

ADE IT Modernization Effort Update



Presented to:

Arizona Data Governance Commission

August 17, 2012

Mark T. Masterson

Chief Information Officer

Pamela Smith

Executive Director, Strategic Programs

Agenda

- FY 2012 Close out and lessons learned
- IT Team trip to Georgia
- FY 2013 Strategic Objectives update
- Project Updates
 - Enterprise Architecture
 - Student-Teacher-Course Connection
 - SLDS Grant overview
- Budget Summary Update
 - Resource requests

AELAS FY2012 Closeout

ADE IT FY12 ACTUALS

Project	Approved Budget (thru 3/16/12)	YTD Spend	YTD Remaining Budget Authorization
AELAS Business Case	\$826,720	\$353,304	\$473,416
Identity Management System/FIM	\$835,000	\$586,532	\$248,468
ITIL Tool (Change Gear)	\$110,830	\$110,852	(\$22)
AZ-SLDS Dashboards	\$417,600	\$357,635	\$59,965
ADE Financial System - Great Plains	\$685,920	\$575,899	\$110,021
SAIS Assessment	\$1,497,726	\$1,260,503	\$237,223
ALM	\$235,975	\$223,749	\$12,226
Program Support Office	\$727,000	\$704,798	\$22,202
Enterprise Architecture	\$650,000	\$243,015	\$406,985
SAIS RFP Requirements Gathering	\$500,000	\$127,176	\$372,824
Total	\$6,486,771	\$4,543,463	\$1,943,308

TOTAL AELAS BUDGET SNAPSHOT	
AELAS Total Authorization	\$6,600,000
Approved Budget	\$6,486,771
AELAS Total Authorization MINUS Approved Budget	\$113,229

AELAS FY 2012 Carryover = \$2,056,357

FY2012 Accomplishments

Programs	Outcome	Status	Spend to Date
AELAS Business Case	Identify redundant systems and equipment Potential economies of scale and significant cost savings Provide blueprint for future data system	October 2012	\$473,416
AZ-SLDS Dashboards Pilot	External display of ADE information	Complete	\$357,635
Great Plains Phase 1	Integration of internal ADE financial system	Complete	\$575,899
SAIS Assessment	Mapped the mess and tied all business rules to statutes Used to open SAIS on time for FY2013	Complete	\$1,260,503
Identity Management	Single user sign on Secure access Upgraded Microsoft Office and deployed Lync to ADE	Ongoing	\$586,532
ChangeGear	Help Desk tracking tool	Complete	\$110,852
ALM	Bring industry standards to software development	Complete	\$223,749
Enterprise Architecture	Introducing data quality and internal data governance	Ongoing	\$243,015
SAIS Student RFP Requirements Gathering	Articulate SAIS core functions from beginning to end SAIS assessments guide the requirements process	Ongoing	\$127,176

FY2012 Lessons learned

- Enterprise Architecture
 - Large enough sample size to confirm action plan
 - Team to support existing and newly-initiated projects
- SAIS Functional User Requirements
 - Focus on documenting customer requirements
 - Need for data governance policy

ADE IT team visit to Georgia

- Chief Information Officer, Chief Technology Officer, Business Analysts
- Why Georgia?
 - SLDS already deployed
 - History to learn from
 - Highly qualified resources already in place
 - Systems working
 - Existing, structured Data Governance
 - Started Accountability system at same time as Arizona but took different path
- Demo of Dashboards

Takeaways from visit to Georgia

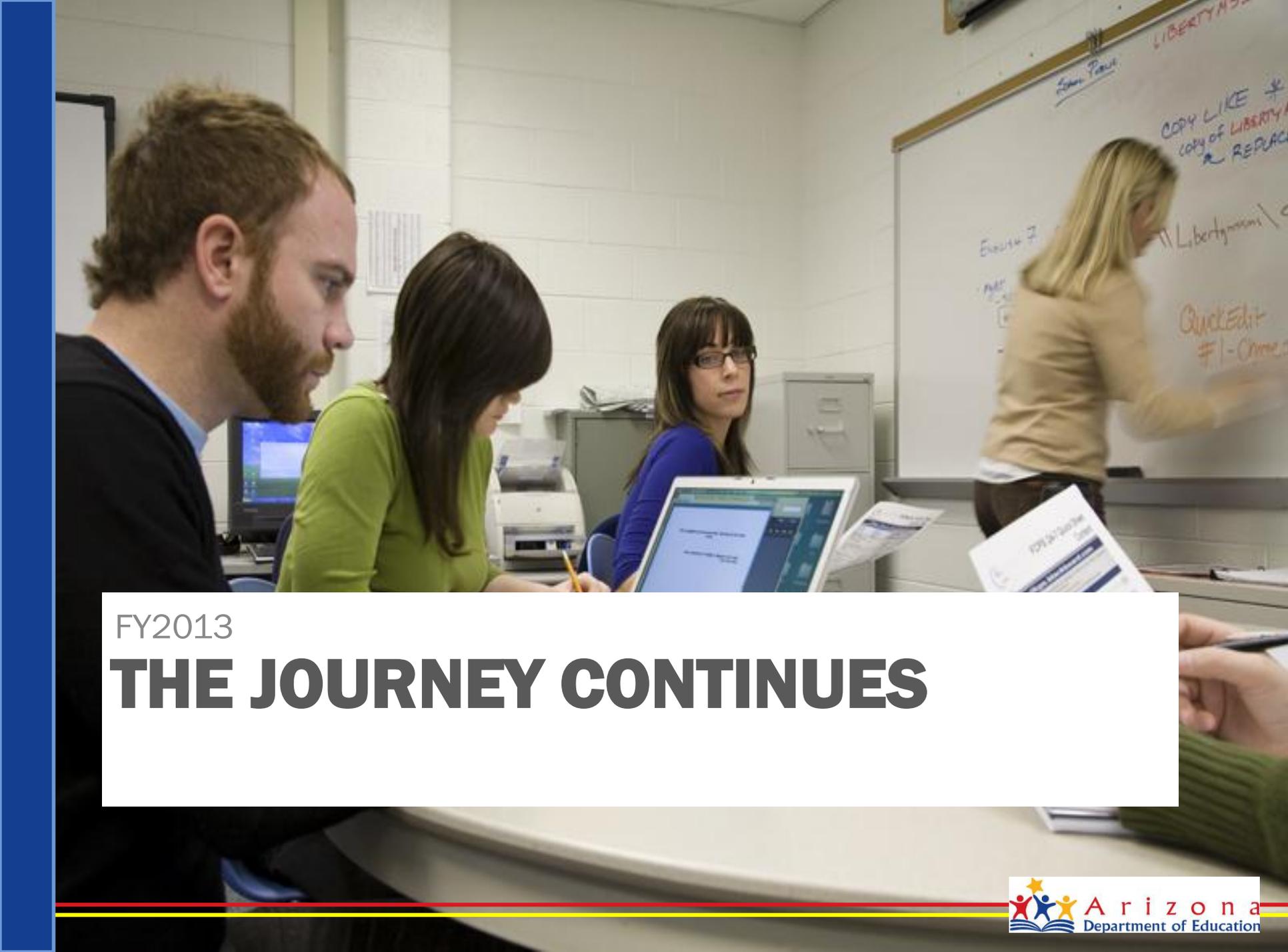
- Will fast-track deployment of SLDS December 2012
 - Capture how Georgia SLDS works
 - Modify and make useful to Arizona
- Identified ADE Challenges
 - Need for data governance policies
 - Structured approach starting at agency
- Need to reorganize project resources
 - Integrate EA and IMS into existing projects

Need for policies

- Lack of data governance policies and structure
- Agency data governance
 - Chief Technology Officer
 - Data Officer
 - ADE internal data governance board
- AELAS data governance
 - AZ Ready IT Task Force
 - Board of Education
 - Data Governance Commission

2013 Approach

- Focus on Data Governance policies
- Leverage other State lessons learned
- Fast-track deployment of Arizona Education Data Driven Decision System (AED³S) December 2012
- Begin Phase I Development SAIS Replacement System
 - School Finance
 - Statewide Student ID
- Begin transformation of ADE Systems (Enterprise Architecture)
 - On Line Certification, Grants Management, Great Plains Phase II, ESS, Enterprise, LEA Calendar, Events Management, Network and Operations
- Deliver Instruction Improvement System to support Common Core



FY2013

THE JOURNEY CONTINUES

Highlights of FY2013 strategy

What will ADE IT be accomplishing this year?

- Ensuring accurate student payments
- Proposing options for long-term, cost-effective statewide data system
- Providing LEAs access to full picture view of ADE student data
- Creating reliable, integrated technology services
- Providing tools for teachers to grow student success

SAIS Phase I Replacement \$500,000 to initiate

Goal: Ensure accurate student payments

- Begin build of new SAIS payment system
 - Ensuring accurate payments
 - Efficient, automated payments process
- Build or buy new Unique Student ID system
 - Create better student identifier
 - Reduce LEA administrative overhead
 - Accuracy of data necessary for payment processing

AELAS Business Case Funded in FY2012

Goal: Propose options for long-term, cost-effective statewide data system

- Based on research and cost-benefit analysis
 - Survey of current landscape complete
- Document state LEA and ADE IT expenditures
- Demonstrate feasibility of proposed options

AED³S (SLDS)

Department of Education \$4.9M grant

Goal: Provide LEAs access to full picture view of ADE student data

- Grant funding for:
 1. Identity management and access security
 2. User-friendly, multi-layered data visualizations
 3. Complete data collection
 4. Training program to effectively access information

****Only K-12 covered by this grant****
- Student/Teacher/Course Connection
 - Cornerstone for all longitudinal efforts
 - Complete Dec 2012
- Deliver external dashboards to 6 pilot districts by Dec 2012

Improve internal ADE programs \$900,000 to initiate

Goal: Create reliable, integrated technology services

- Fully fund Network and Operations to ensure ADE's ability to support AELAS
- Implement online certification, grants management upgrades
- Initiate Great Plains Phase 2
 - Timeliness of school payments
- Rewrite ESS applications and reports
- Determine if CRM is best tool for agency
 - Enterprise Rationalization, Events Management, School Calendar

Instructional Improvement System

MCESA REIL \$1.2M Grant

Goal: Tools for teachers to grow student success

- Continuous instructional improvement
- Early warning indicators
- Supports Common Core and PARCC implementation

A woman with dark hair and glasses is shown in profile, holding a wooden eraser. She is looking towards a chalkboard in the background. The chalkboard contains several multiplication problems: $10 \times 6 = 60$, $11 \times 6 = 66$, and $12 \times 6 = 72$. The woman is wearing a light pink top. The overall scene is a classroom setting.

Ed Jung

ENTERPRISE ARCHITECTURE

Where are we with Data Governance?

- In Process
 - Informal data governance data reviews
 - Complete data flow map of all ADE data
 - Complete inventory of all business rules
- Formalize
 - Data Governance Board and Process
 - Master Data Management group and process
 - Define and centralize data collection process
- Legislative Agenda
 - Produce legislation for data exchange with schools

Where are we going in FY2013?

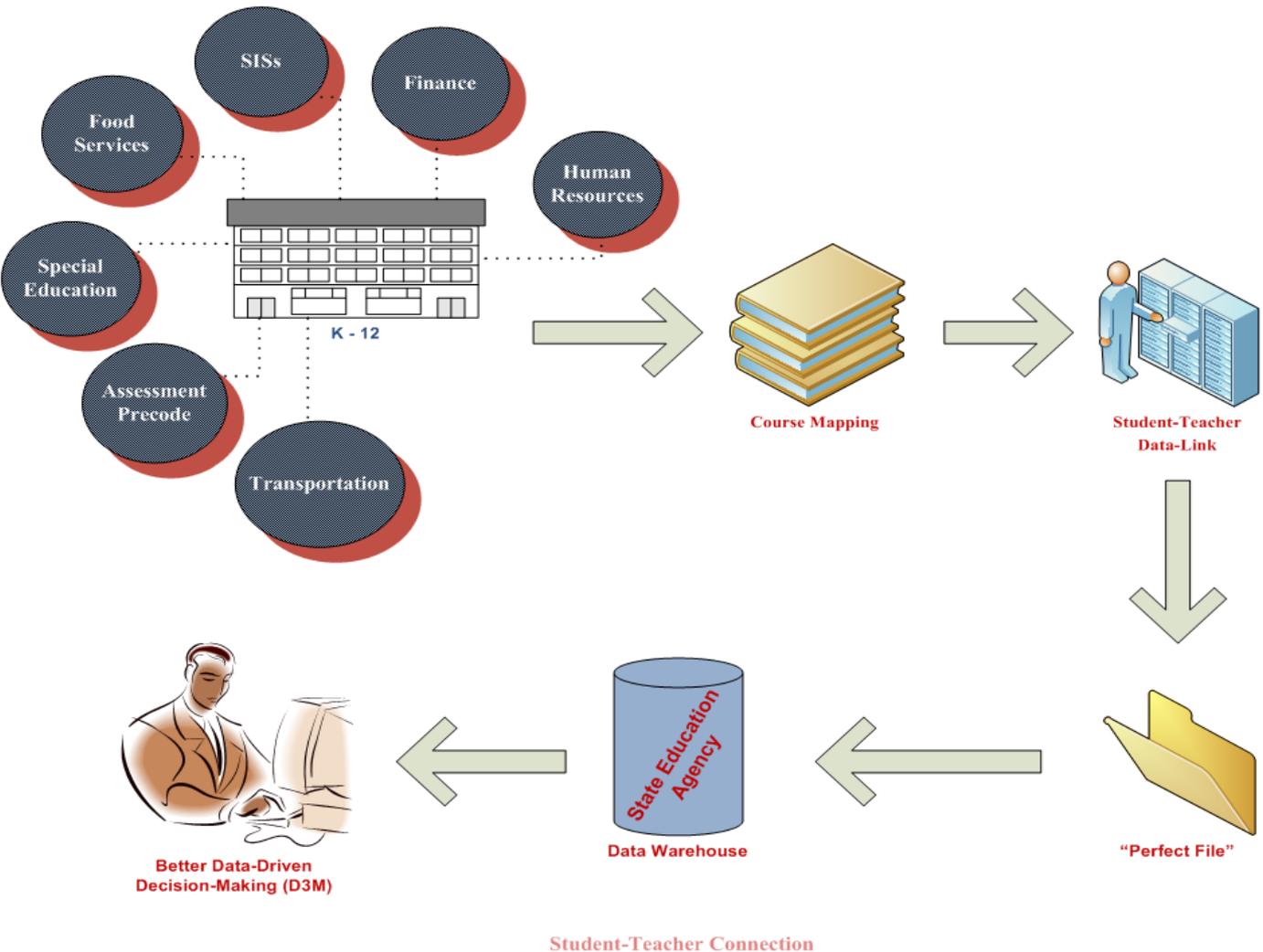
- ADE Data Governance policy ready for signature
- Policies written and ready for review
 - Data Governance Policy
 - Master Data Management Policy
 - Data Dictionary Standard
- Data governance process produced
- Senior leadership and data stewards



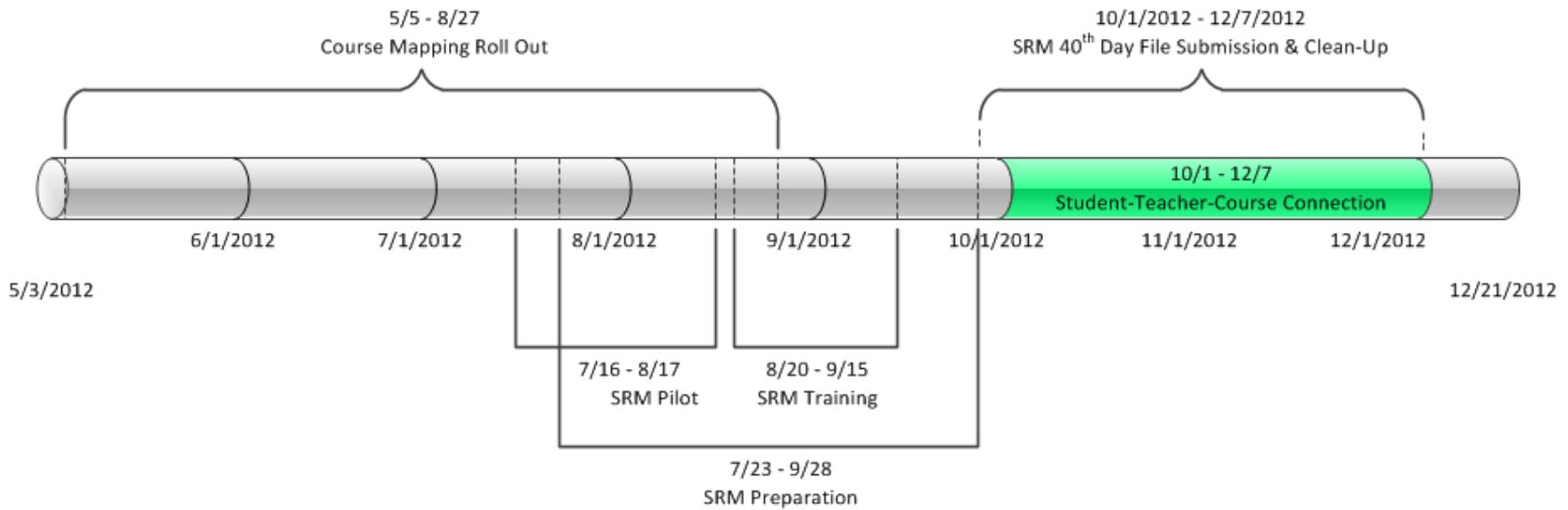
David Dulis

STUDENT/TEACHER/COURSE CONNECTION

The student / teacher lifecycle



Timeline



Project progress

- Course Mapping in progress
 - CourseWalk tool
 - LEA Student Information System (SIS)
- State Report Manager (SRM) preparation
 - SIS vendors engaged; reviewed specs, identified gaps, modifying SIS, creating extract
 - LEAs contacting SIS vendor, attending training, verifying data
- File submissions through SRM
 - Pilot group (10 districts); submitting trials, resolving errors
 - Statewide: 40th Day (October timeframe)
 - Clean-up: November into early December
 - Two additional file submissions during School Year (100th Day, EOY)

Meeting the December deadline

- Comprehensive outreach campaign
 - Webinars (how to, Q&A, focused training)
 - Email campaigns
- Messaging
 - Benefits, data usage
 - Non-Compliance
- Regional meetings
 - Drive accountability at the LEA

A young woman with dark hair in a braid, wearing a light-colored sweater, is writing on a whiteboard with a black marker. In the background, another student is also writing on a whiteboard. The setting is a classroom with a bulletin board and other educational materials visible.

Frank Sweeney

SLDS GRANT

US Department of Education SLDS grant

- Requirements of the grant
 1. Identity management and access security
 2. User-friendly, multi-layered data visualizations
 3. Complete data collection
 4. Training program to effectively access information

FY2013 Efforts

- Deliver external dashboards to 6 pilot districts by Dec 2012
 - Georgia SLDS as a model
 - IMS tunneling



BUDGET UPDATE

Resource requests

• SAIS Phase I Replacement	\$ 500,000
• Improve internal ADE programs	\$ 900,000
<hr/>	
Total	\$1,400,000

AELAS FY2013 program budget

Project	Approved Budget	YTD Spend	Remaining Budget Authorization
SAIS Phase I Replacement	\$500,000	\$0	\$500,000
Improve internal ADE programs	\$900,000	\$0	\$900,000
Total	\$1,400,000	\$0	\$1,400,000

FY2013 AELAS BUDGET SNAPSHOT	
AELAS FY2012 Carryover	\$2,056,537
AELAS FY2013 Allocation	\$6,200,000
AELAS FY2013 Total Available Funding	\$8,256,537

Questions



Contact

Lisa M Blyler

Business Liaison

(602) 542-3144

Lisa.Blyler@AZED.gov