Data Driven Decision Making Process
- School systems traditionally not as strong in 2 areas
- Lack of technology to obtain and analyze data
- Lack of integration across data systems
- Lack of timely access to data

Have been the most difficult steps to enact timely, accurately and systematically
**sigma: The Solution**

- Technology to obtain and analyze data
- Integrates data systems with data warehousing
- Provides timely access to data

**Sigma: Features**

- Intuitive user experience
- Integrated data warehouse
- SIF-certified agents
- Multi-role user access
- Seamless Single Sign On (SSO) using local network accounts
- Customizable “Early Warning Indicator System”
- System announcements
- Mobile friendly
SIF (Schools Interoperability Framework)
- Data interoperability using a common standard
- Central communication point (ZIS)

**sigma**'s™ Hybrid Agent
- Unique subscriber and responder solution to solve data coverage gaps.
- Pulls data from supported and unsupported data domains by vendors’ SIF agents.
- Gives districts access to data from legacy systems.
- Makes legacy systems SIF compliant.

Data you see on sigma™ is pulled from a district's student information system, is the most recent data, and updates automatically with the agents.

**Case Study - SIS lacking SIF data coverage**

![Diagram showing supported and not supported data categories for SIS]

Source: Edustructures SIF agent v2.1 for SASI (2007-2008)
sigma: Hybrid Agent covers missing data

Data System

Sigma™ Hybrid Agent

Data System Agent

Zone Integration Server

sigma: Data Organization

User Interface (Dashboard, Scorecard, Sheets)

Domains (Attendance)

Measures

Group Measure (Average Attendance Rate) ↔ Individual Measure (Attendance Rate) ↔ Instance Measure (Class Period Attendance)