INFORMATION VALUE CHAIN

IT VALUE CHAIN

SYSTEM ORCHESTRATOR

DATA PROVIDER

BIG DATA APPLICATION PROVIDER

SW

Collection | Preparation/Curation | Analytics | Visualization | Access

DATA

SW

DATA CONSUMER

DATA

SW

BIG DATA FRAMEWORK PROVIDER

Messaging/Communications

Processing: Computing and Analytic

Batch | Interactive | Streaming

Platforms: Data Organization and Distribution

Indexed Storage

File Systems

Infrastructures: Networking, Computing, Storage

Virtual Resources

Physical Resources

Resource Management

Security and Privacy

Management

K E Y :

DATA — Big Data Information Flow

— Service Use

SW — Software Tools and Algorithms Transfer