

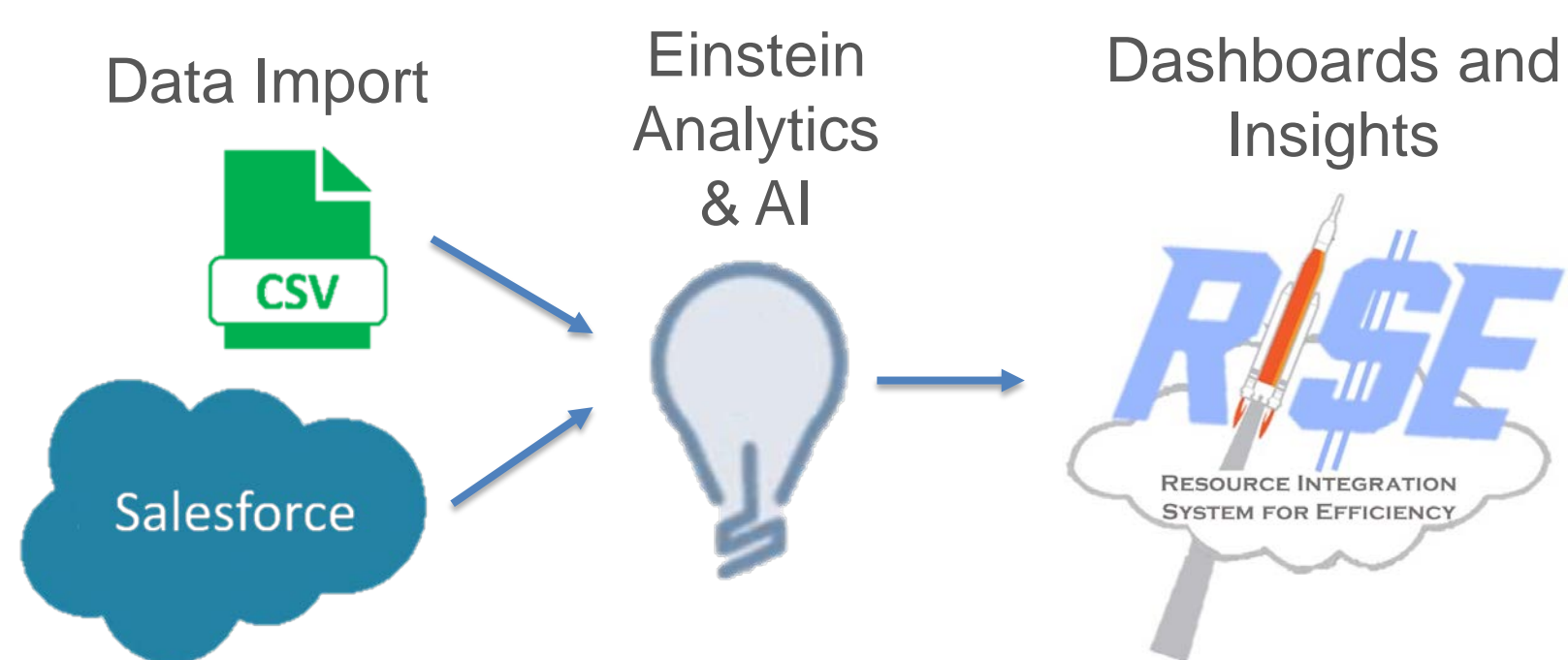


JSC OCFO Cloud Integrated Budget Analytical Toolbox

Arden Robertson 281-792-7582 or arden.m.robertson@nasa.gov

OVERVIEW

The JSC OCFO analyst's job function relies heavily on analytics to provide every directorate customer with quality service in managing their respective budgets. This technology, configured on the Salesforce cloud platform, enhances the JSC OCFO customer user interface, provides state of the art data analytics and statistics, reduces IT costs, increases productivity, eliminates duplicate entry and errors, and utilizes machine learning and artificial intelligence to process day to day transactional tasks automatically without analyst manipulation.

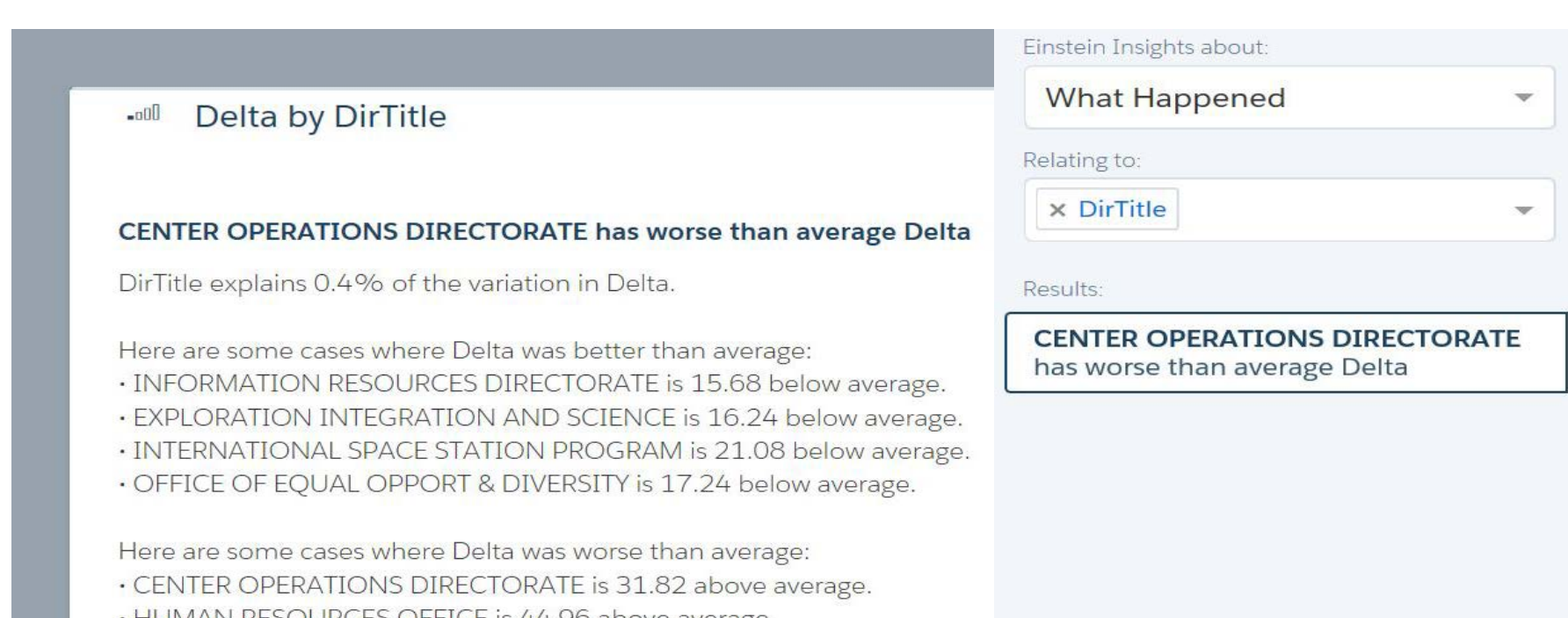


INNOVATION

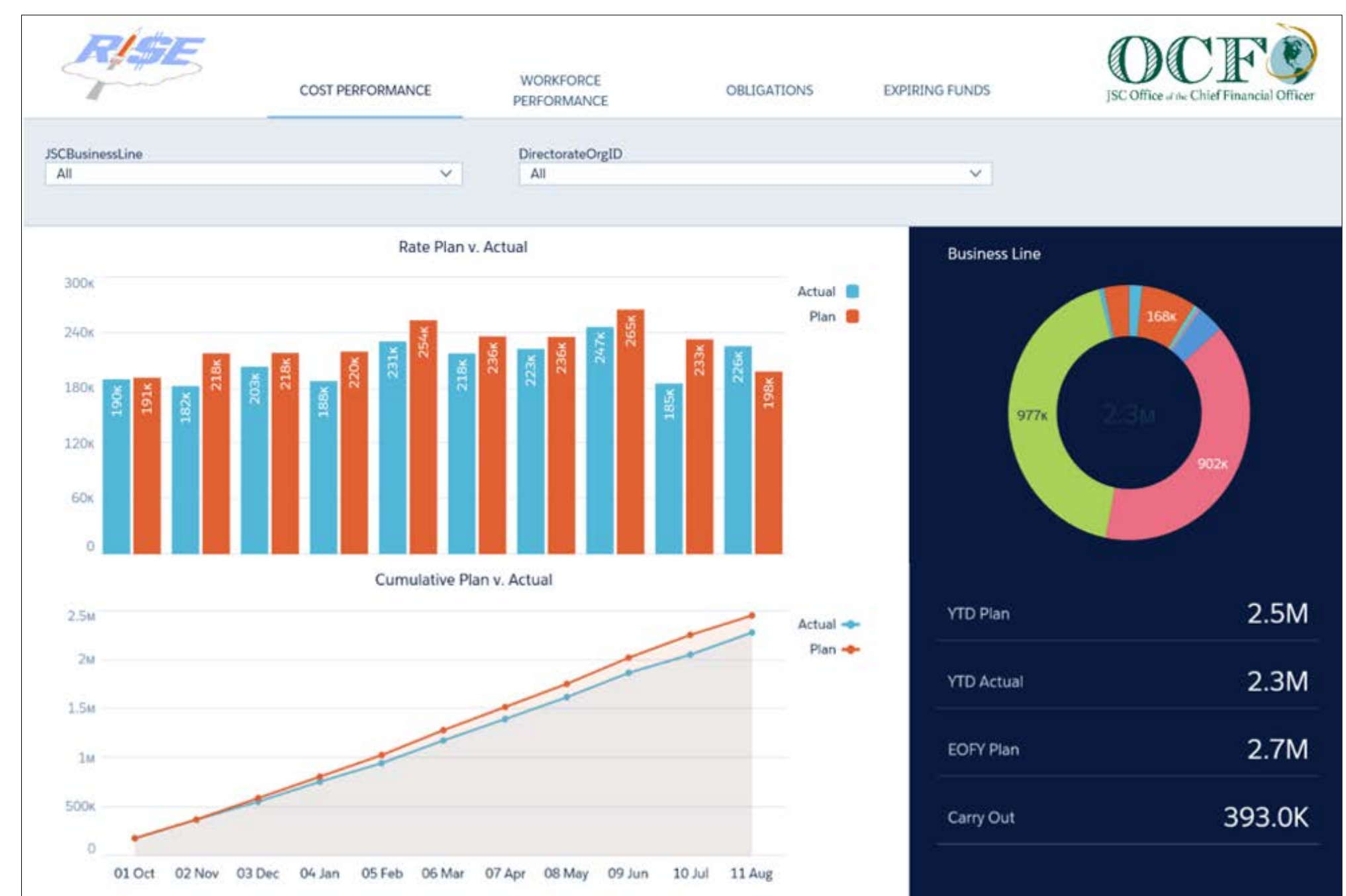
The unique configuration of the COTS technology allows for highly advanced analysis and reporting of government budget data. This provides the ability for complex budgets to be fully understood in detail by non-budget organizations and eliminates time consuming analysis on the OCFO analyst's behalf.

OUTCOME

- A sophisticated cloud database that allows data entry, storing, and tracking of the JSC OCFO budget data
- An analytics system that is fed by the cloud database that produces statistics-based data insights and dashboards



Einstein Discovery – Data Story Insights



Einstein Analytics – OCFO Cost Performance Dashboard

PARTNERSHIPS / COLLABORATIONS

Collaboration with JSC AD/External Relations Office occurred during research and development since Salesforce is their current system of record. Various OCFO analysts were contacted in order to gather the most accurate requirements to input into the system to ensure all JSC directorate budget portfolios would see a benefit in the technology. In addition, knowledge sharing sessions occurred with Salesforce representatives from across the world.

PAPERS / PRESENTATIONS

Multiple presentations have occurred NASA wide to demo the cloud database and analytics system's capability. In addition to demos at JSC for various programs and directorates, demos have been presented to the NASA HQ OCFO Resource Management Office (RMO) and NASA HQ Mission Support Directorate (MSD) leadership.

FUTURE WORK

Continued progress is being made to implement Salesforce and Einstein analytics cloud technology within the JSC OCFO. HQ RMO has taken interest in joining in on implementation as well. The overall goal is for the technology to replace and integrate various other resource management systems across the agency.