

Staattisesta raportoinnista reaaliaikaiseen ennakoivaan analytiikkaan ja suunnitteluun – Tiedon hyödyntäminen valtionhallinnossa

Teemu Jokinen, SAP
May 10, 2022

PUBLIC

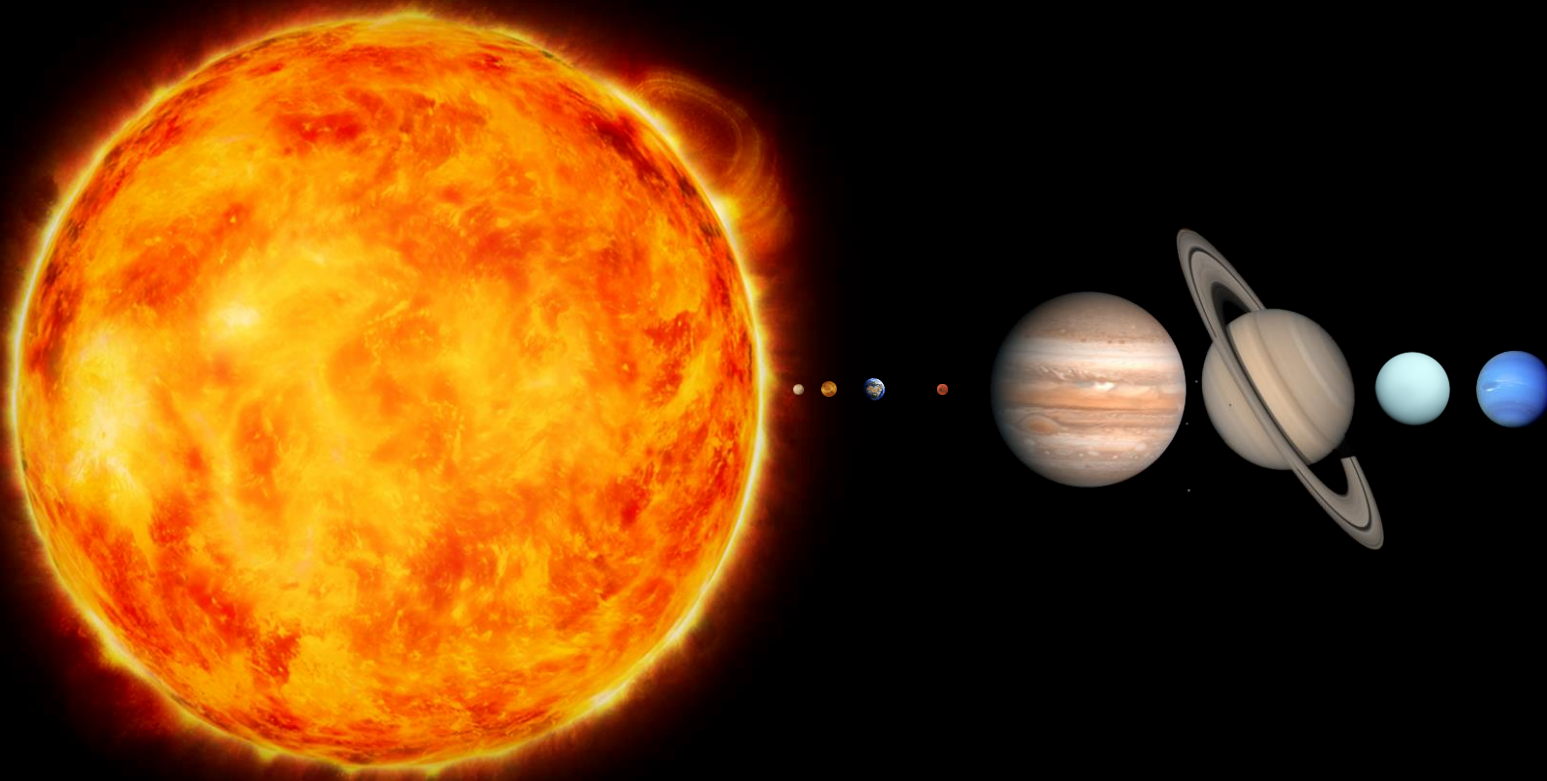
THE BEST RUN 

The Global Data Sphere



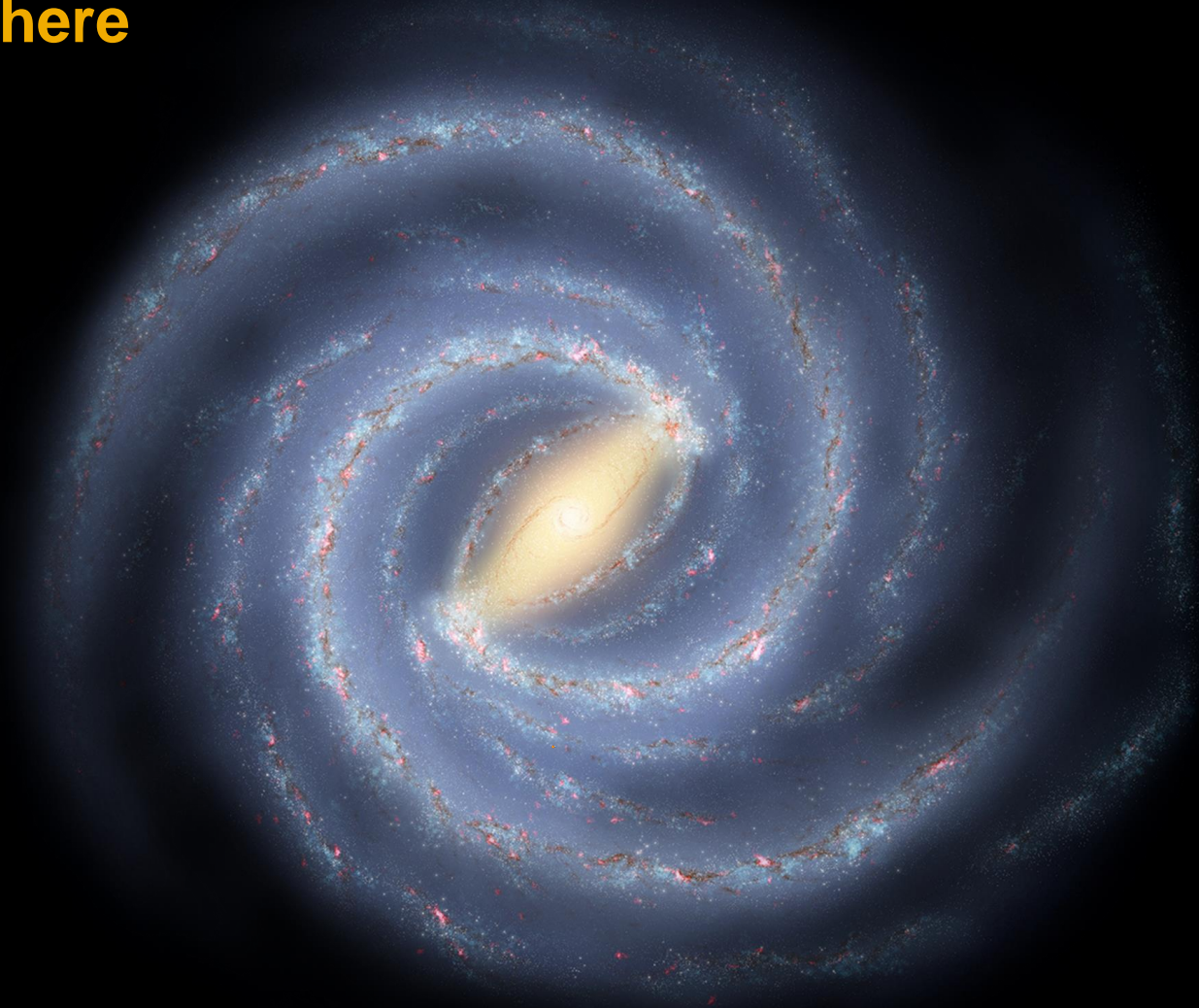
10 Megabyte

The Global Data Sphere

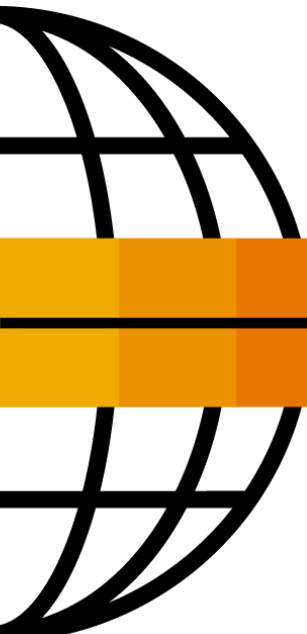


1 Terabyte

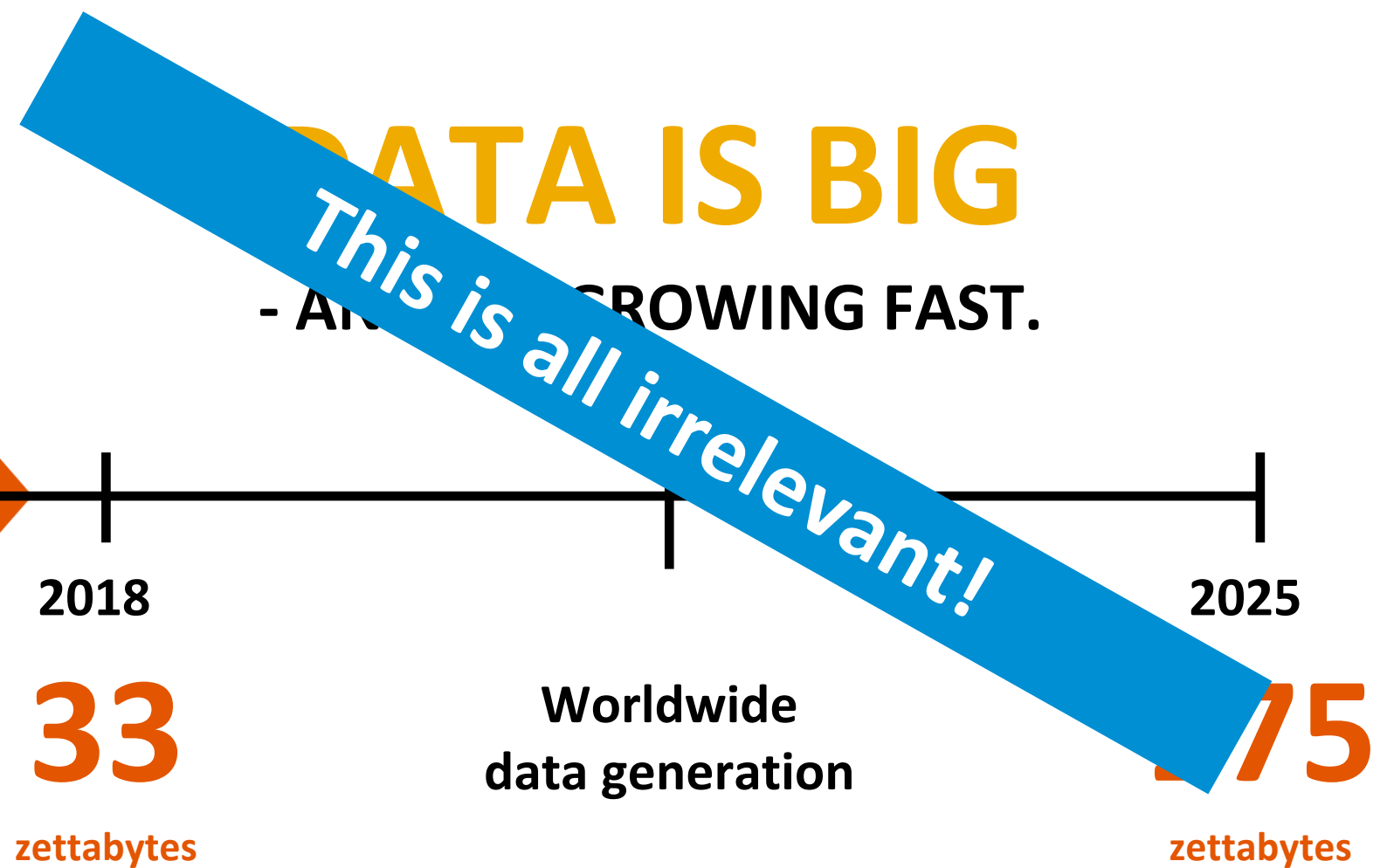
The Global Data Sphere



200.000 Petabytes



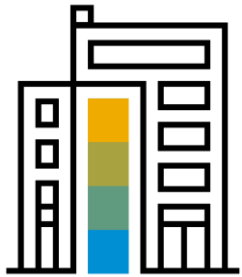
DATA IS BIG
- AND GROWING FAST.



**Data ei tuota arvoa jos se ei ole
käyttökelpoista**

The Analytics Landscape Is Changing

Customers have large
on premise investments



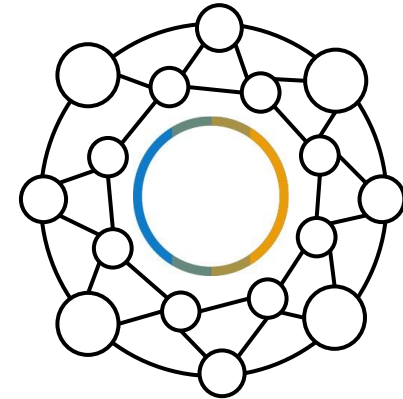
Many existing workloads will stay
on premise for the next few years.

New IT Spending
is moving to the cloud



For new applications
and projects.

Analytics Innovation
is in the cloud



Customers will adopt the cloud
to benefit from it.

The Evolution of Decision Making

Enterprise Reporting

Historical
Static & Linear
Top-down
Costly



IT

Curated data models and reports operationalized for the enterprise

Self-Service Analytics

Dynamic
Fast iterations
Distributed

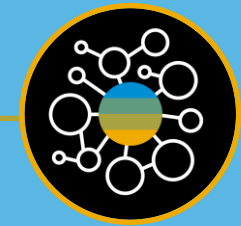


Analyst

Data & visualization tools for self-service storytelling

Augmented Analytics

Intelligent
Automated
Predictive



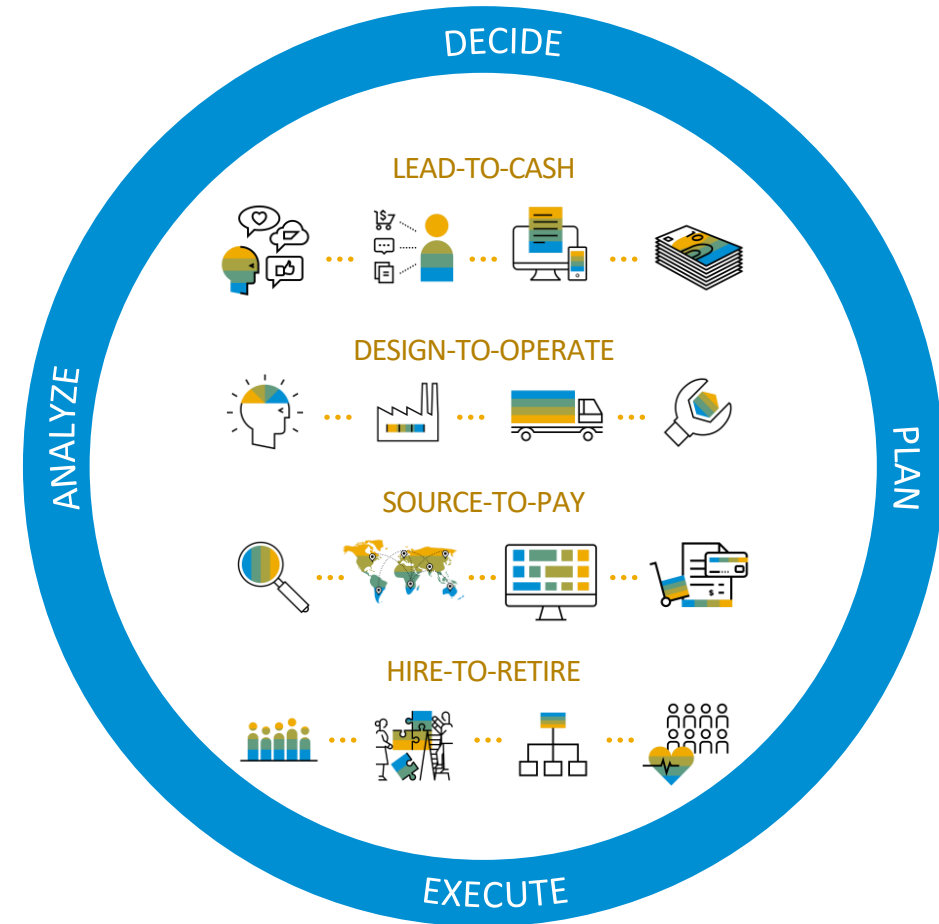
Everyone

Smart search and augmented insights for cost center managers, line managers, finance managers, category managers, branch managers, suppliers, customers, etc.

Data Democratization: Shifting insight to everyone

Data and analytics leaders are business leaders

- SAP data is the **most valuable enterprise data**
- Created from the **most important processes**
- Informing the **most impactful decisions**



Today's reality: **An Information Gap?**

Business



Interactive User



Power User



Story Designer



Analyst/Planner



Controller



Business User

- Single Version of the Truth?
- Time to Value?
- Agility and Flexibility?
- Limited data access?
- Spreadsheets and data silos?
- Multiple Definitions?
- Lack of Trust?
- Out of date data?

- Move to Cloud?
- Data Explosion?
- Workload?
- Governance?
- Shadow IT?
- High Costs?
- Multiple tools?
- High admin?
- Multiple Extracts?
- Lack of security?
- Compliance?

IT



Data Scientist



Data Modeler



App Developer



Data Engineer

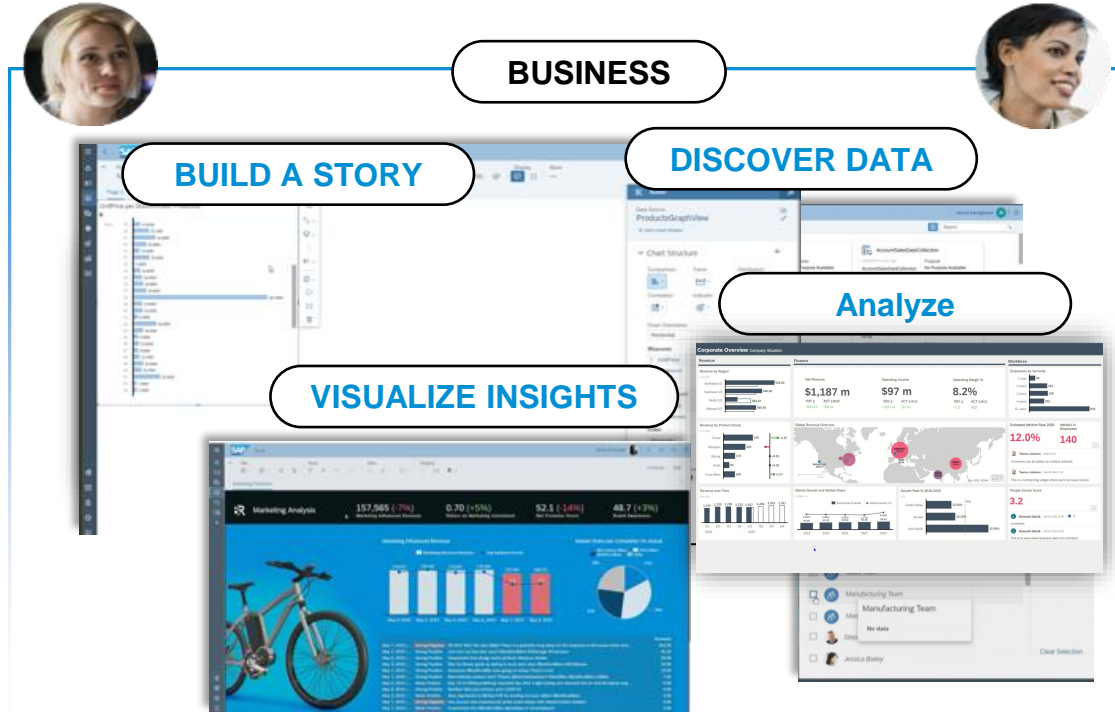


Data Steward



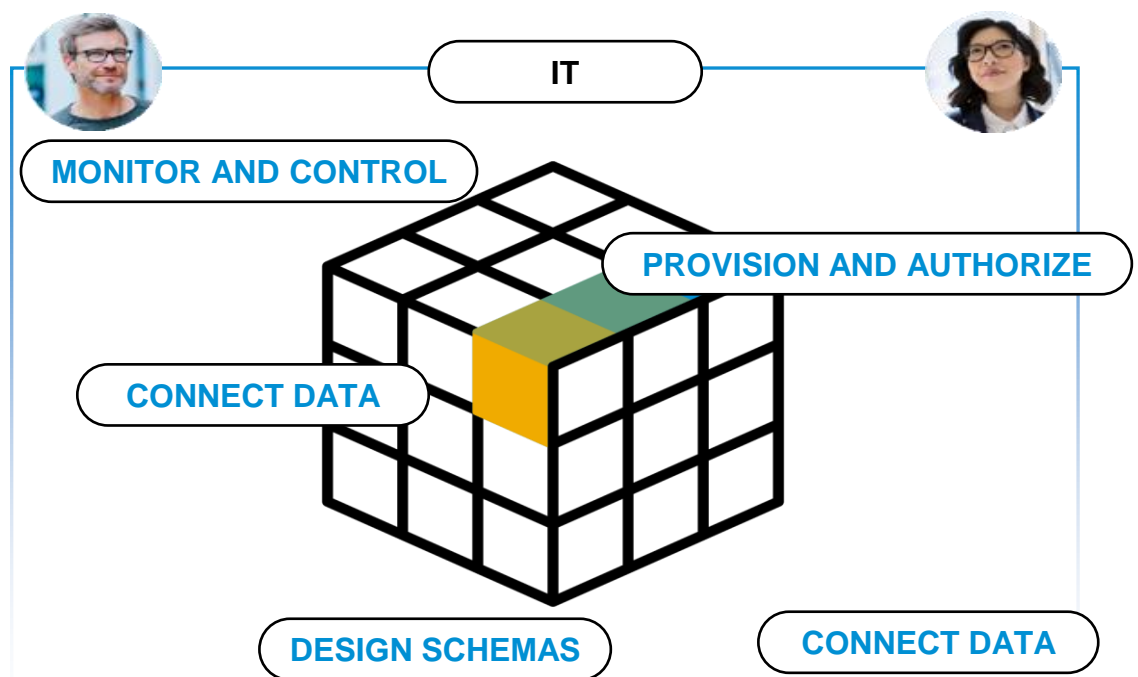
Admin

Empower the line of business to transform data into insight *and* IT to govern data at the speed of business



- Dedicated working space for modeling and data analysis
- Point-and-click access to corporate and external data
- Out-of-the-box advanced analytics for superior experience
- Easy to share insights without duplicating data – one truth

SAP ANALYTICS CLOUD



- Required compute and storage resources for specific projects and teams
- Centrally monitored consumption for cost control and accountability
- Enterprise-class data governance for trusted insights

SAP BW

Gain trusted insights without delay

Self-Service Analytics to Design & Consume Interactive Dashboards & Visualizations



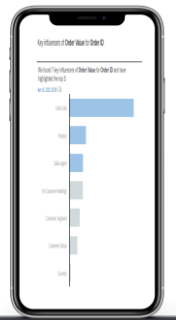
Jane
Business User

"I want to see my latest sales forecast on my mobile device and share with my team."



Mary
Story Designer

"I want to design a self-service template to view the business performance in lines of business"



- Extensive visualization library, geo maps powered by ESRI and custom R visualizations
- Define custom calculations, calculated dimensions, aggregations and more
- Display variance, dynamic text, custom tooltips, CAGR and more
- Easily comment, collaborate and share content via document link with other users

Intuitive Self-Service **Data Exploration and Collaboration** for the Business Personas



Ivo
Info-Worker

"I want to answer ad-hoc business questions quickly and independently of an analyst."



Cora
Controller

"I want to get a structured view of the company's financial performance across different dimensions."



Aidan
Analyst

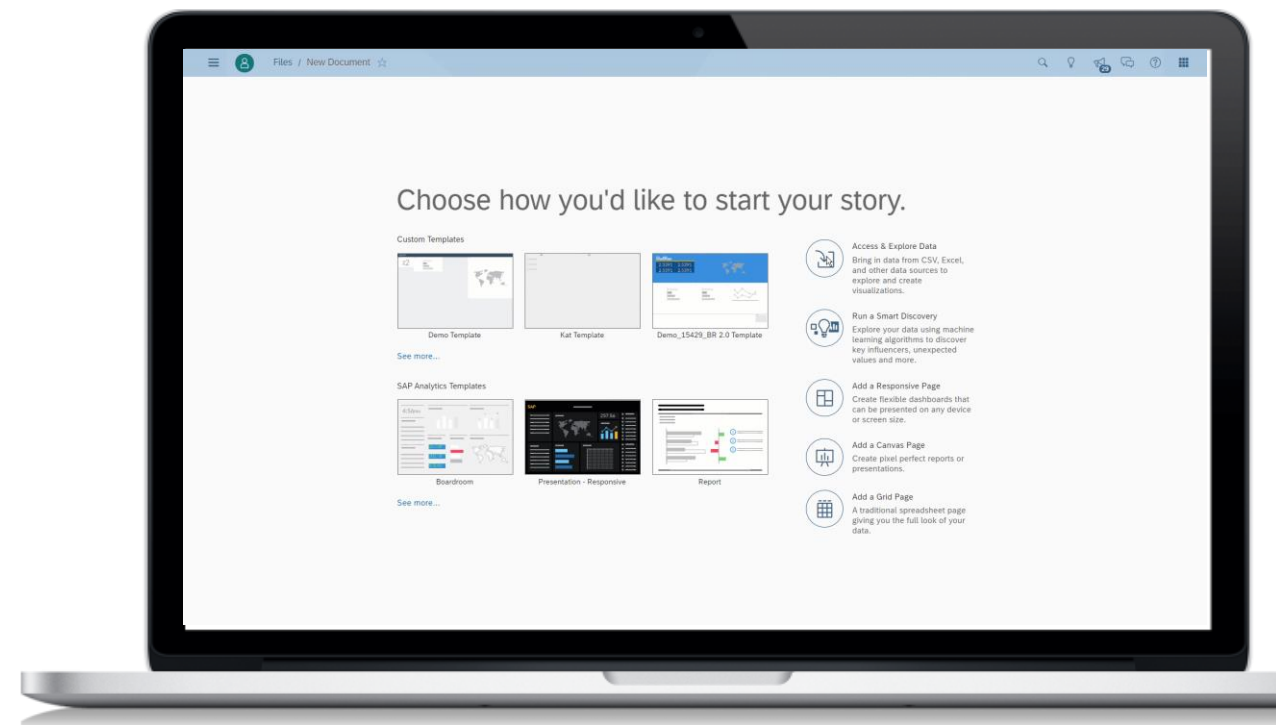
"I want to analyze the data for the leadership based on business hypothesis or find insights/trends."

- Ad-Hoc Explorations on Governed Data and save Insights as Bookmarks

- Get Actionable Insights and in the context of a Business Applications

- Collaborate with other users and share Insights with comments

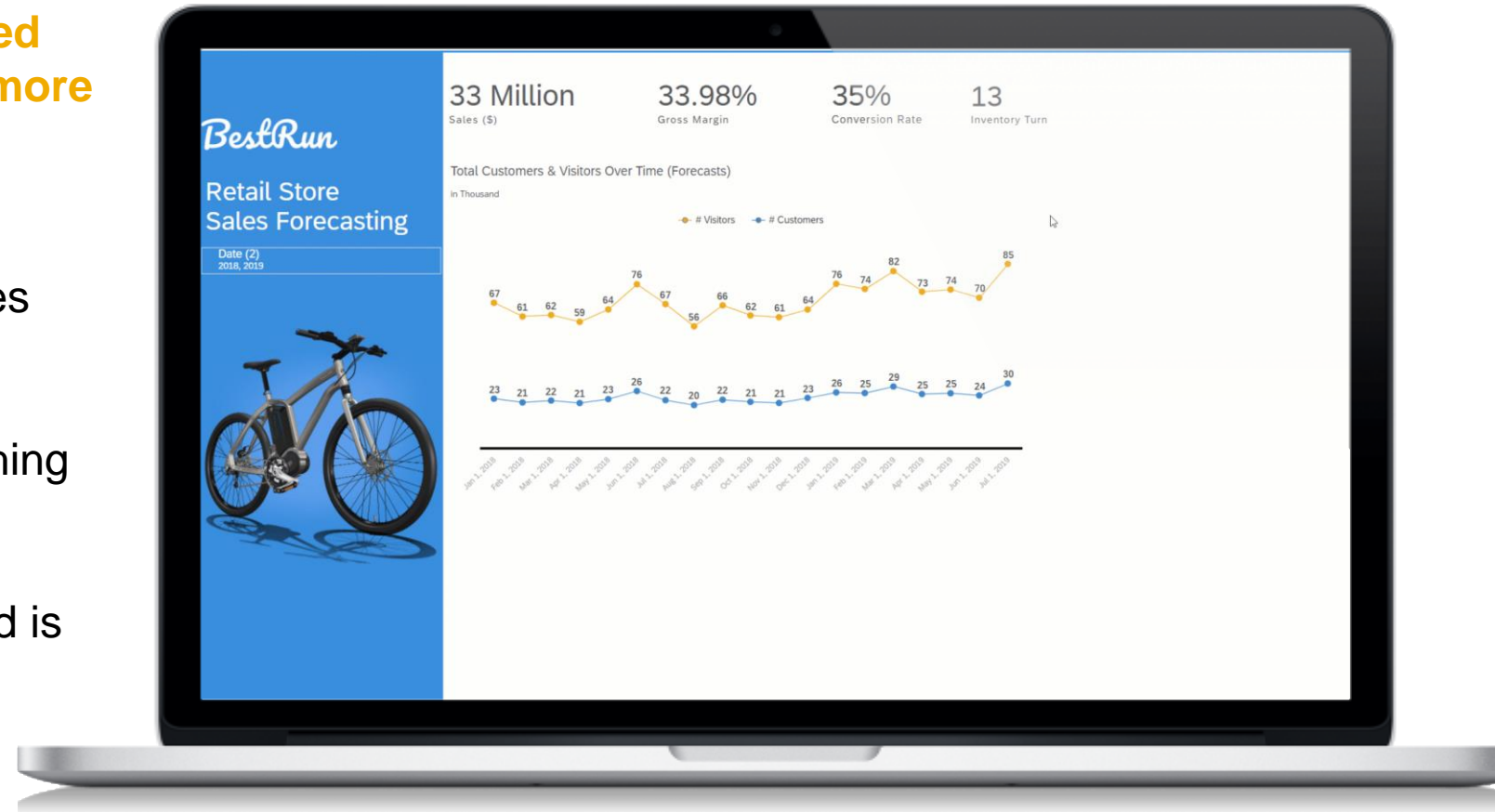
- Further explore data in the context of Stories and Analytic Applications



Time Series Forecasting

Predict future values of a series based on historical data to help you make more confident decisions

- Automatic forecasting on time series charts, line charts and planning tables
- Apply advanced options like linear regression, triple exponential smoothing and include additional inputs
- Forecast quality based on MAPE and is displayed as 0-5 rating



What-If Analysis

Simulate “what-if” scenarios to test possible outcomes and make more confident decisions

- Perform what-if visually with widgets and value driver trees, or within a table
- Simulate from top to bottom or bottom to top
- Simulate questions like:
 - What if you increase discount by 20%?
 - What if you hire more staff?
 - What if costs of goods increased?



Extended Planning & Analysis

Remove barriers between Planning & Analysis

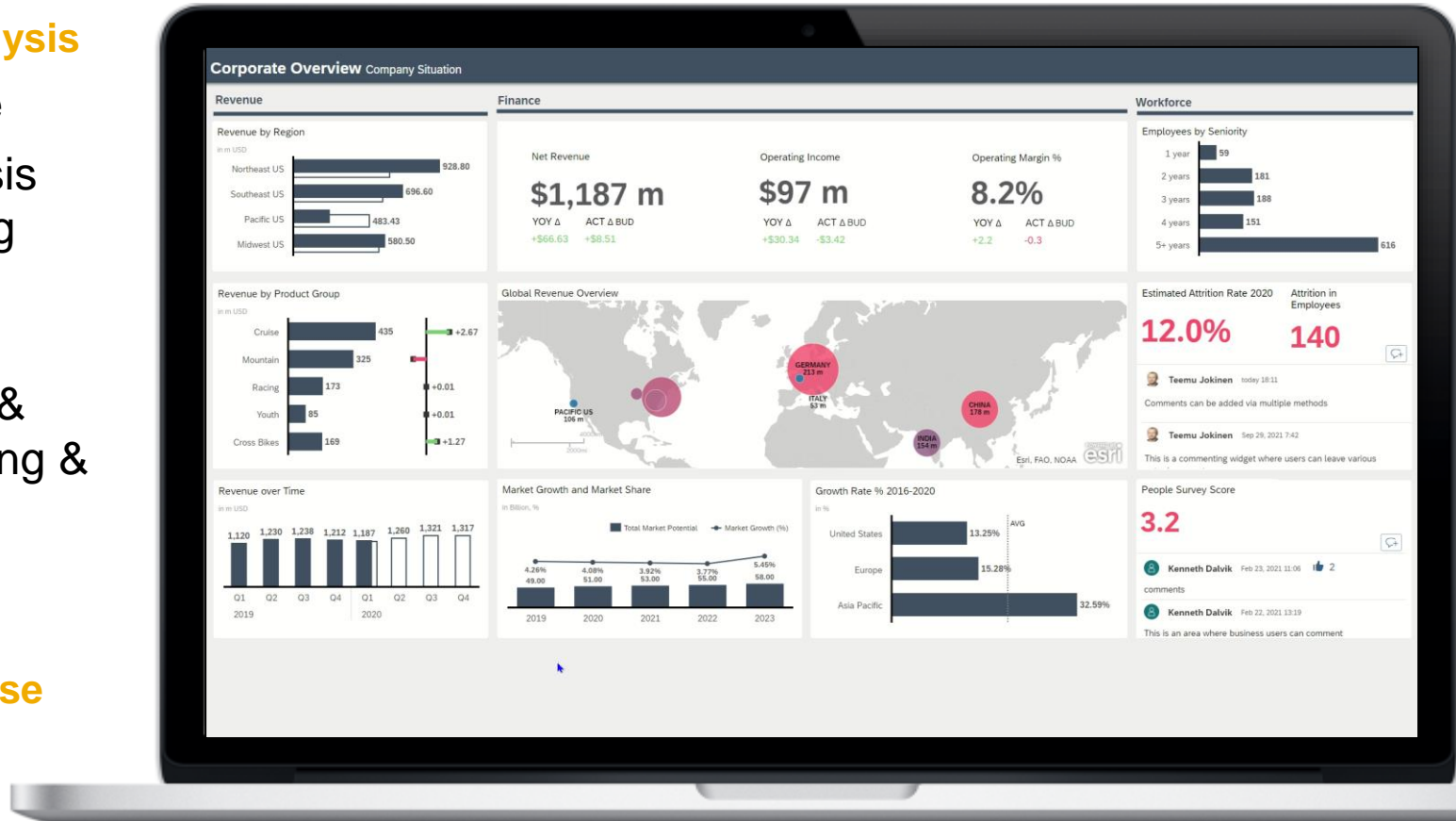
- Integrated BI, Planning, and Predictive
- Agile, streamlined planning and analysis with native collaboration & commenting

Access powerful planning capabilities

- Customized data spreading, workflow & process management, unique versioning & simulation tools, and robust scenario analysis

Deliver planning for an Intelligent Enterprise

- Consolidate planning onto a single platform by leveraging best-in-class connectivity to SAP solutions, and pre-delivered Best Practice content to realize accelerated time-to-value

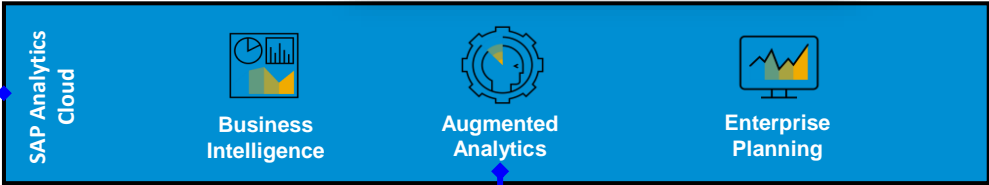
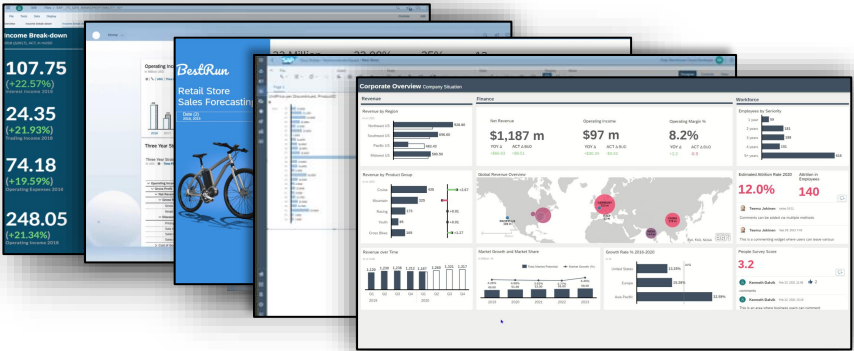


Raportointiarkkitehtuuri SAP Analytics Cloudilla

High-Level

Raportointi- & analytiikkakerros + suunnittelu

Natiivin SAP integraation avulla data voidaan lukea SAP BW tietovarastosta tai suoraan SAP S/4HANAsta reaaliaikaisesti.



Natiivi SAP Integraatio

Natiivi SAP Integraatio

Natiivi SAP Integraatio

HANA integraatio

SAP

SAP

3rd Party

3rd Party

Julkipilvi

Palomuuuri

Transaktionaalinen data ei siirry missään vaiheessa palomuurin sisältä julkipilveen

Tietovarastokerros

Integraatiot

Datalähteet

From Business Layers to **Interactive Stories**. Why move to SAP Analytics Cloud?



ANALYZE, PREDICT AND PLAN

BI and planning, augmented with the power of machine learning.



SELF-SERVICE ANALYTICS

Connect, explore, and create, then share and collaborate on desktop or mobile.



AUTOMATED PREDICTIVE INSIGHTS

Smart features automatically discover hidden correlations in your data for you.



CONVERSATIONAL ANALYTICS

Ask questions of your data in natural language and get answers visualized instantly, on desktop or mobile.



INTUITIVE DATA EXPLORATION

Explore data with ease; connect to data models then point and click to filter, drill, visualize, and add visualizations to stories



SIMULATE WITH WHAT-IF ANALYSIS

Perform what-if analysis and simulate outcomes with ML or visualizations.



ENTERPRISE CONTENT CATALOG

Simplify and centralize access to all analytics, to increase user adoption.



FREE PRE-BUILT BUSINESS CONTENT

Jump start your enterprise analytics with content for industry and line-of-business.



MOVE TO CLOUD AT YOUR OWN PACE

Continue to leverage existing on-premises investments from SAP Analytics Cloud and move to full cloud analytics at your own pace.



SCALE AND INNOVATE IN THE CLOUD

Scale instantly to the cloud with a fully managed software-as-a-service solution; innovations are delivered automatically every quarter.

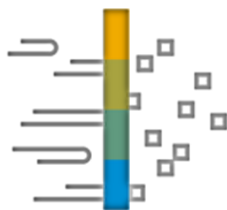
Get started on the self service journey



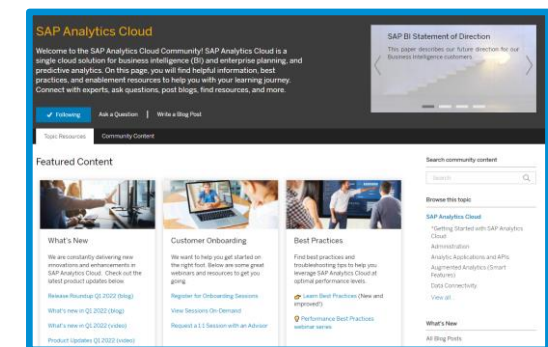
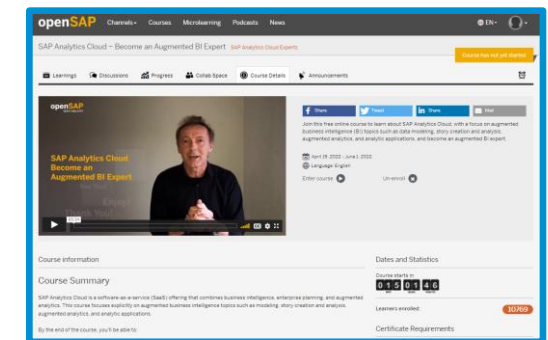
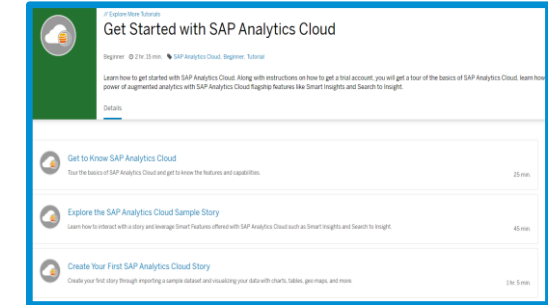
- All users can self learn with SAP Analytics Cloud [Onboarding Materials](#)



- Power users can go deeper with the OpenSAP [SAP Analytics Cloud BI Expert](#) (starting April 19th)



- SAP [Analytics](#) & [Data Warehouse Cloud](#) communities
- SAP Analytics [LinkedIn Group](#)
- The source for best practices & guidance



Thank you

[SAP Analytics Cloud](#)

[Visit the Community](#)

[Explore our Roadmap](#)

[Try for Free](#)

[Get Started](#)



Follow us



www.sap.com/contactsap

© 2022 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See www.sap.com/trademark for additional trademark information and notices.

