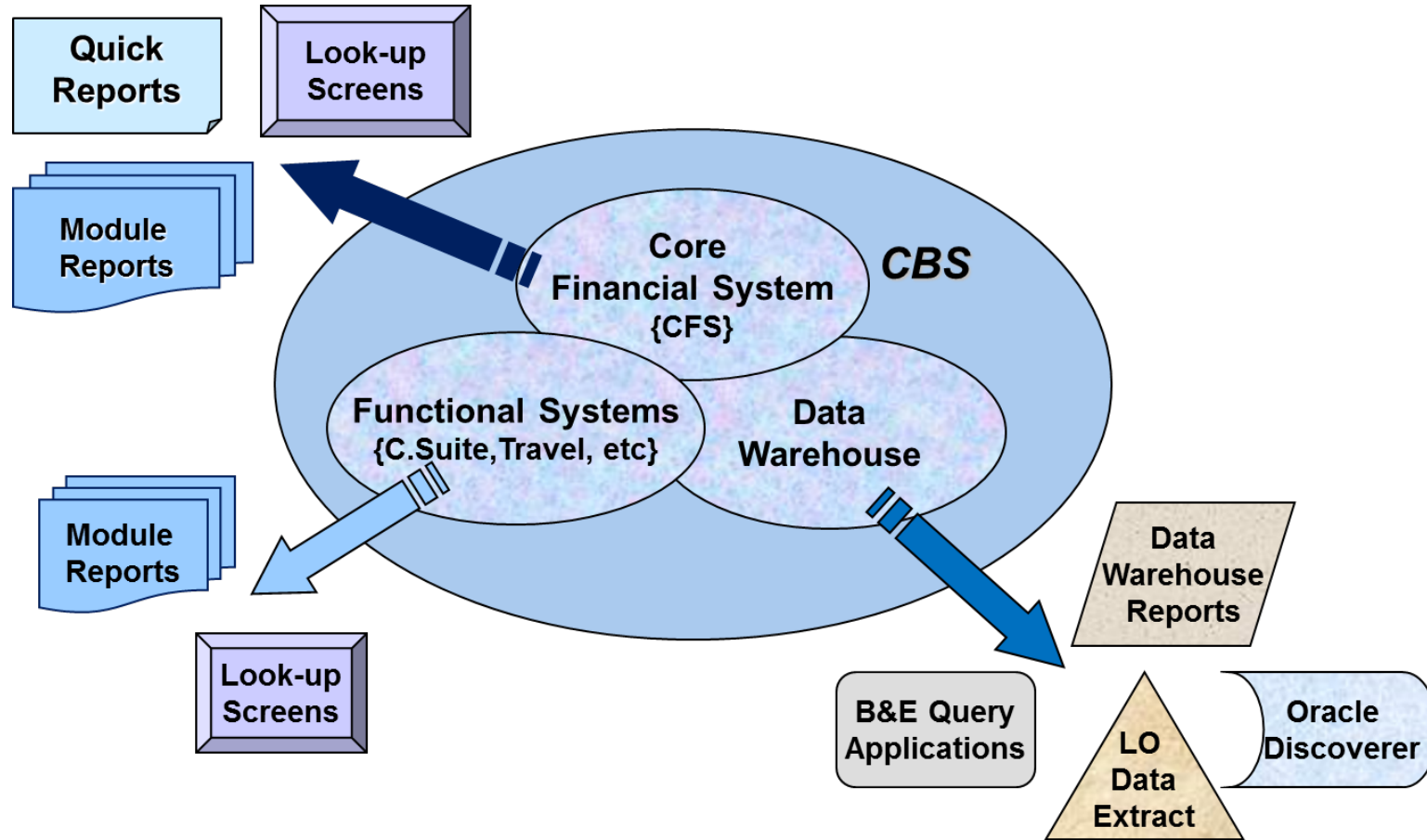




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NOAA Budget Systems

Systems within CBS





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NOAA Data Warehouse (NDW) Overview

DOC-CBS Data Warehouse

- CBS Support Center (CSC) Data Warehouse
 - Budget and Expenditures (B&E) Query
 - Standard across all CBS Bureaus (i.e., Census, NIST, NOAA)

Query at one level

...

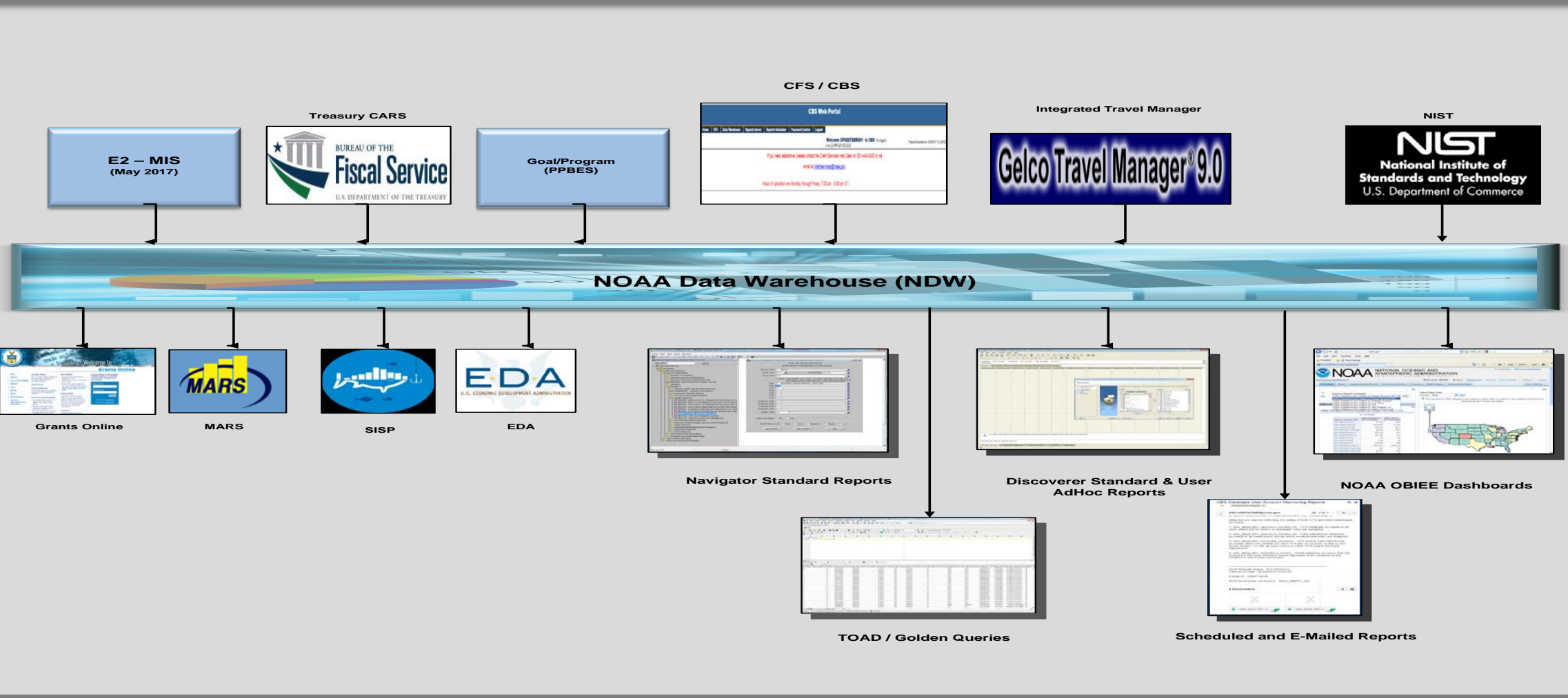
Display results at a different level

Display Budget and Expense details

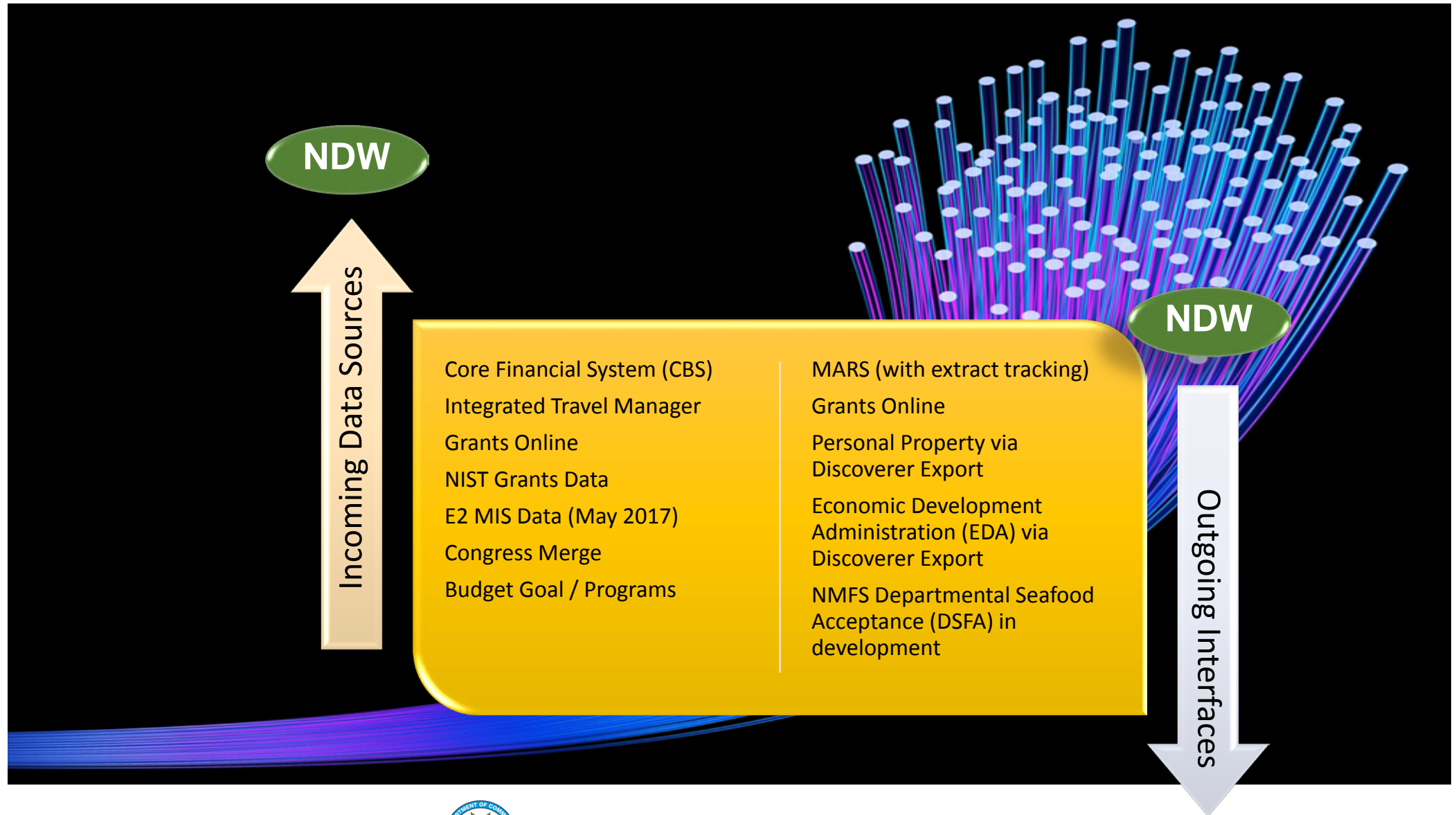
Drill down to item and accounting (MDL) levels of detail



NOAA Data Warehouse



NDW Interfaces



■ NDW Refresh



Nightly refresh contains both copies of CFS source tables, and derived NDW tables that present detailed and summarized data



NDW Refresh employs Control Totals to verify each data warehouse refresh against CBS source tables and Trial



Financial lifecycle of transactions simplified (i.e., Undelivered Order Amount, Unpaid Expense Amount, Paid Expense Amount, etc.)



Detailed and summary data available from FY2002 to present for multi-year reporting (many calls span 3 to 5 years)



Refresh logic provides a single, initial document number to chain transactions through life of the document from inception to close-out



Melds non-financial (e.g., travel location and reason; grant status and period of performance) with financial data from respective systems of record



Ability to quickly target financial data by special initiatives that cross multiple projects (e.g., Deepwater Horizon, Hurricane Sandy, Observing Systems)



Data marts employed to focus data on user communities



■ NDW Scheduled Reports, Audit Requests, Data Calls



Scheduled Reports

- Ability to quickly develop and distribute Excel-friendly reports
- E-mailed to recipients
- NOAA-Developed E-Mail Management Screens
- NOAA-Developed Job Scheduler Management Screen



Audit Requests

- Numerous recurring audit reports
- Special requests
- Internal, Departmental, External
- Large data sets formatted for upload and sampling



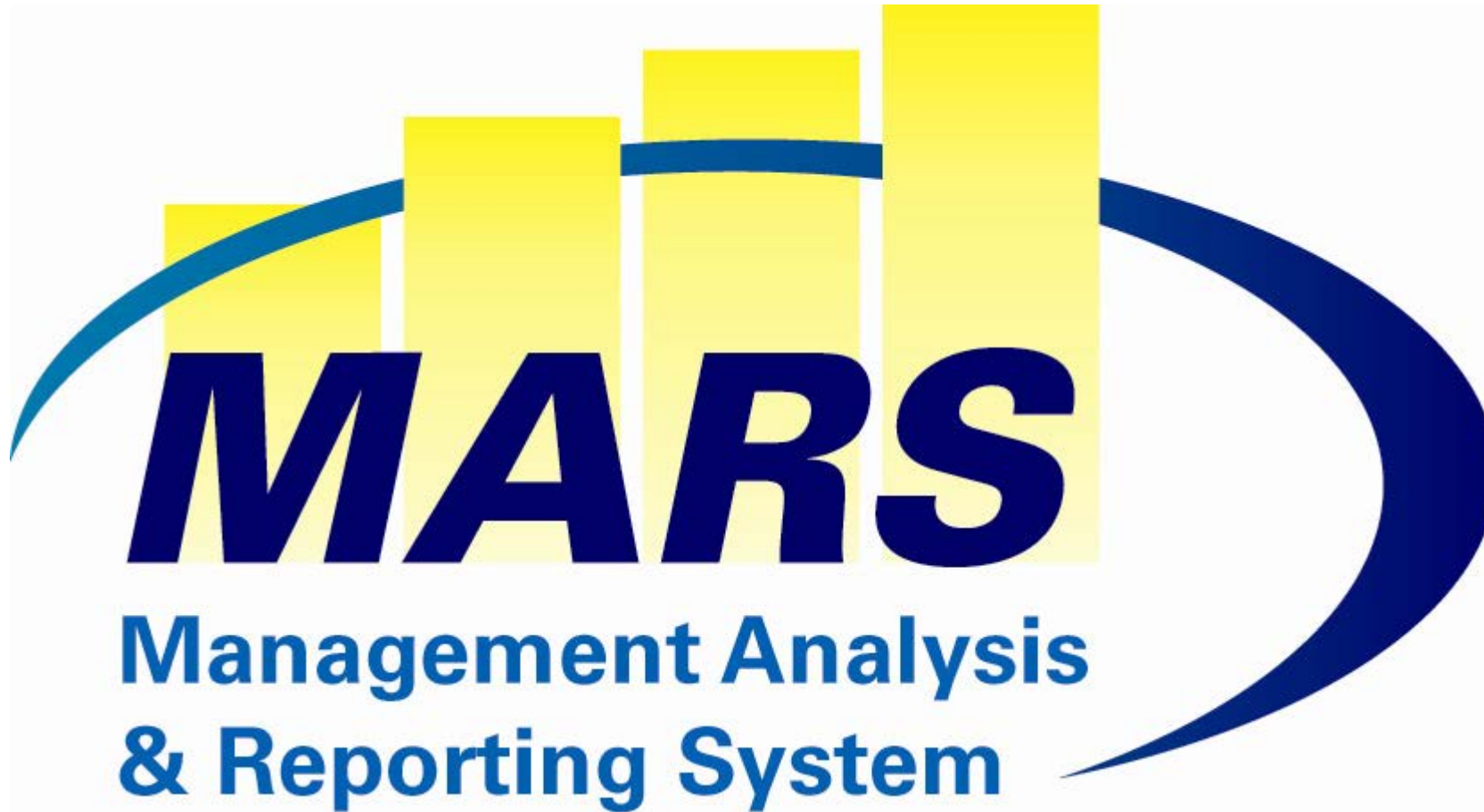
Data Calls

- NOAA Internal, Department of Commerce, FOIA, External (e.g., Department of Homeland Security, Congress, etc.)
- Inspector General
- Short notice / response times
- Generally combines non-financial and financial data





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MARS Overview

MARS Context Diagram

