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Department of Energy, National Science Foundation, Environmental Protection Agency

### SAS Government LLC

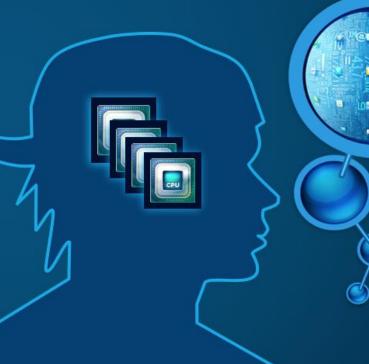
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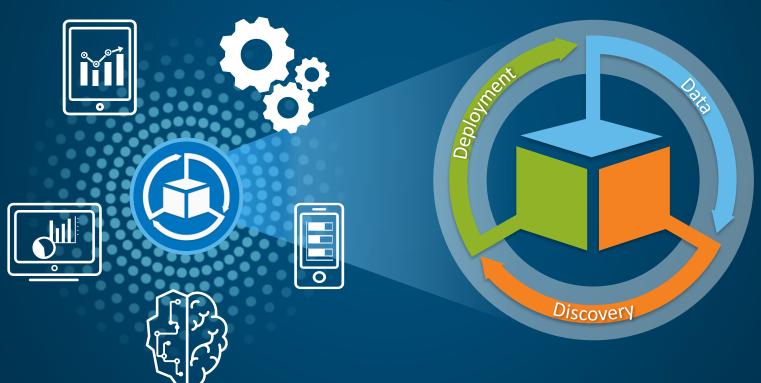
# Everyone wants to be a data scientist



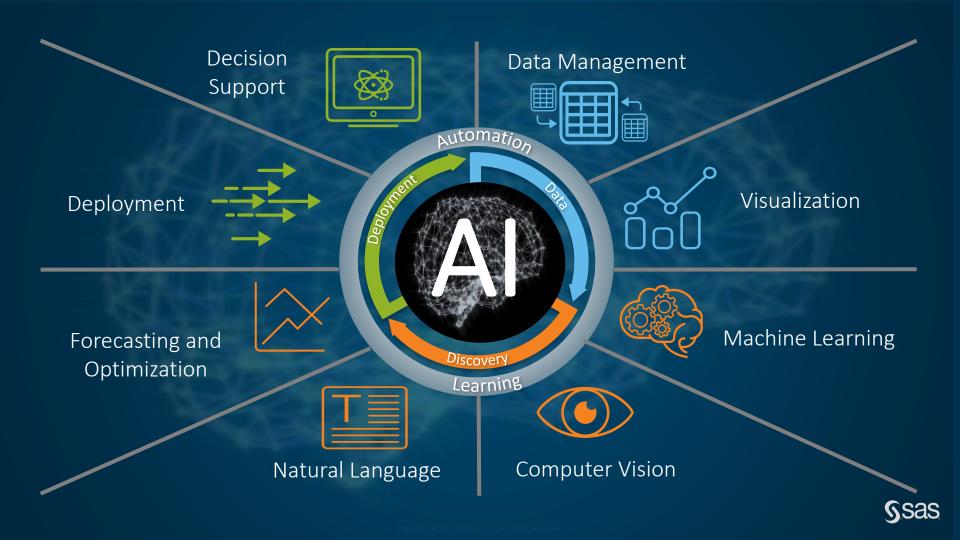


# The SAS Platform

... is a software foundation that's engineered specifically to generate insights from data, in any computing environment.







### SAS Platform at INL



NST's Nuclear Data Management and Analysis System (NDMAS)



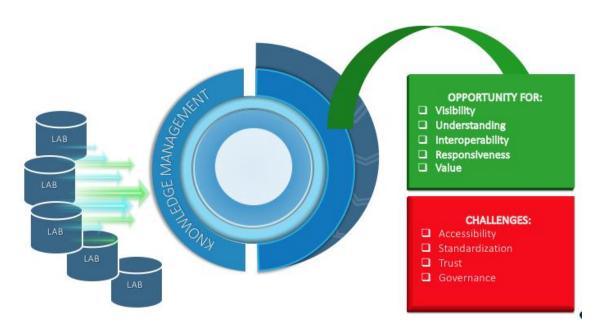
Data management system that stores, qualifies, and manages data collected across the Advanced Reactor Technologies (ART) Program

- Motivated by DOE's Public Access Plan (2014)
- Web-based collaboration for the ART research community
- Provides qualification traceability to level required to support design decisions and licensing
- Extensive statistical analysis capabilities
- Enables access-controlled web delivery of data, graphs, and analysis results to researchers



## **Knowledge Management Platform**

SAS Platform for Laboratory Research Data



Establish an enterprise data management platform for lab wide research data and computer simulations

- Goal is to improve the management of research data across the lab
- Understand what research is being conducted and who is conducting it
- Determine opportunities to leverage research investments
- Provide public facing landing pages for curated research data



## Project Data Sphere

### SAS Platform for Research



#### **Project Data Sphere**

Project Data Sphere integrates and analyzes historical, patient-level data from phase three cancer clinical trials to spark innovation by opening up new research possibilities – like knowing sooner if a treatment is working. The organization uses SAS to host the research platform and provides free access to analytics technology and experts.

"There's a ton of information that's just left on the table, and it's routine stuff that nobody pays attention to. Data sharing can draw attention to connections between different commonly measured things that you would just never see otherwise. It can change your whole thinking about where to focus."

Dr. Howard Scher, Research Lead at Project Data Sphere



- Goal is to spark innovation by opening up new research possibilities
- Designed to share, integrate and analyze historical, patientlevel data from phase-three cancer clinical trials
- Brings together data that are analyzed for undiscovered potential
- SAS analytics are available on demand to researchers
- Possible application to key
  DOE research challenges

SAS hosted research platform where researchers share data and access analytics on demand