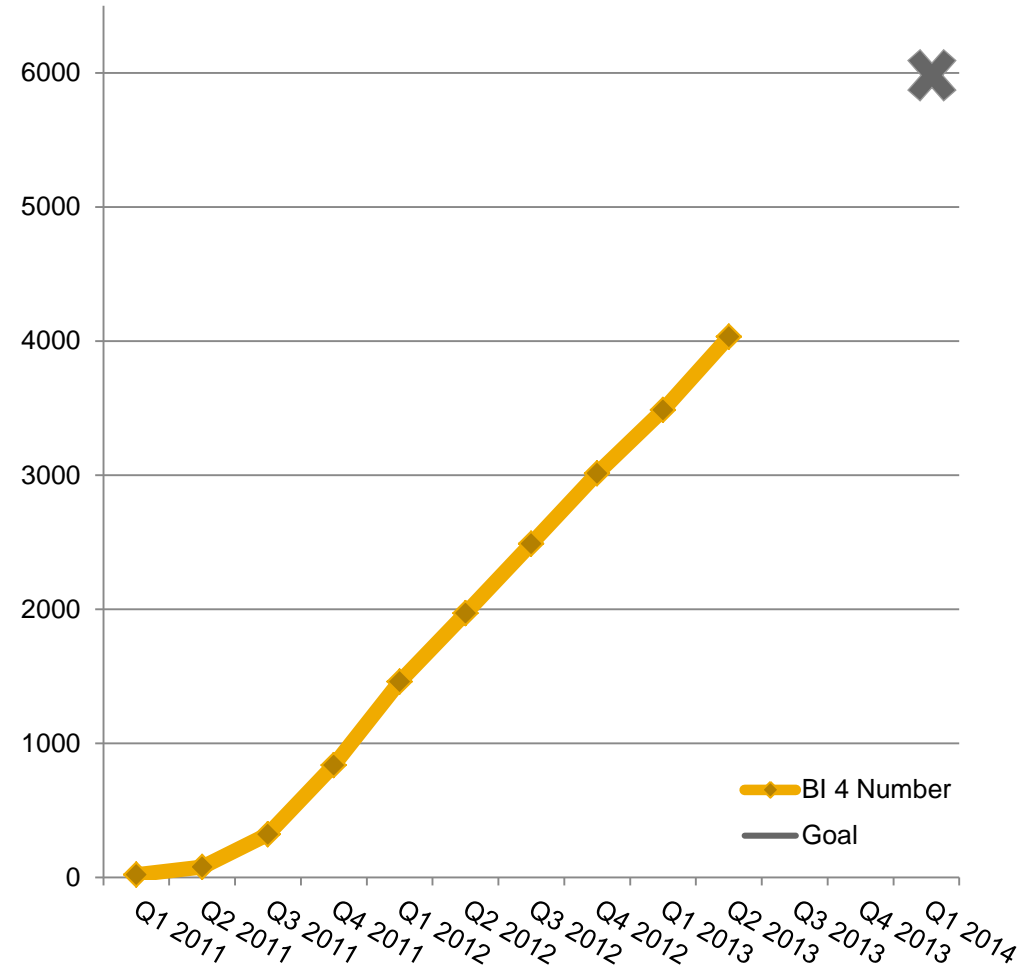


BI 4.1 Ramp-up Results

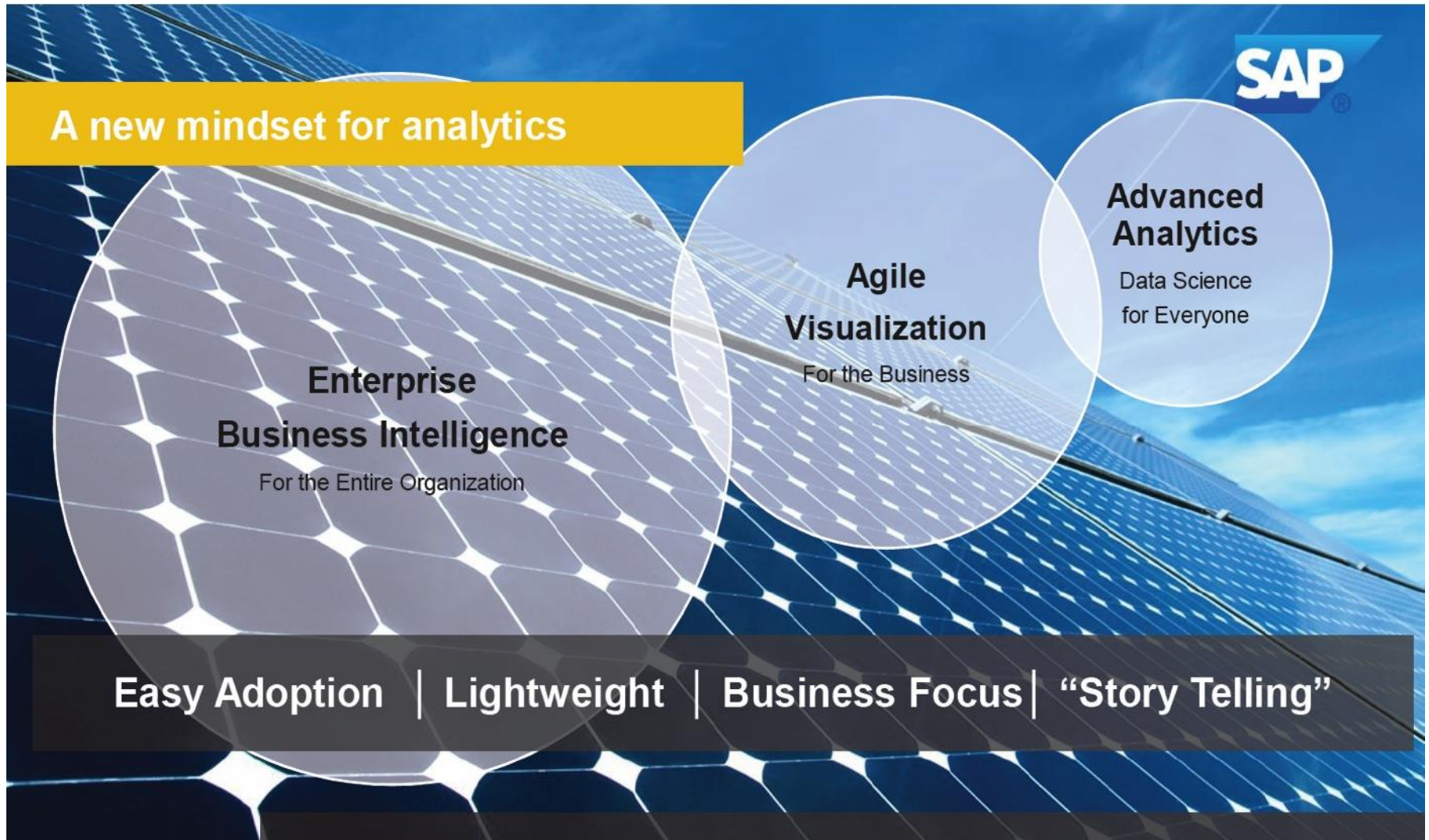
- Number of customer go-live in time 120% of target
- General customer feedback is that stability even better than BI 4.0 FP3
- Several live customers with 1000+ users, including one customer with 10,000+ users
- 30% of customers live are from EMEA

SAP BI 4 Adoption

- **4000+ customers** productive with BI 4.x
- **6000** estimated at the end of 2013



Key Business Intelligence Themes



SAP BusinessObjects BI 4.1

4.1



**First point
release of SAP's
market leading
Business
Intelligence
Suite**



**Focus on
quality and
innovation
deserving of a
professional
grade BI
platform**



**Core stability
and capability
improvements
from new
innovations to
incremental
product
advances from
4.0 to re-
introduced
features from
XI3**



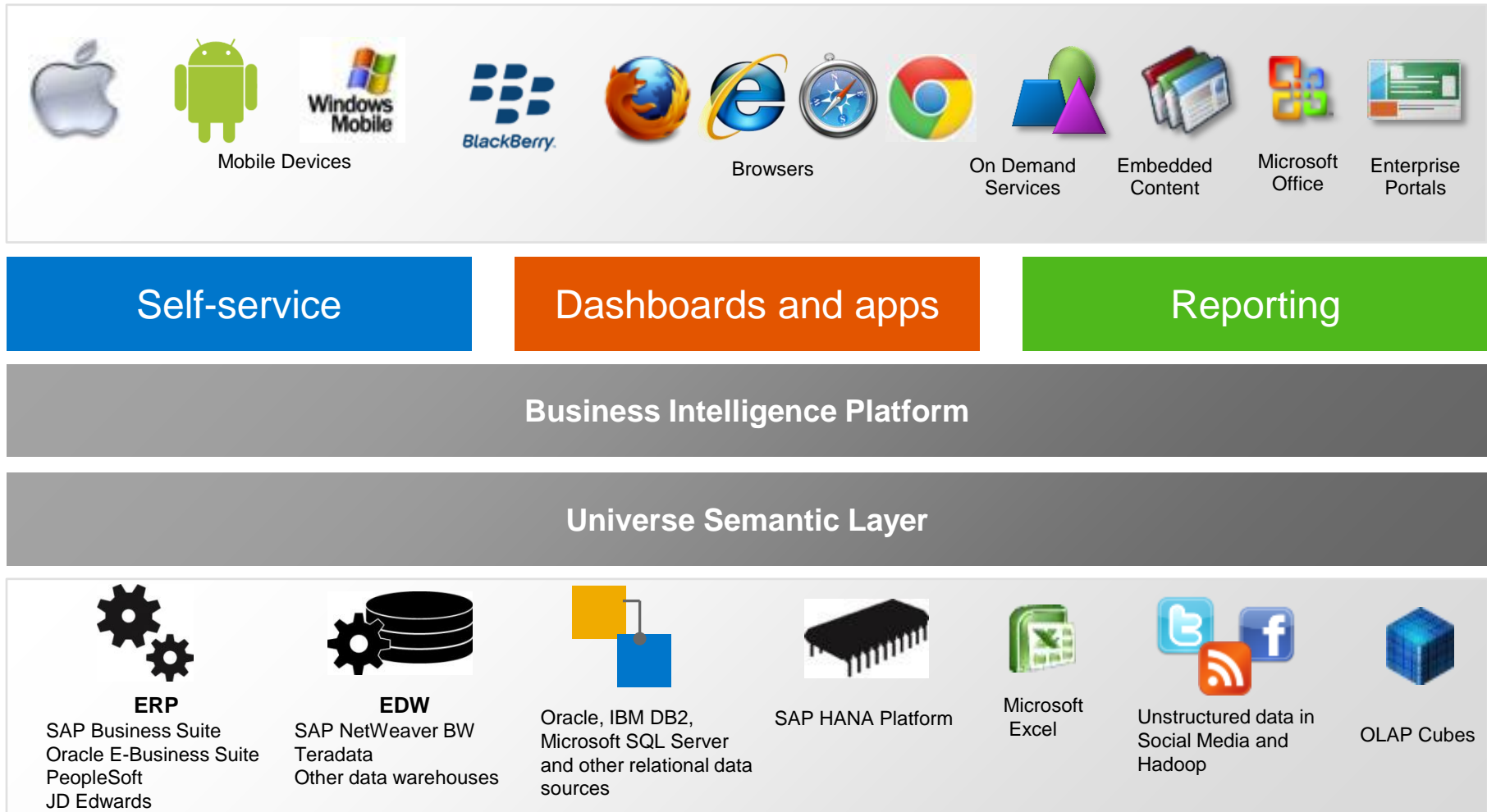
**All existing XI
R2 and XI3
customers can
migrate to this
newest platform
of SAP's BI
Suite**



**New capabilities
around self-
service,
dashboarding
and mobile BI**

**Support of both
net new and
updated
platforms**

SAP BusinessObjects BI 4.x: technology platform



Features by product areas

SAP BusinessObjects BI platform

- Core BI platform
- Self-service access to SAP BusinessObjects BI (BI launch pad)
- BI Workspaces
- Semantic Layer

SAP BusinessObjects BI client tools delivered with BI 4.1

- SAP BusinessObjects Crystal Reports for Enterprise
- SAP BusinessObjects Web Intelligence
- SAP BusinessObjects Explorer
- SAP Business Objects Dashboards
- SAP BusinessObjects Analysis, edition for OLAP

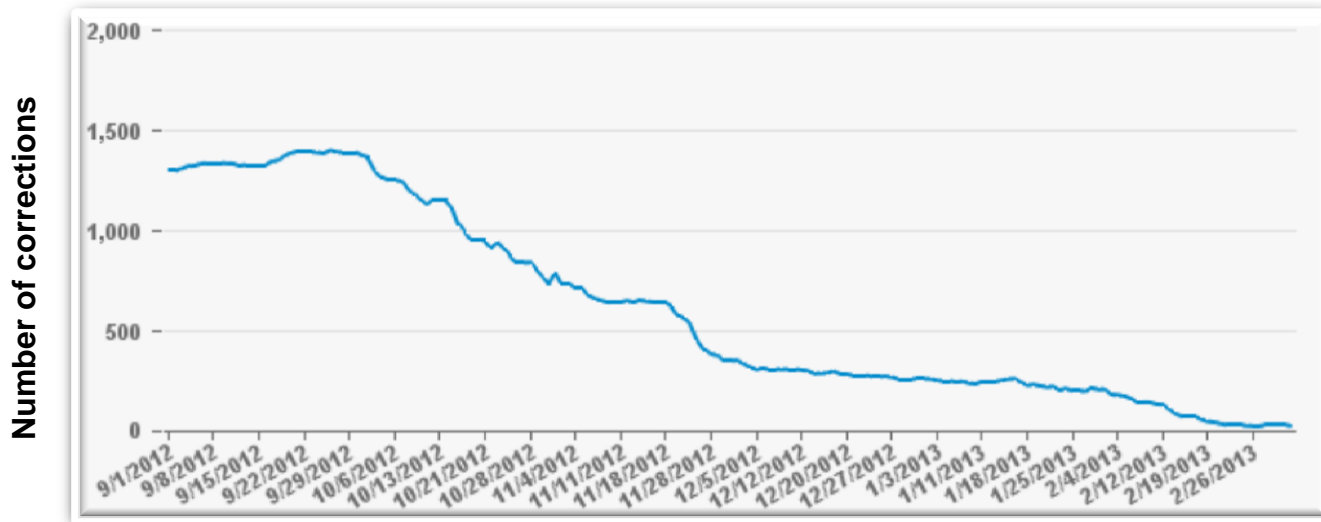
SAP BusinessObjects BI clients supported by BI 4.1

- SAP Lumira
- SAP BusinessObjects Analysis, edition for MSFT Office 1.4
- SAP BusinessObjects Design Studio 1.2
- SAP Business Objects Mobile BI 5.0
- SAP BusinessObjects Desktop Intelligence 3.1 SP6 FP6.1



4.1 Focus on Quality

Massive engineering focus on BI 4.0 customer feedback



Forward fit to BI 4.1 SP1 includes:

- 4.0 SP6
- 4.0 SP05 up to patch 5.7
- 4.0 SP04 up to patch 4.13

SAP BusinessObjects BI 4.1

Summary of new features



- SUP 2.2 & SUP cloud support
- QR Code & Barcode Scan Support
- Android for WebI & Dashboards

- Simplified deployment and migration tools
- More Multi-tenancy features
- RTL in CR, WebI, Launchpad & Mobile

Platform-Transversal

Single Mobile BI App

- Single Sign-on
- Automatic universe generation on HANA views
- Crystal Reports direct access to Analytic & Calculated Views incl. hierarchies & variables

SAP HANA

SAP Jam Collaboration

BI 4.1 New Features

Access More Data

Developer

Desktop Intelligence Compatibility

Dashboarding

SAP BW & ECC

- Offline mobile and desktop dashboards
- More visualizations

- RESTful Services, SL Authoring, WebI, Mobile, Mobile Dashboards, etc.

- Oracle Exadata, Oracle OLAP, Oracle Essbase, Hadoop on Amazon Elastic MapReduce, Teradata 14, Teradata OLAP, OData, XML, Web Services

- Variable Variant Support (A OLAP, Design Studio)
- Publishing (A Office)
- Convert analysis to Mobile (A OLAP, A Office)
- Combine Universes with BEx Queries to abstract the field names



Support for new data sources

Big Data Ready

- Hadoop with Hive on Amazon EMR

New non-relational sources

- oData
- XML and web services (SOAP)

New relational sources

- Teradata 14 / SSO for Teradata
- Oracle Exadata
- SQL Server 2012
- DB2 10 for zOS via JDBC, DB2 for zOS 10.1, DB2 LUW 10 & 10.1, DB2 for i v7.1
- Sybase ASE 15.7, SSO for Sybase IQ
- Oracle via ODBC (in addition to OCI and JDBC)
- PostgreSQL 9
- Greenplum 4.1 & 4.2

All together

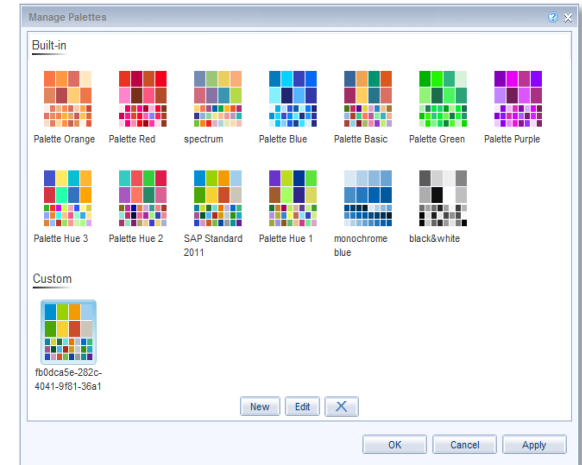
- 13 vendors
- 30 sources (plus the generic drivers)
- Several versions

A total of **191 possible combinations**



WebI: Quality, Performance and Enhancements

- Custom color palettes
- Freeze table headers
- Enhanced merge of hierarchies
- Edit merged objects
- Select members in lists of values in formula editor
- Create/edit BW/BEx reports: up to 80% faster than 4.0 to open query panel with BW 7.30
- Refresh BW/BEx reports with variables: up to 50% than 4.0 to refresh reports with variables, and display variable
- See [youtube video](#) for more details





Migrate Desktop Intelligence users

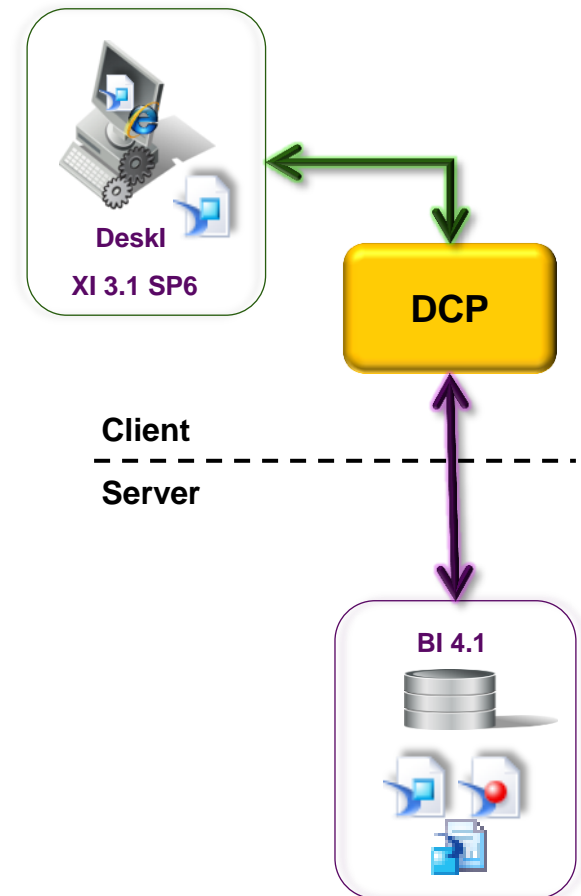
Desktop Intelligence Compatibility Pack (DCP)

Provides Desktop Intelligence users with the ability to work with BI 4.1

- Desktop Intelligence users and reports are managed from the 4.1 management console
- Limited viewing of Deskl reports in Infoview (no Deskl server processes), need pdf output
- Desktop Intelligence report scheduling limited to Windows scheduling

Availability with XI 3.1 Fix Pack 6.1 and above

No change to Desk 3.x end of support (2017)





Support the Developer Community

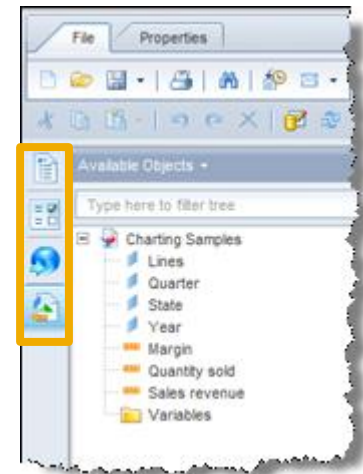
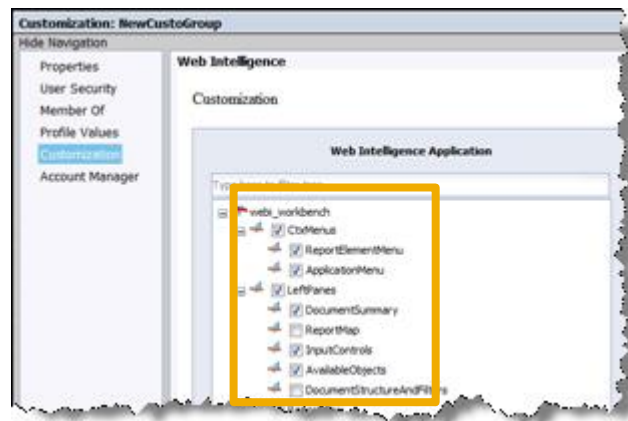
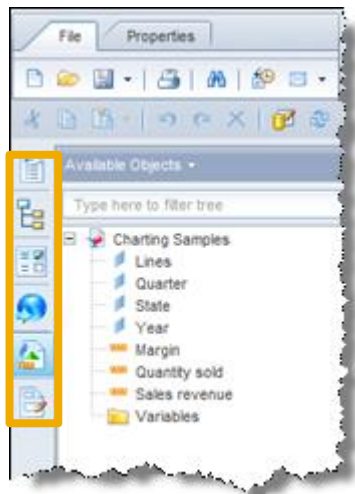
Full SDKs for Platform, Crystal, WebI and Semantic Layer

Embed Web Intelligence functionality with RESTful Web services API

- Create/consume/schedule documents
- Create/edit data providers

Personalize Web Intelligence user experience

- Control UI elements and functions / User-based settings in CMC





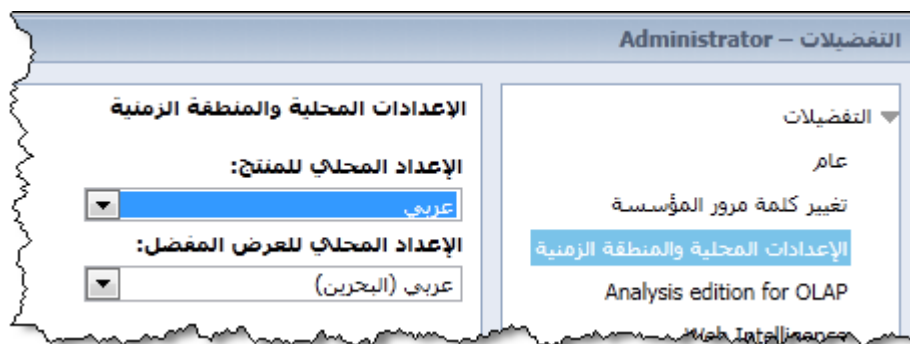
Simplify Global Deployments

Deploy to Arabic countries

Right-to-left user experience

- Arabic locale triggers right-to-left user interface¹
- Document created in Arabic locale reads right-to-left

Arabic support



(1): Rich client and applet interface only

Hebrew support coming in 4.1 SP3

BI 4.1 New features by product

Platform

- Tenant-based session management
- 3rd party authentication auto-mapping
- Simplified/parallel install

Universe Semantic Layer

- HANA variables and input parameters
- .unx Java SDK
- Data Fed Designer in IDT
- Auto HANA .unx creation

Upgrade Management Tool

- Service dependency check

Web Intelligence

- RESTful Web services
- Freeze Header
- Custom Palettes
- Relational Query Stripping (including HANA)

Explorer

- E-Views in BI Workspaces
- Free facet loading
- Explorer in Mobil
- Object remapping
- .unv support

Dashboards

- Offline
- Refresh on device

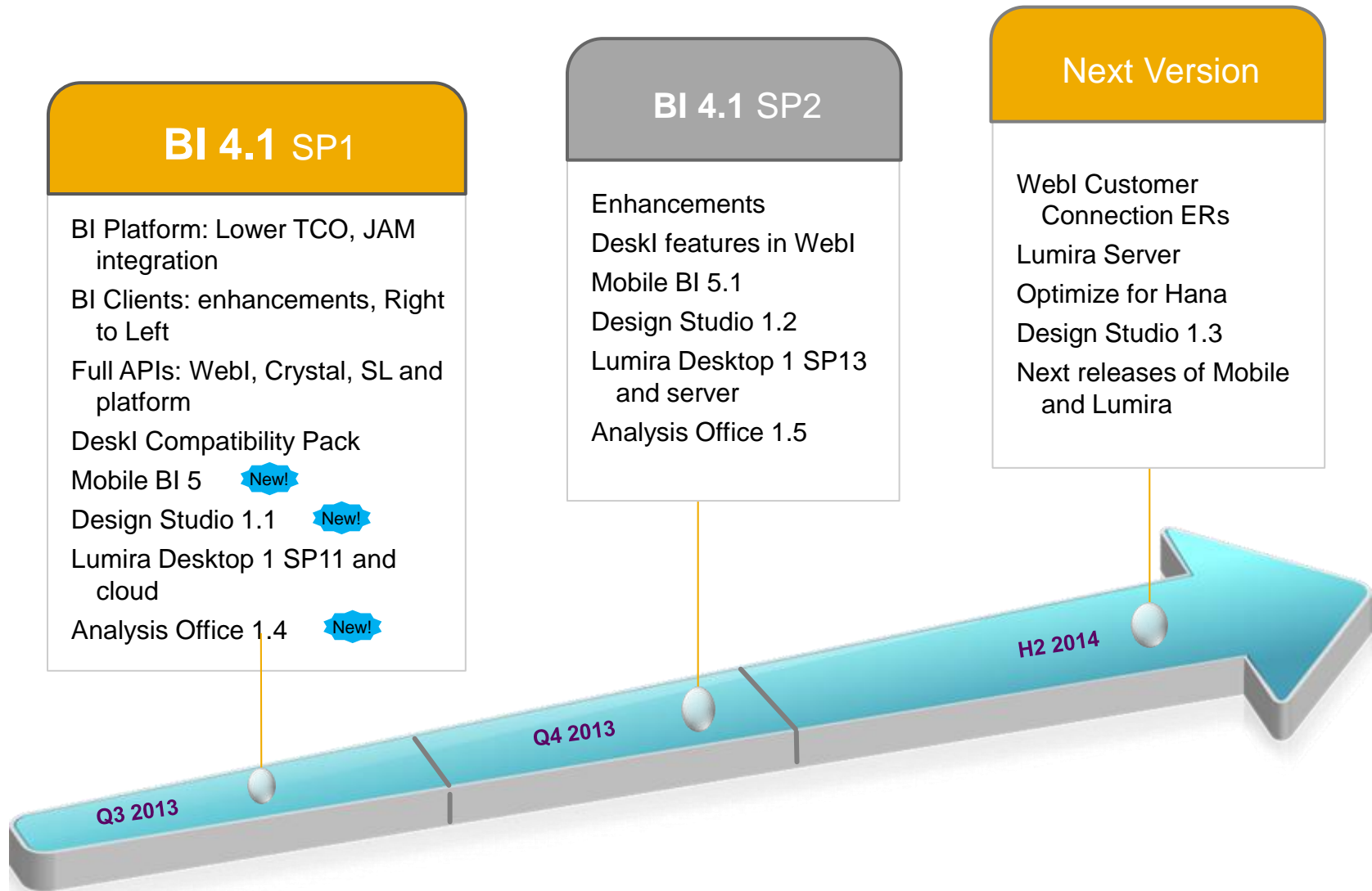
Analysis for OLAP

- Essbase Support
- RRI & OpenDoc
- Variants
- Prompt Merging
- Manual Prompts

CR for Enterprise

- Join modeled and un-modeled sources
- HANA OLAP access
- Freehand SQL

BI 4 Suite roadmap



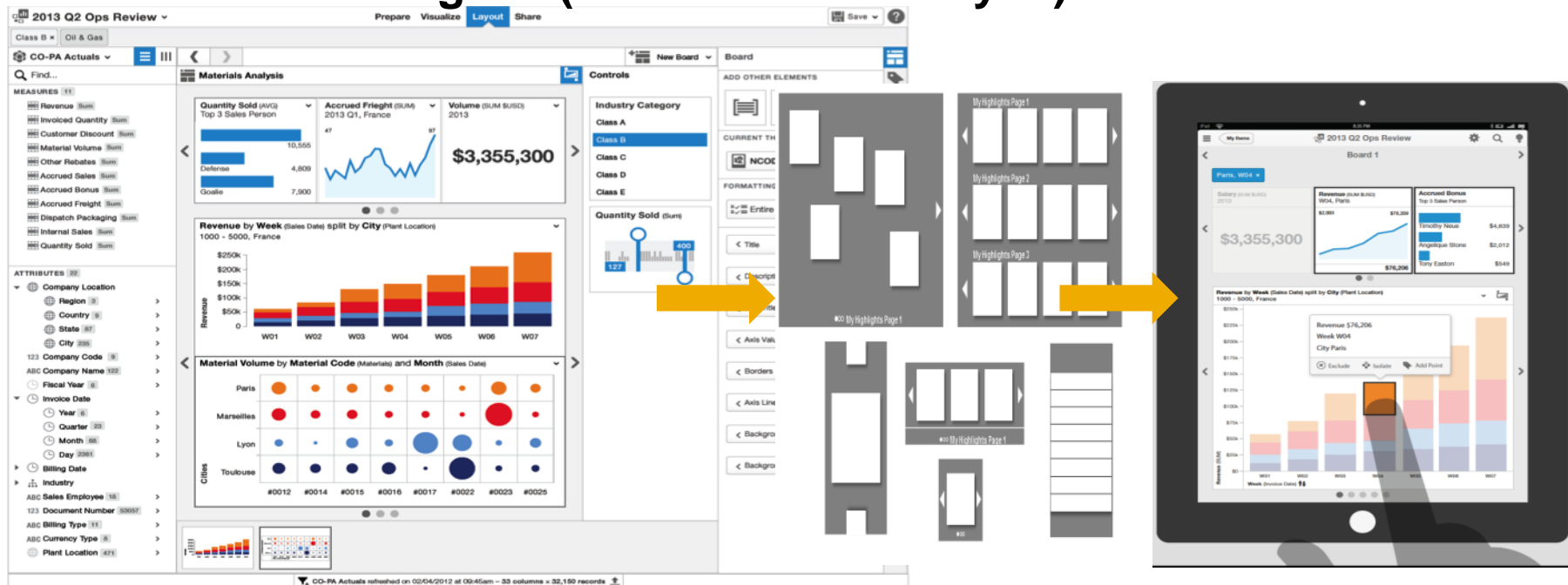
Web Intelligence enhancement requests

Example: remaining Desktop Intelligence features

Desktop Intelligence feature	Planned availability in Web Intelligence
Custom grouping	Planned 4.1 SP2
Excel data provider	Planned 4.1 SP2
Export to HTML	Planned 4.1 SP2 via REST API
Scheduling with export to HTML	Planned 4.1 SP2 via REST API
Scheduling with export to TXT	Planned 4.1 SP2
Free-Hand SQL	Next release 12 to 18 months

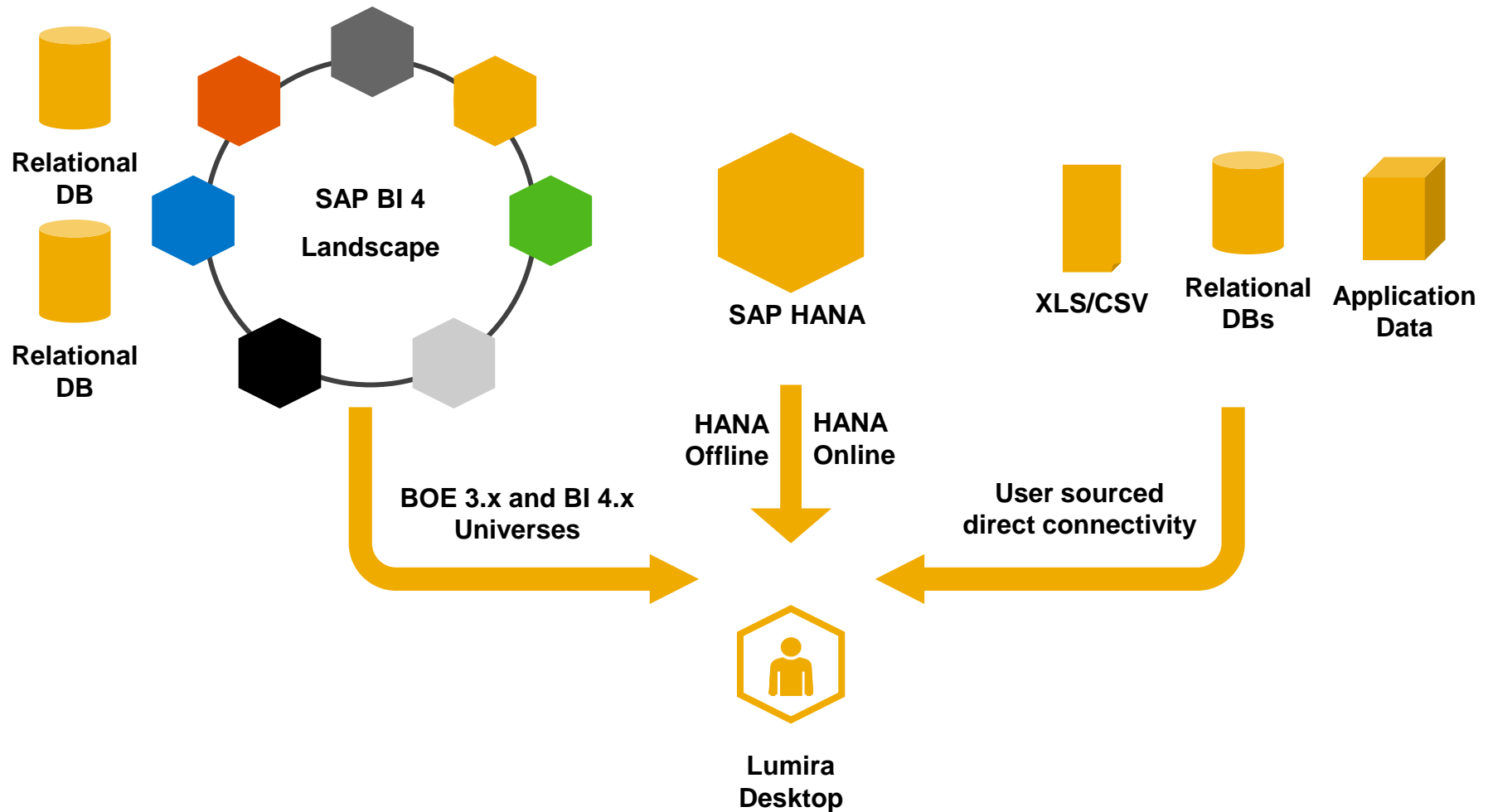
Allowing Users to Build & Share their story

- Easily organize your analysis to tell a story
- Pick a template for print or mobile consumption, customize formatting
- Share with colleagues (team or secured by IT)



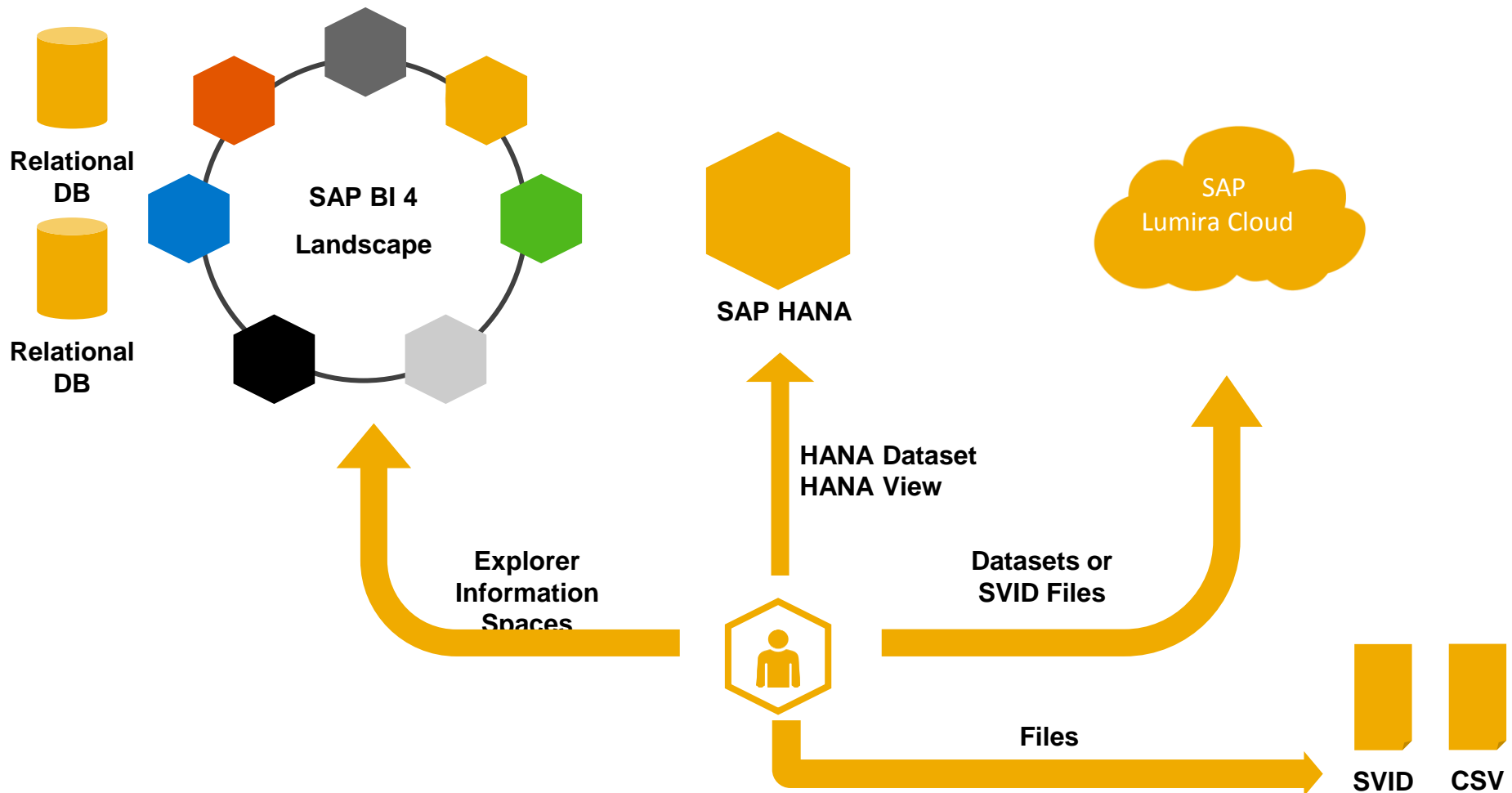
Data Acquisition Overview

Many Input Sources – Including BOE Universes

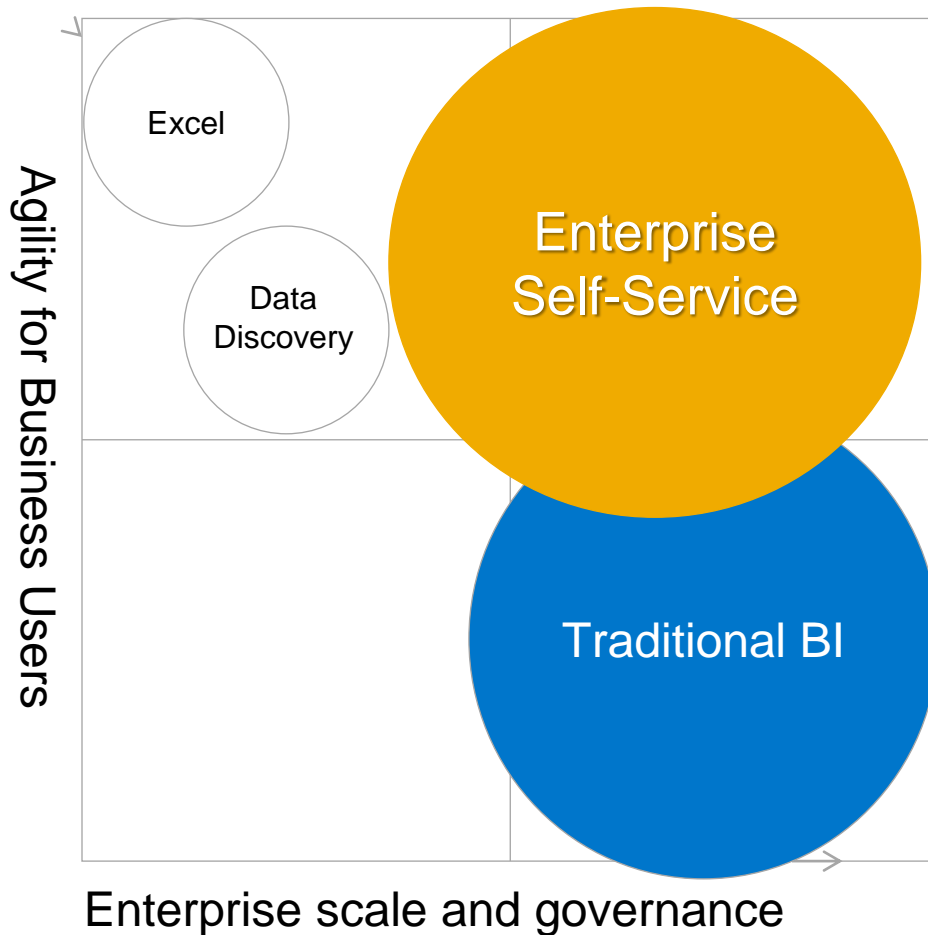


Publishing SAP Lumira Content

Sharing Insights Across the Organization



Enabling the *Enterprise* Self-service



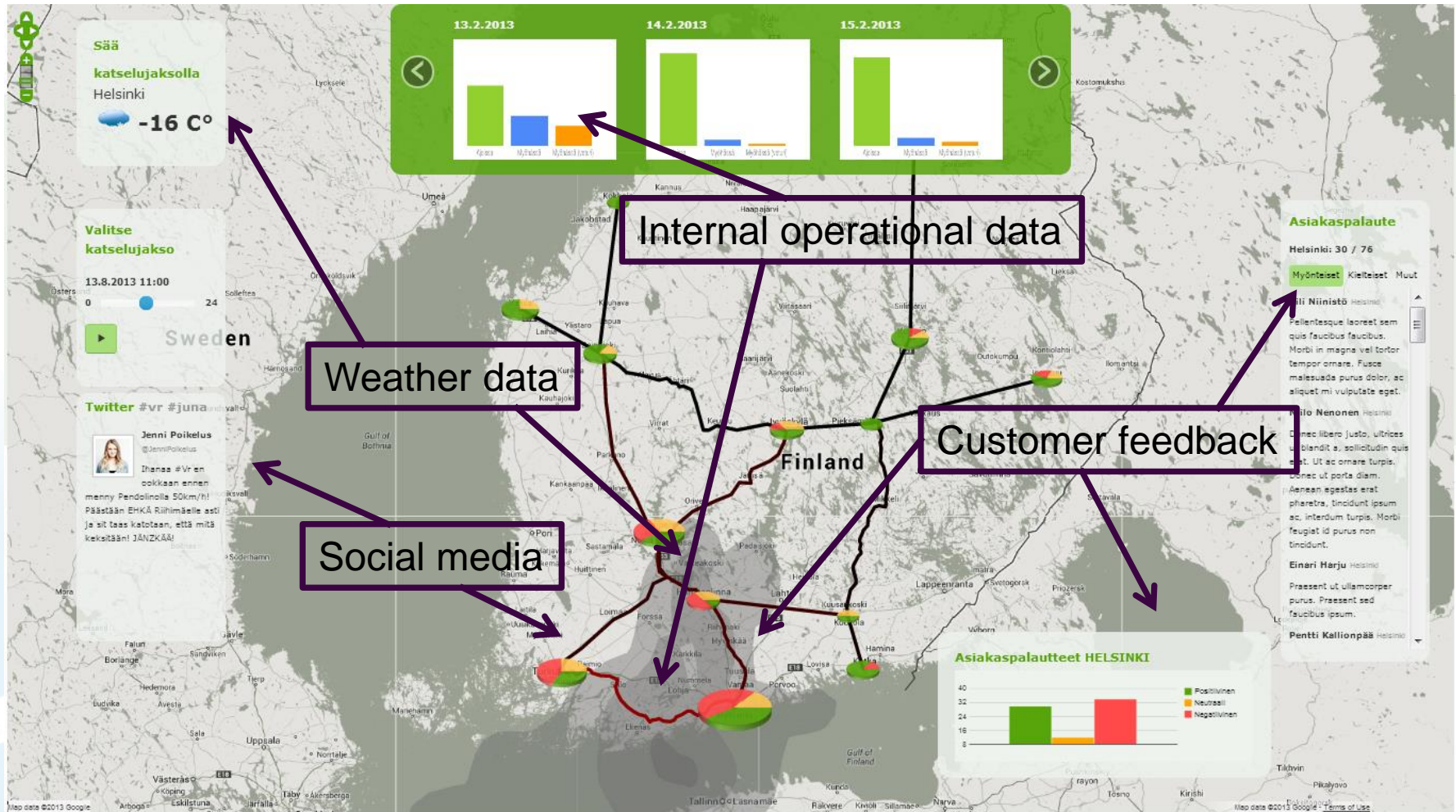
Customers want:

AGILITY for business users

+

The ability to **SCALE** and **GOVERN** BI strategically across the organization.

Example: Dashboard with internal and external data sources





40+ years of innovation, and
we're just getting started.

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SAP

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