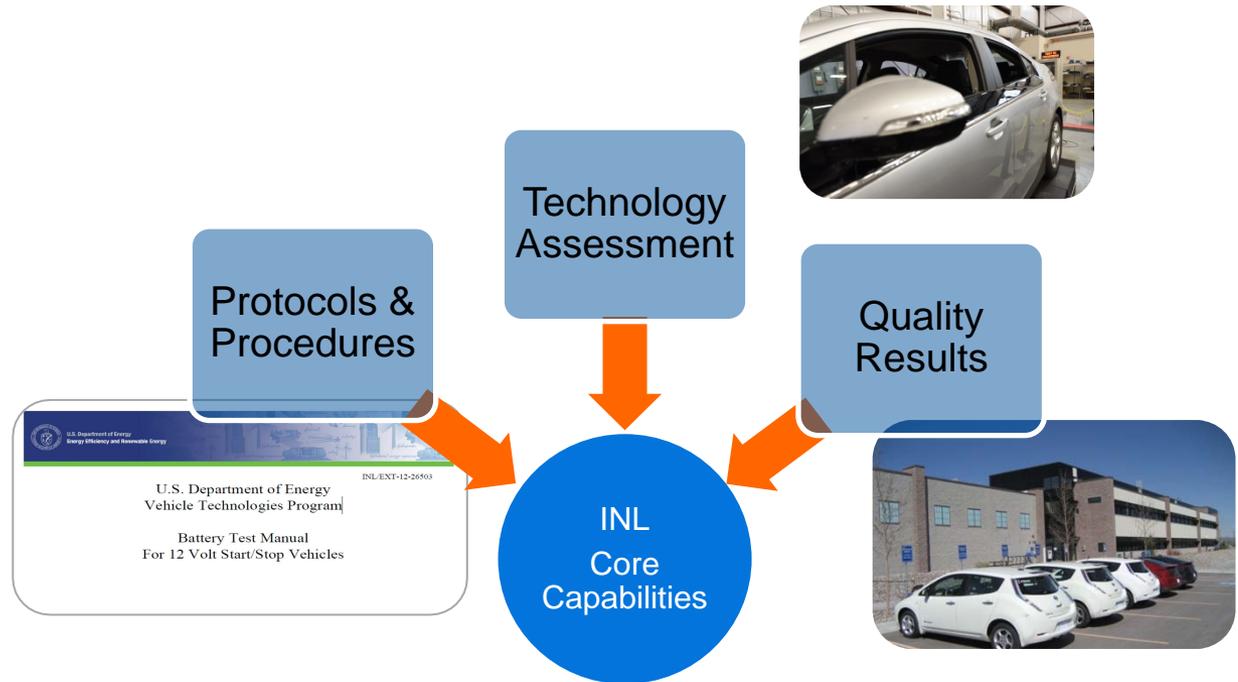


Advanced Transportation Data Management



Sera White
INL/MIS-15-35293

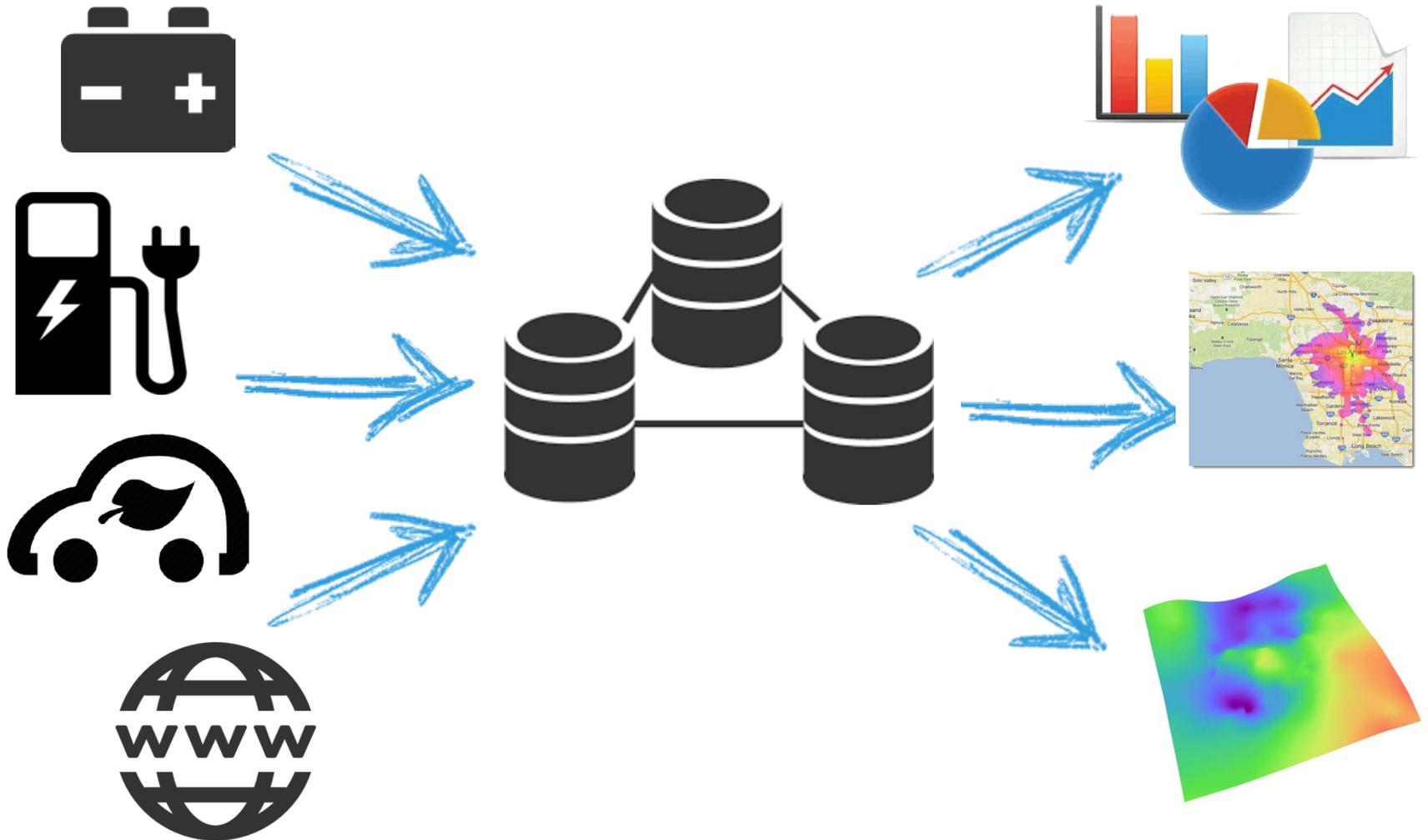
INL Tech-to-Market (T2M) Workshop

May 19-20, 2015

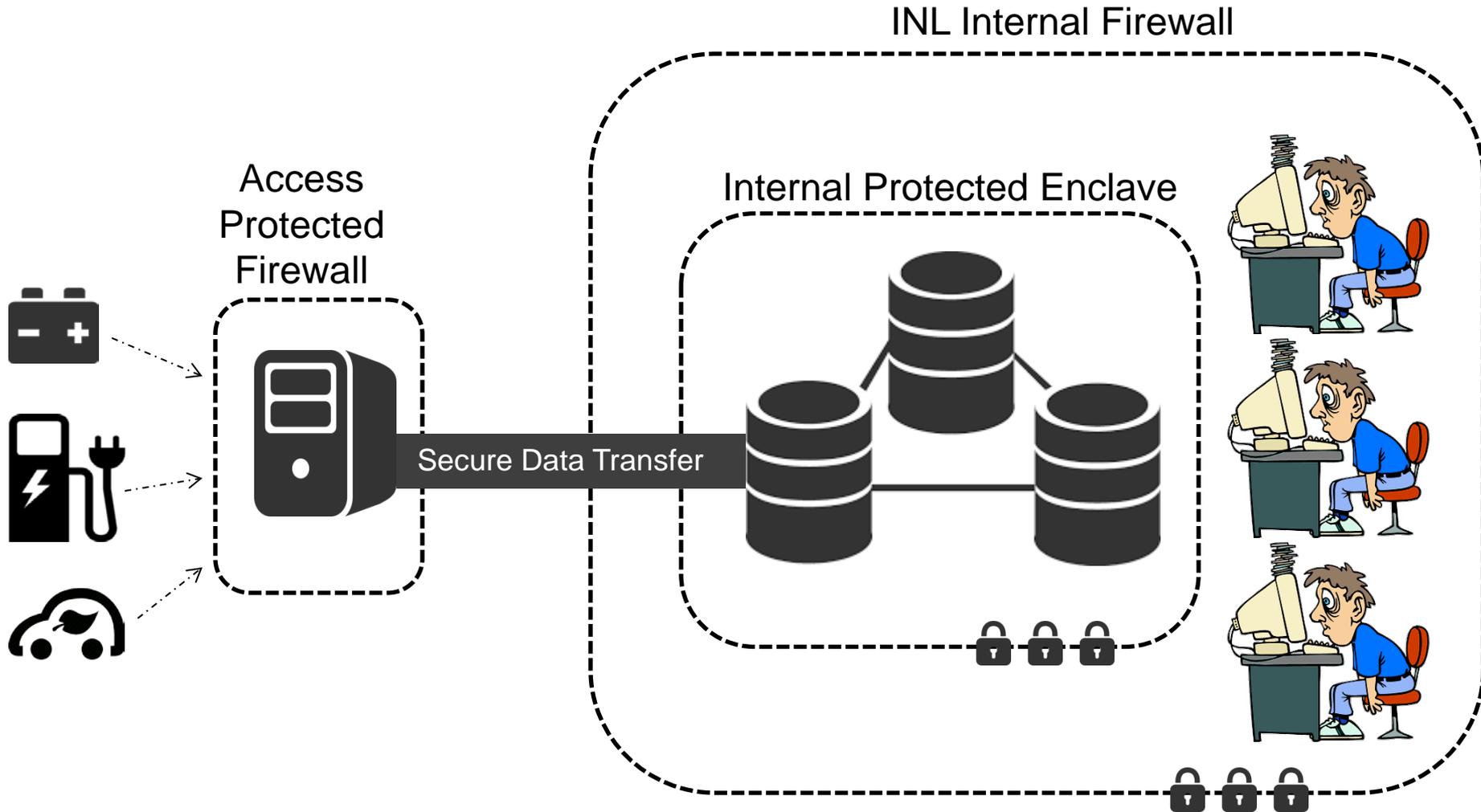
www.inl.gov



Advanced Transportation Data Warehouse



Storage and Security



Capabilities

Acquisition of Large Variable Data Sets

- secure data transfer methods
- strict backup protocols
- multiple data formats

Automated Data Processing

- use standardized processes to ensure reliability and data integrity
- robust data architectures enable rapid application development

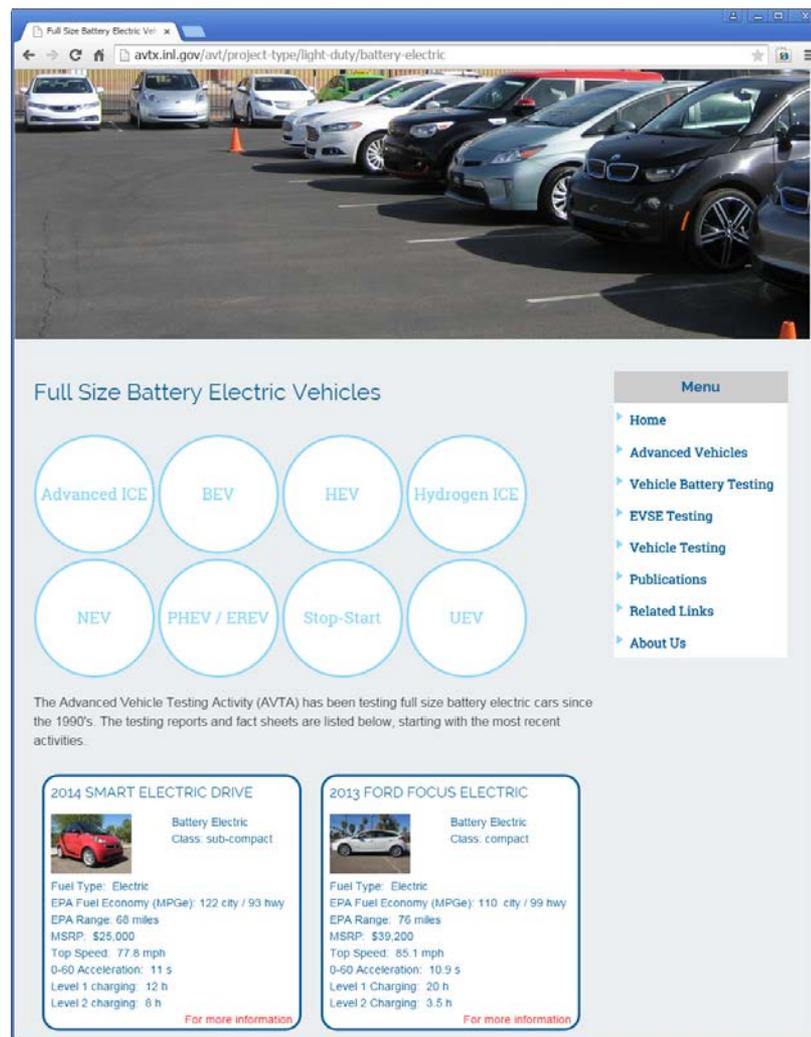
Advanced Visualizations & Analyses

- data mining & statistical analyses
- dynamic reports & maps (time animations), white papers, presentations and infographics

Web Platform

Revamping our web platform

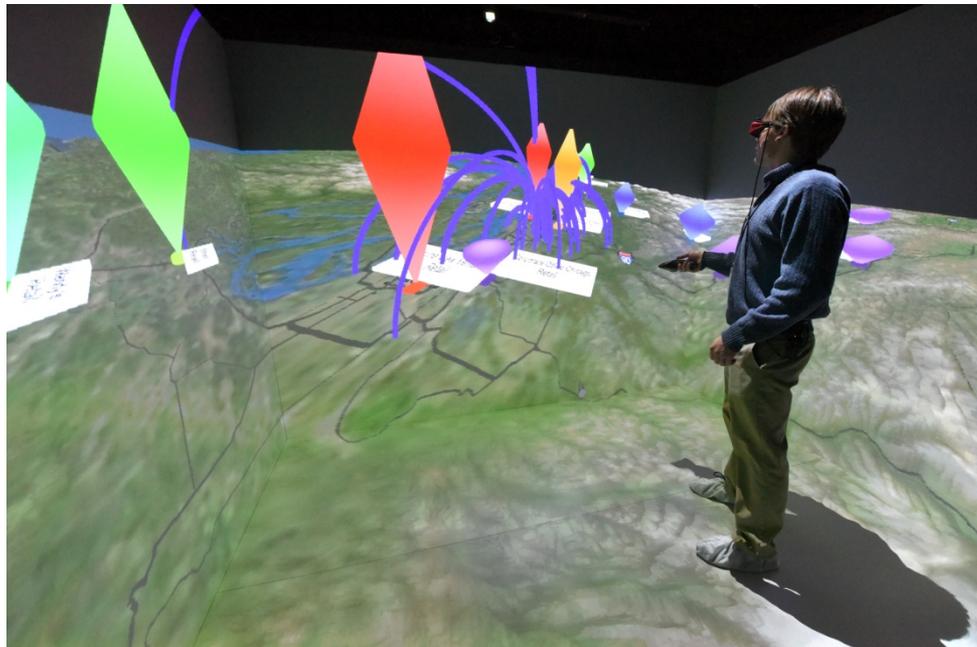
- richer information products
- dynamic data feeds
 - * only if NDAs allow
- users can subscribe



Big Data

Parallel Processing Environments

- Hadoop Cluster
- High Performance Computing Environment
- CAVE – CAVE Automatic Virtual Environment
(Collaborative Virtual Environment)





iNL

Idaho National Laboratory