

Maine Statewide Longitudinal Data System



August 2009

SLDS Project Goal

Design, develop and implement a longitudinal data system that stakeholders can draw upon to make well-informed decisions about improving student achievement.

Statewide Longitudinal Data System

US Department of Education Grant Institute of Education Sciences

- Start Date – September 4, 2007
- Total SLDS Budget - \$6,540,786
- 3 Year Grant Budget - \$3,227,231
- End Date – August 31, 2010

Project Components

- Education Data Sources Inventory (S)
- Statewide Education Data Dictionary (F)
- Education Portal (F)
- Data Warehouse – PreK-20 (F)
- Schools Interoperability Framework (SIF) Integration (F)
- Electronic Collection of Student Level Transcript Data – Statewide Transcript Format (F)

S – State Funded

F – Grant Funded

Project Components

- Collection of College Readiness Assessments (F)
- Vertical Expansion of Unique Identifiers (F)
- EDFacts Data Collection System (F)
- Financial Reporting System (S)
- Statewide Student Information System (S)
- Training and Professional Development (F)
 - Data Collection and Reporting
 - Using Data to Make Research Based Decisions

SLDS Components Status

SLDS Component	Status
Financial System	Completed
Data Inventory	Completed
Data Dictionary	Completed
Statewide SIS	Wave 2 In Progress
Single Sign-on Portal	RFP
EDEN Reporting System	In Progress
Electronic Transcript System	In Progress
Data Warehouse	RFP Released
SIF Integration	In Progress
Vertical Expansion of Unique State ID	In Progress
College Readiness Assessment System	In Progress

Statewide Longitudinal Data System

- **Governance**

- **21st Century Advisory Council**

- 55-60 stakeholders
- Quarterly meetings
- Advises on longitudinal data uses and long-term sustainability of the project

- **Data Management Team**

- MDOE program areas, LEA representation
- Monthly meetings
- Oversees MDOE data systems including data dictionary and data warehouse

Data Sources Inventory

Project Goals:

- Determine what data is being collected within the department and for what purpose
- Identify duplicate collections of data elements
- Identify department data repositories
- Recommend how data collection can be reorganized to better serve those who have to respond to data collection requests and those who have to use the data for State and Federal reporting

Data Sources Inventory

- Vendor - ESP Solutions Group
- Interviewed all MDOE program areas
- Over 250 data collections identified
- 142 data repositories
- 8000 data elements (from all collections)
 - Multiple instances of same elements
 - Multiple versions of same elements
- Completed September 2007

Data Dictionary

Project Goals:

- Build a standard statewide data dictionary for education data
- Extract the unique list of elements from the 8000 identified by the data sources inventory
- Establish standard definitions and default characteristics for each element
- Map State definitions to national standard definitions in the NCES Data Handbooks

Data Dictionary

- Vendor – ESP Solutions Group
- 2000 de-duplicated data elements
- 714 core data elements
- Owned by Education Data Manager and MDOE Data Management Team
- Data stewards – edit access
- Completed December 2008
- Web Interface – DataSpecs
- Maps Elements to 162 EDFacts Files

Data Warehouse

- RFP for Education Data Warehouse released July 2009
- Deployment expected July 1, 2010
- Central repository for MDOE data systems including student, staff, assessment, transportation, facilities and financial data
- Business intelligence system for reporting, research and analysis

Education Portal

- Single Sign-on access to all MDOE applications based on role and rights
- Enterprise search, communication and workflow capabilities
- Public access for NCLB report cards
- Secure access for educators, MDOE, and research organizations
- Planned for 2010 implementation

SLDS Training

- Data Standards Document Published
- Data Reporting Calendar Created
- Data Quality Certification Program
 - Policies and Regulation
 - Standards and Guidelines
 - Training and Professional Development
 - Timelines and Guidelines
 - Technology – Data Environment
- Pilot Class August 2009

Higher Education Projects

- **Electronic Transcripts**
 - XML, PDF files, PESC Standards
 - University of Maine System pilot
- **National Student Clearinghouse**
 - Tracking students beyond K-12
- **Sharing Aggregate Student Data**
 - Feedback to high schools
 - Student readiness, performance and graduation data

Participating Maine Institutions

Maine Higher Education Council

- Andover College
- Bates College
- Kennebec Valley Community College
- University of Southern Maine

New England Secondary School Consortium Data Projects

Maine, New Hampshire, Rhode Island,
and Vermont Collaboration

- Four-year Graduation Rates
- Drop-out Rates
- College Enrollments
- College Preparation
- College Success

Statewide SIS Objectives

- Implement a new State data management system by August 2008.
- Establish a means of electronically reporting school, staff and student data from School Units to the DOE.
- Establish a means for the Maine DOE to report required State and Federal data.
- Reduce the number of reports that are submitted to the DOE by School Units.
- Provide centrally hosted student information system functionality for optional use by local School Units.

Statewide SIS – State Edition

- MEDMS/Infinite Campus State Edition
 - Went live September 2, 2008
 - Student demographic/enrollment data
 - Special Collections – State fields, Behavior, Truancy CTE
 - Next release August 2009
 - School Health Data
 - Staff/Teacher/HQT Data

Statewide SIS – District Edition

- **Optional for School Units**
 - State pays annual license and support fees
 - Includes data migration and on-site training
- **Synchronizes State reporting fields with State Edition**
- **36 Districts, 80,000+ students**
 - August 2008 – 8 districts
 - Wave 1 – 15 districts – live April 2009
 - Wave 2 – 13 districts – live August 2009
 - Wave 3 and 4 – Fall 2009/Spring 2010

E-Transcripts

- Provides Official Transcript as well as Local Custom Formats
- Secure XML or PDF Format
- Meets NCES/PESC Standards
- Provides CEEB Code Field
- Customizable Watermark
- Encryption/Authentication
- Email Receipt Confirmation

Legislation

LD 1356 - *An Act To Improve the Ability of the Department of Education To Conduct Longitudinal Data Studies*

- Allows collection of student Social Security numbers for matching longitudinal data
- Facilitates inter-agency data sharing
- Passed in June 2009

ARRA SLDS – Next Steps

- Linking cross agency data
 - Post-secondary Institutions
 - Public Universities
 - Community Colleges
 - Private Institutions
 - Department of Labor/Workforce Development
 - Department of Health and Human Services
 - Department of Corrections
 - Finance Authority of Maine (FAME)

ARRA SLDS Grant Application

- Certification/Credential system with web self-service application
- Professional Development/HQT System
- Adult Education system that tracks students and adult learners into the workforce
- Expand Education Data Warehouse to full PreK-20 system