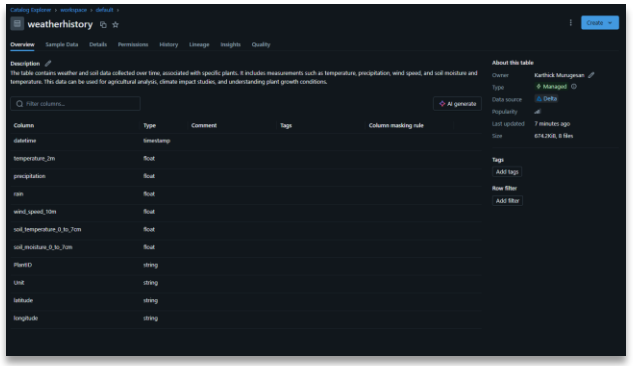
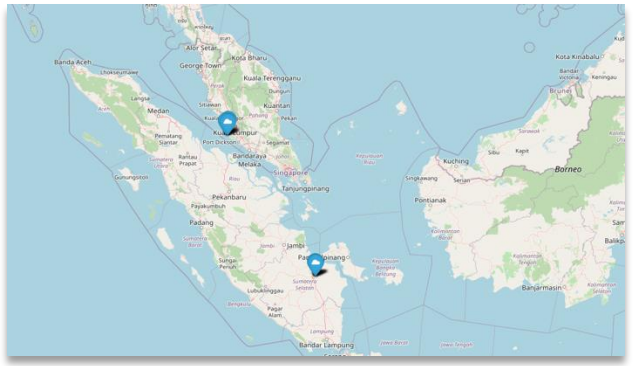
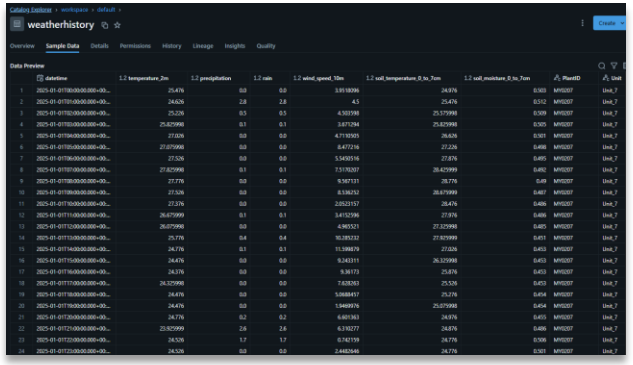
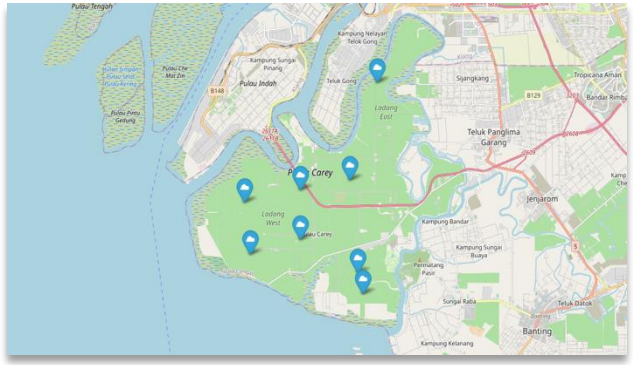
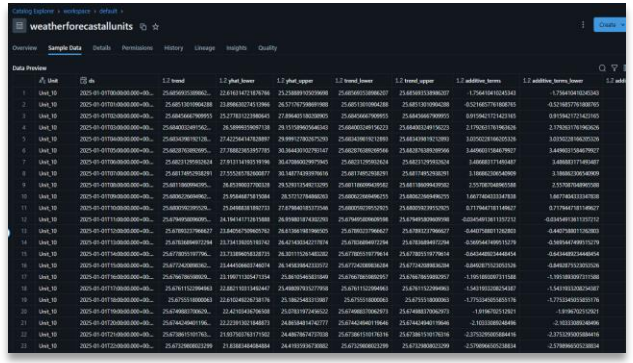
SAP BDC Use Case – SAP Databricks

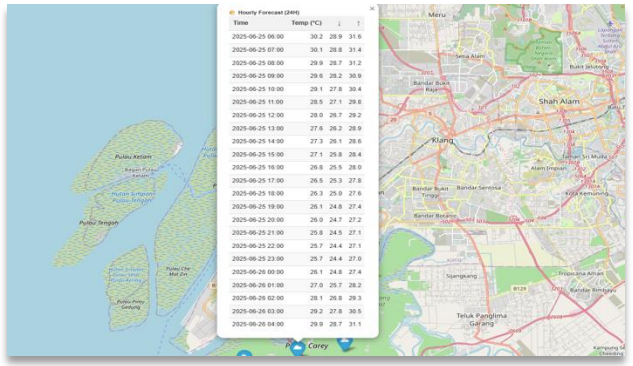












This solution showcases how enterprise data can be transformed into actionable insights through a modern data and AI pipeline. Starting from SAP S/4HANA, operational data flows through SAP Datasphere into Databricks, where it is enriched, analyzed, and used for predictive modeling — including weather forecasts critical to business operations.

End-to-End Integration:
- Source data from SAP S/4HANA (customized information on soil, planting, schedules, and related weather kpi's)
- Transformed and modeled in SAP Datasphere
- Ingested into Databricks for AI/ML processing

AI-Powered Forecasting:
- Machine learning models generate short-term weather forecasts (e.g. next 24 hours)
- Forecasts can be aligned to operational units, plants, or equipment

Interactive Visualizations:
- Maps enhanced with Folium to display geo-based forecast data
- Clickable markers show detailed, localized 24-hour weather predictions
- Enables real-time scenario planning and risk mitigation