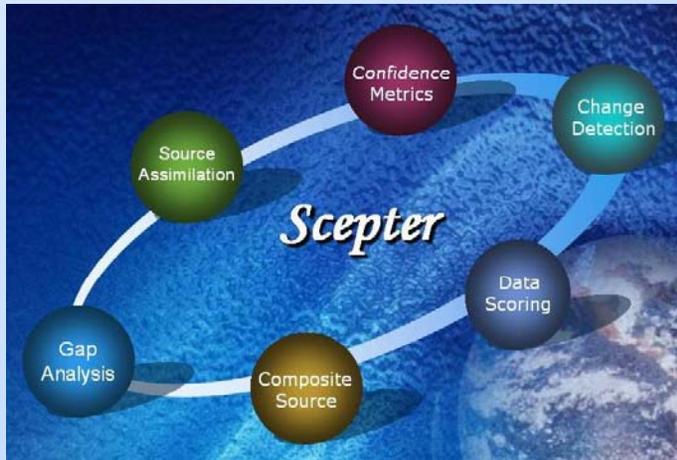


Scepter – Integrating Disparate Data Sources

Data Systems Sciences & Engineering Group

Computational Sciences & Engineering Division



- **Problem Statement:**

- Automate the process of producing a single authoritative representation of information from a multitude of disparate information sources

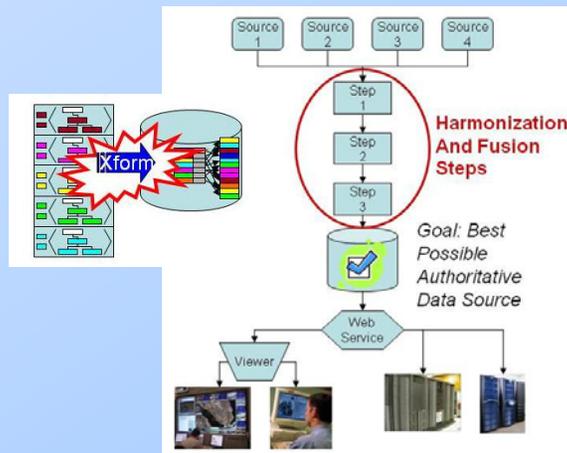
- **Technical Approach:**

- Assimilate sources
 - Perform gap analysis
- Produce initial scoring of disparate sources at the finest granularity possible
 - Domain-based business rules
- Implement change detection and variability measures to improve scoring over time
- Implement a composite record approach to produce a composite source representing “the best of the best”
- Provide data confidence metrics based on scoring of sources included in the composite source

- **Benefit:**

- Results in a domain-specific, authoritative data source containing the best, most complete information available

- **Technology Readiness Level 3**



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