




SAP HANA Spatial Services

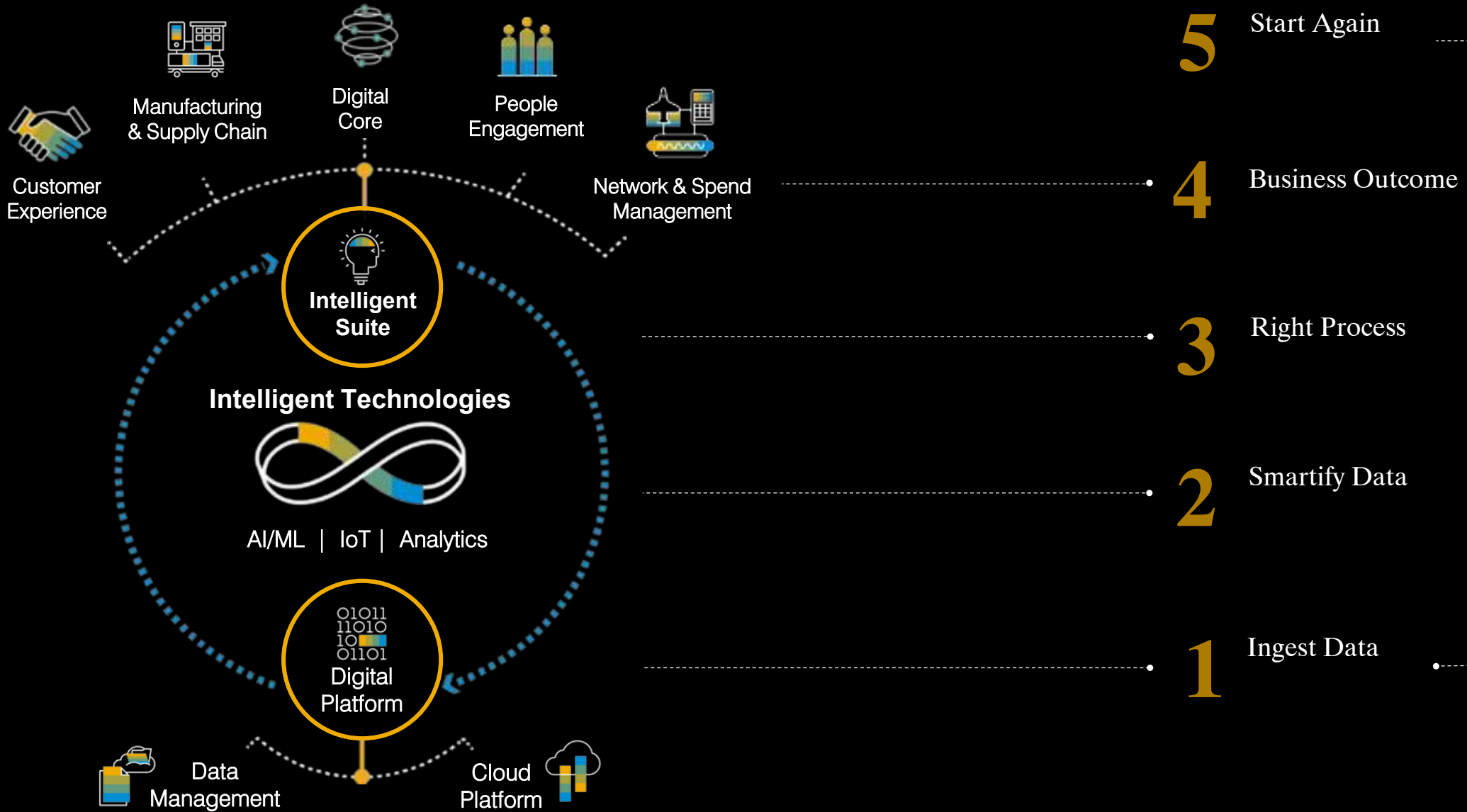
Enabling Digital Transformation with EO

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November, 2018

PUBLIC

 Run Simple

Intelligent Enterprise



SAP HANA






All Devices

SAP, ISV and Custom Applications









SAP HANA® Platform

On premise | Cloud

Application development

 Web server
 SAP Fiori® user experience(UX)
 JavaScript
 Graphic modeler
 Application lifecycle management

Advanced analytical processing

 Spatial
 Text analytics
 Graph
 Streaming analytics
 Predictive
 Series data
 Search
 Business functions

Data integration and quality

 Data virtualization
 Data quality
 Extract, load, transform and replication
 Apache Hadoop and Apache Spark integration
 Remote data sync

Database management

 Columnar store – Transaction and analytical processing
 Multicore and parallelization
 Advanced compression
 Multitenancy
 Multitier storage
 Data modeling
 Openness
 Administration and security
 High availability and disaster recovery

ONE Open Platform

OLTP + OLAP

ONE Copy of the Data

HANA Spatial Services

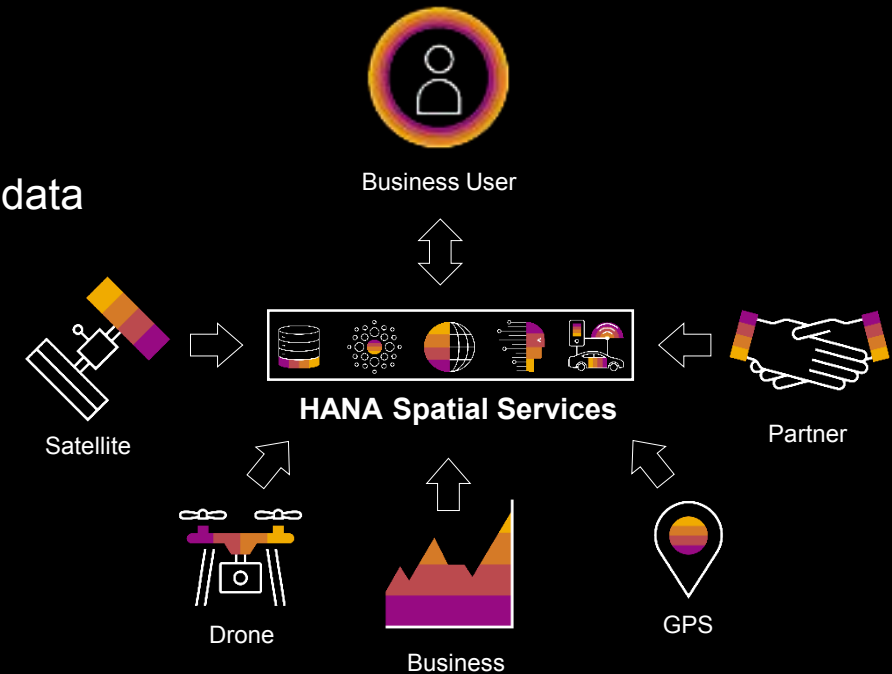
Vision - Overview

The only business-ready spatial data platform

- Transparent combination of business and spatial data
- Establish locational data and services across all business processes
- Provide optimized industry solutions based on unified spatial and connected data
- Build an open and extendable ecosystem
- Combining sustainable development and business goals
- Reduced complexity, minimized costs, fast response to emerging trends

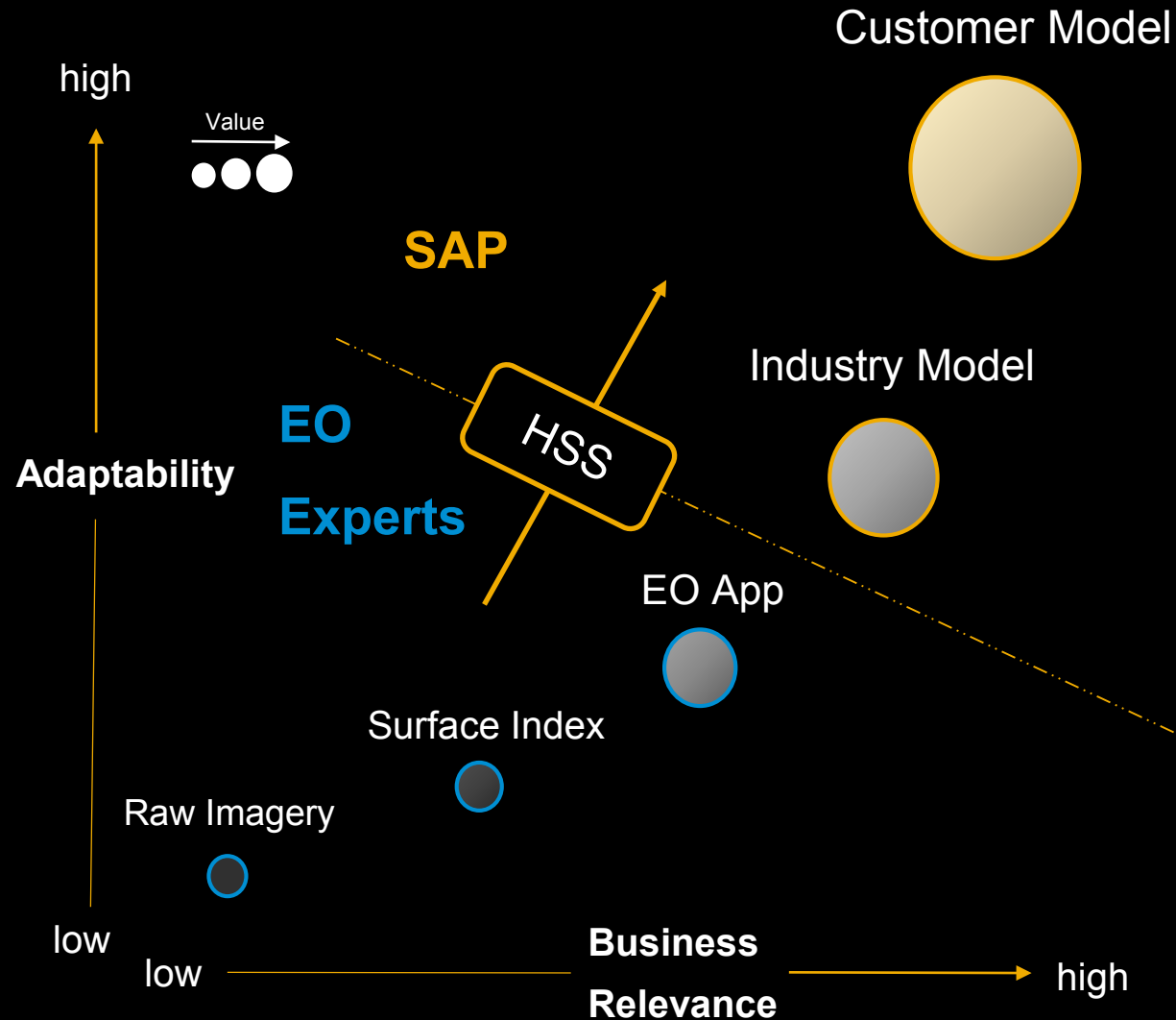
Open Spatial Platform leveraging HANA Spatial, Graph and ML

- Continuous data collection and information extraction
- Closing the gap between earth observation experts and business decision makers
- Seamless partner integration of location-based services, geo-referenced data, and expert extensions
- Unique industry and customer models based on spatial and business data
- Intelligent spatial services based on SAP HANA and supervised learning models



Value Chain

Bridging the Gap between Spatial & Business Experts



Customer Model

Industry models with customer data in business apps (for decision makers)

Industry Models

Industry models based on surface indices in business apps (for decision makers)

EO Apps

EO Apps based on surface information for GIS Experts

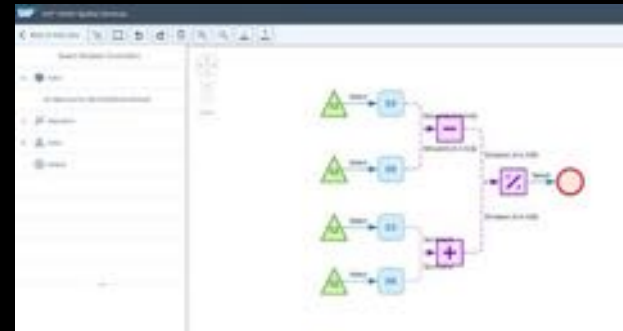
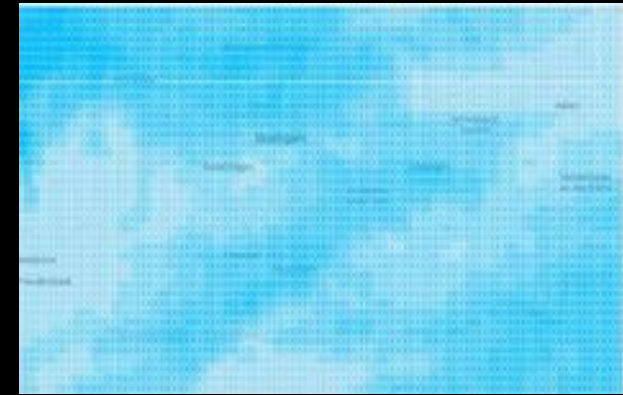
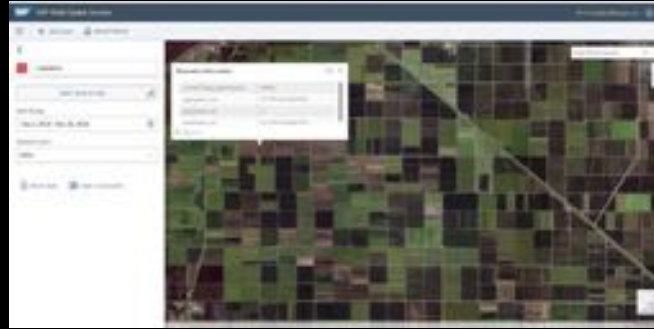
Surface Indices & Raw data

For experts, specialist, researchers and developers

SAP HANA spatial services (HSS)

Spatial information as a service

- Surface API
- Weather API
- Wildfire API
- Modeler API
- Object Detection API
- Spatial Data Management API
- Process Management API
- Earth Observation API
- Mapping API
- Point of Interest Search API

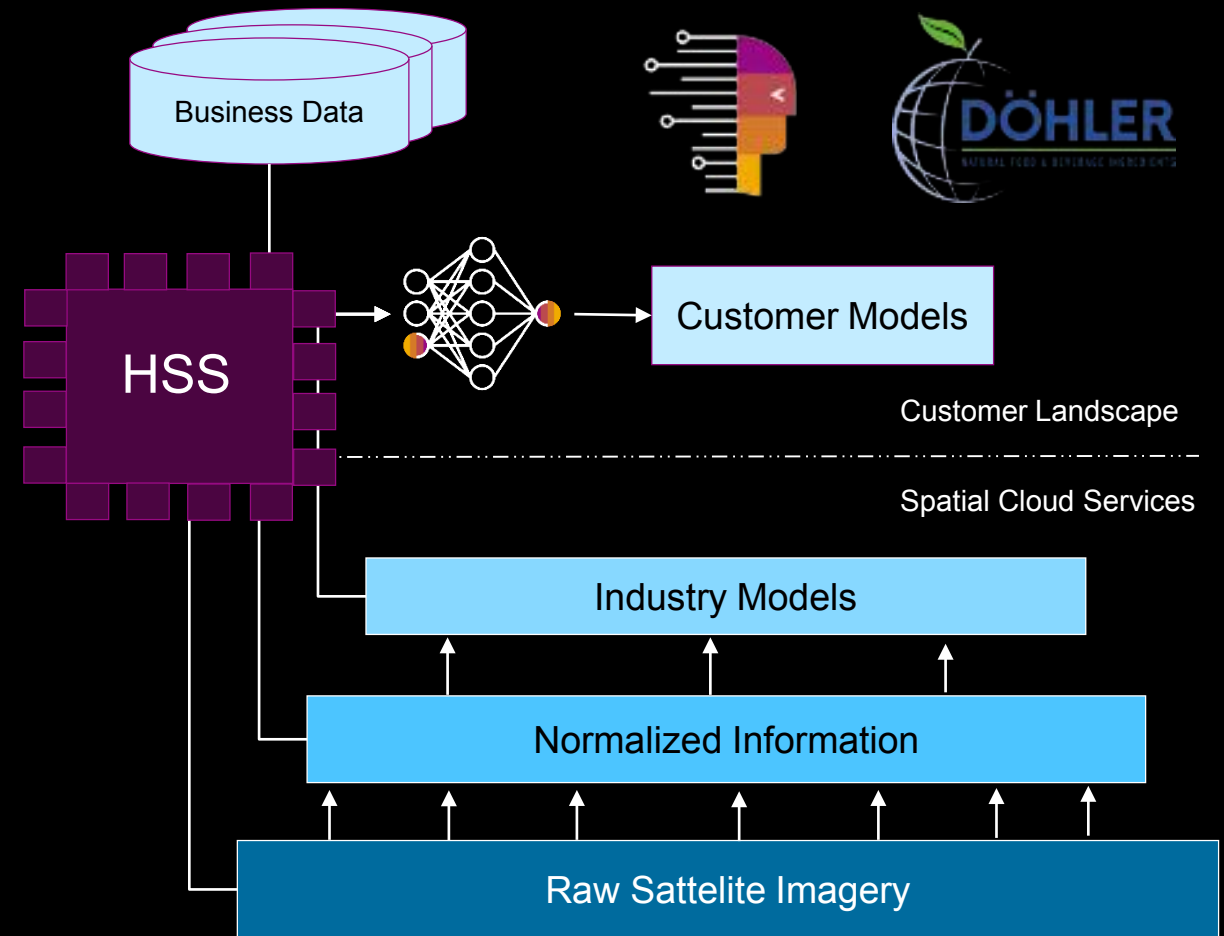
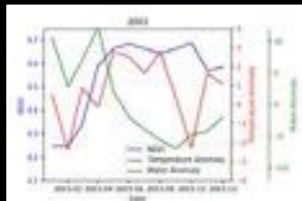


- Quit spending time processing imagery - we do it for you
- Manage cost and scale with spatial services in the cloud
- Easily integrate services into custom business applications
- Create custom services and models
- Visualize the results from spatial services in an application

Spatially Enable the Intelligent Enterprise

Optimized Supply Chain Management

1. Identify plantations
2. Get historical spatial information
3. Correlate with customer business data
4. Find key drivers and build yield prediction model
5. Run model 24/7 and improve business decisions



Thank you

Landing Page

https://help.sap.com/viewer/product/SAP_HANA_SPATIAL_SERVICES/1.0/en-US

Reference Guide

<https://help.sap.com/viewer/16e86e562ffa46a09ba1174616af11e5/1.0/en-US>

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