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Longitudinal Data Systems Unpacking the Stimulus

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ed IT Event
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Purpose

Enable state educational agencies to design, develop, and implement statewide, longitudinal data systems to:

- efficiently and accurately manage,
- analyze,
- disaggregate,
- and use individual student data

Goal: Improve academic achievement.



Grant Lingo

Non Stimulus:

Ongoing program from the DOE and the IES (Institute of Education Sciences)

\$65 million for 2009 has been released

Competitive (and cooperative) grants



2009 States Receiving Funding:

State	State	State
Arkansas	Kansas	New York
California	Kentucky	North Dakota
Connecticut	Louisiana	Ohio
Florida	Maryland	Oregon
Georgia	Massachusetts	Pennsylvania
Hawaii	Michigan	Rhode Island
Idaho	Mississippi	Texas
Illinois	Missouri	Washington
Iowa	Montana	Wisconsin

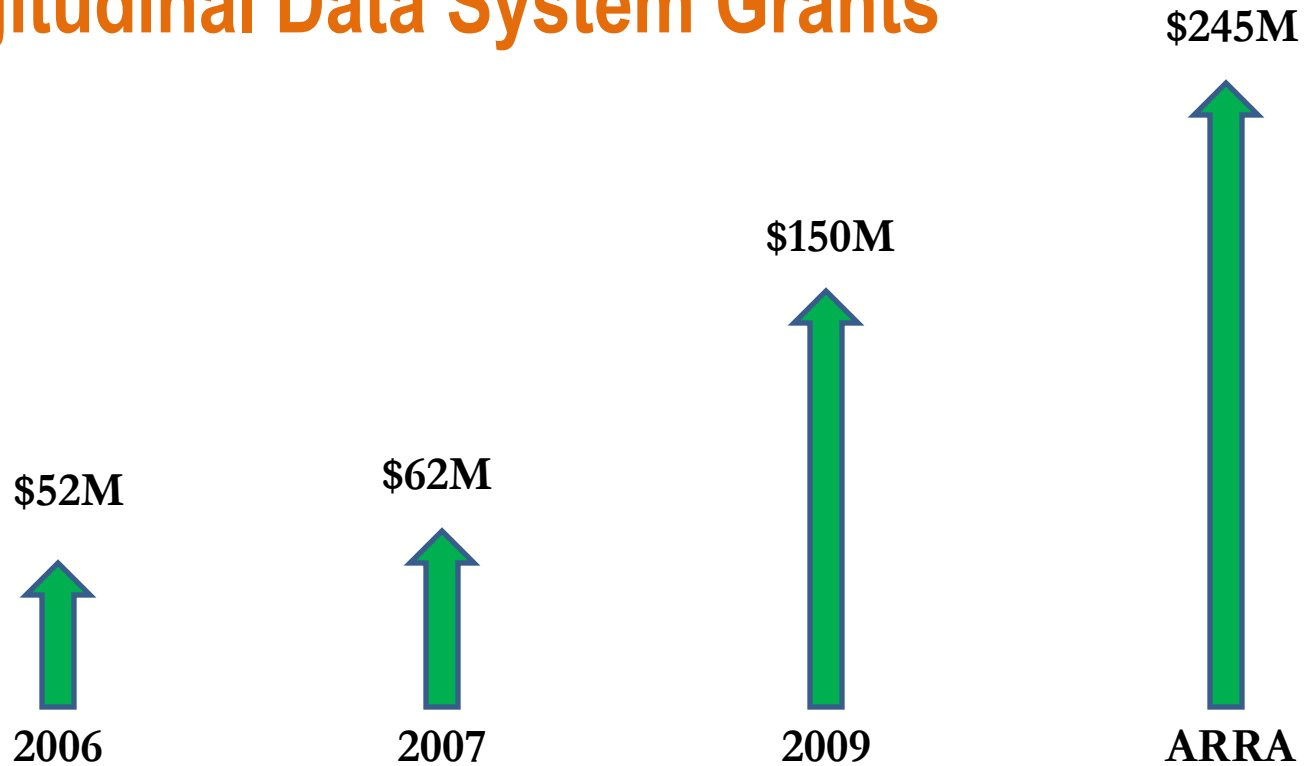


Enter ARRA Statewide Longitudinal Data System: \$250 million Race to the Top: \$4.35 billion

ARRA Grants will range from \$2 million to \$20 million for the entire project period, not to exceed three years. The average grant is expected to be roughly \$10 million.



Longitudinal Data System Grants



* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Statewide Longitudinal Data System Grant Program

- ❖ Goal: Assist State Education Agencies (SEAs) to build/expand comprehensive statewide pre-school to high school, college, and career (“P-20”) longitudinal data systems, so these systems can generate data needed to improve student achievement, reduce achievement gaps, and meet reporting requirements.
- ❖ History: Authorized in 2002 by the Education Sciences Reform Act and the Educational Technical Assistance Act
- ❖ NCES: Grants are cooperative agreements; **these grants have more active federal government involvement than typical grants.**
- ❖ Previous Competitions: In FY06, 14 SEAs were awarded over \$52 million; in FY07, 13 SEAs were awarded over \$62 million; FY09, 27 SEAs were awarded over \$150 million; for FY09 ARRA competition, \$245m available in one time opportunity

* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Specifics – Required Data System Capabilities (7)

- ❖ P20 (preschool through workforce) from SLDS RFA, Section IV. SLDS Requirements linkages
- ❖ Interoperability w/ LEAs, other agencies within state, other states
- ❖ Teacher-student link
- ❖ Teacher certification, preparation data
- ❖ Information for principals, teachers, parents decisions
- ❖ Data quality audits
- ❖ Meet reporting requirements

* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Specifics - Required Data System Elements (12)

-from SLDS RFA, Section IV. SLDS Requirements

With respect to preschool through grade 12 education and postsecondary education:

- ❖ A unique statewide student identifier
- ❖ Student-level enrollment, demographic, and program participation information
- ❖ Student-level information about student exit, transfer in, transfer out, drop out, or complete P-16 education programs
- ❖ Capacity to communicate with higher education data systems
- ❖ State data audit system assessing data quality, validity, and reliability

* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Specifics - Required Data System Elements con't

-from SLDS RFA, Section IV. SLDS Requirements

With respect to preschool through grade 12 education::

- ❖ Yearly test records of individual students
- ❖ Information on students not tested, by grade and subject
- ❖ Teacher identifier system with the ability to match teachers to students
- ❖ Student-level transcript information, including information on courses completed and grades earned
- ❖ Student-level college readiness test scores

* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Specifics - Required Data System Elements con't

-from SLDS RFA, Section IV. SLDS Requirements

With respect to postsecondary education:

- ❖ Data that provide information regarding the extent to which students transition successfully from secondary school to postsecondary education, including whether students enroll in remedial coursework
- ❖ Data that provide other information determined necessary to address alignment and adequate preparation for success in postsecondary education



* Information provided from the Institute of Education Sciences, National Center for Education Statistics

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Specifics of the FY09-ARRA Competition Review Criteria

- ❖ Substantial need for project
- ❖ Clear goals and appropriate and measurable outcomes
- ❖ High-quality, logical, and feasible activities and timeline
- ❖ Effective management and governance plan
- ❖ Personnel and financial resources

* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Application Due Date

- ❖ **Thursday, November 19, 2009, 4:30:00 p.m. EST**
- ❖ Must be submitted electronically to the e-grants.ed.gov site (<https://e-grants.ed.gov>)
- ❖ More information on the application submission process is available in the RFA: XVI. “Submission Requirements”

* Information provided from the Institute of Education Sciences, National Center for Education Statistics



Award Decisions

The following will be considered in making award decisions:

- ❖ Overall merit of the proposal, as determined by the peer review
- ❖ Responsiveness to requirements of this RFA
- ❖ Prior funding under this program and stage of development of State's system
- ❖ Performance and use of funds under previous Federal awards
- ❖ Funding available



Notes

- ❖ Grants will not be made available to support ongoing maintenance of data systems. Funds can be used to expand and/or improve existing systems, and to support system implementations.
- ❖ States are encouraged to establish partnerships with institutions and agencies within the State that hold data to be included in the statewide, longitudinal data system.
- ❖ States are encouraged to develop partnerships with State workforce agencies
- ❖ States are encouraged to develop partnerships with external research organizations and must include in their applications and plans strategies for providing researchers access to State data



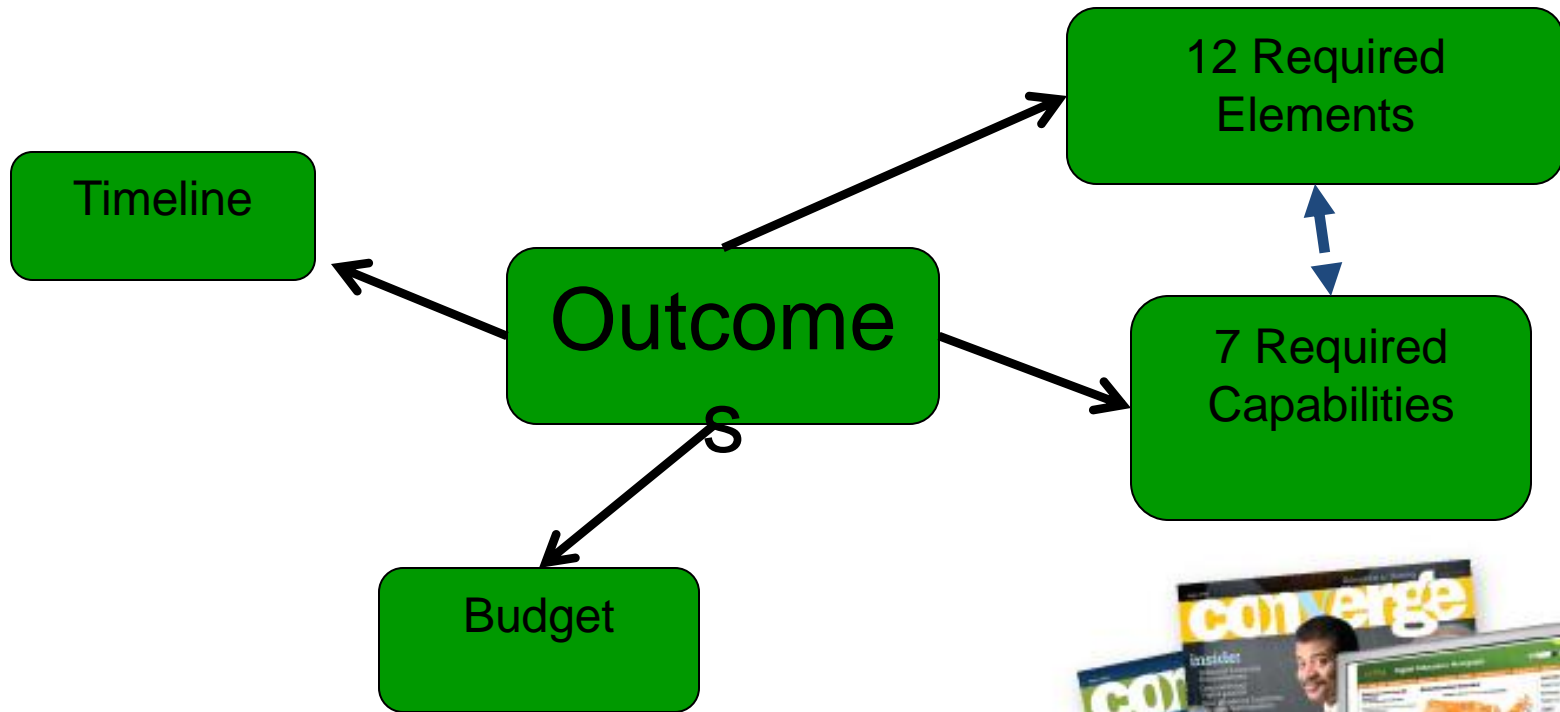
Preparing and Submitting an Application

- ❖ FY09-ARRA Request for Applications is available at:
http://nces.ed.gov/Programs/SLDS/grant_information.asp
- ❖ FY09-ARRA Application Packages are available at:
<https://e-grants.ed.gov>
- ❖ SLDS Program Information is available at:
<http://nces.ed.gov/Programs/SLDS>

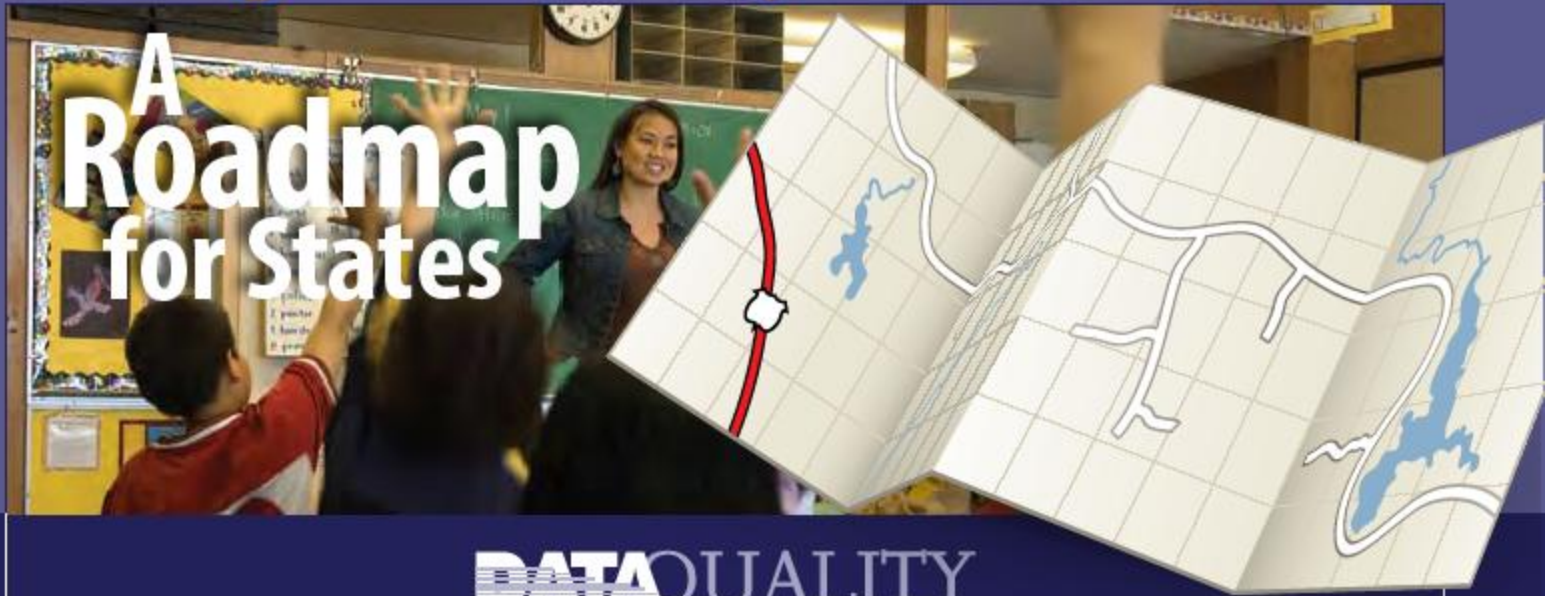


* Information provided from the Institute of Education Sciences, National Center for Education Statistics

Specifics of the FY09-ARRA Competition



Leveraging Federal Funding for Longitudinal Data Systems



DATAQUALITY
CAMPAIGN

Using Data To Improve Student Achievement

www.DataQualityCampaign.org

* Information provided from Data Quality Campaign

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10 Essential Elements of a Longitudinal Data System

- 1.) A unique statewide student identifier that connects student data across key databases across years *(48 states report having this element, up from 36 in 2005)*
- 2.) Student-level enrollment, demographic and program participation information *(49 states, up from 38 in 2005)*
- 3.) The ability to match individual students' test records from year to year to measure academic growth *(48 states, up from 32 in 2005)*
- 4.) Information on untested students and the reasons they were not tested *(41 states, up from 25 in 2005)*
- 5.) A teacher identifier system with the ability to match teachers to students *(21 states, up from 13 in 2005)*
- 6.) Student-level transcript information, including information on courses completed and grades earned *(17 states, up from 7 in 2005)*
- 7.) Student-level college readiness test scores *(29 states, up from 7 in 2005)*
- 8.) Student-level graduation and dropout data *(50 states, up from 34 in 2005)*
- 9.) The ability to match student records between the P-12 and postsecondary systems *(28 states, up from 12 in 2005)*
- 10.) A state data audit system assessing data quality, validity and reliability *(45 states, up from 19 in 2005)*

* Information provided from Data Quality Campaign



Travel Tips

Maximizing Federal Opportunities to Build and Link State Data Systems

Identify agencies and specific individuals in your state who are in charge of each of the programs and funding sources illustrated in this roadmap.

Create an interagency data planning and implementation committee with both policy leaders and technical/data staff to develop and coordinate applications for the ARRA funds. It should include all of the individuals identified above.

Seek broad stakeholder input to create a list of priority questions that you need to answer with your state's linked data systems.

Develop a governance model that determines how data are linked and shared, who has access, how data may be used, and who controls and maintains the system. State policymakers need to develop a single, unified vision for their state's human capital development system.

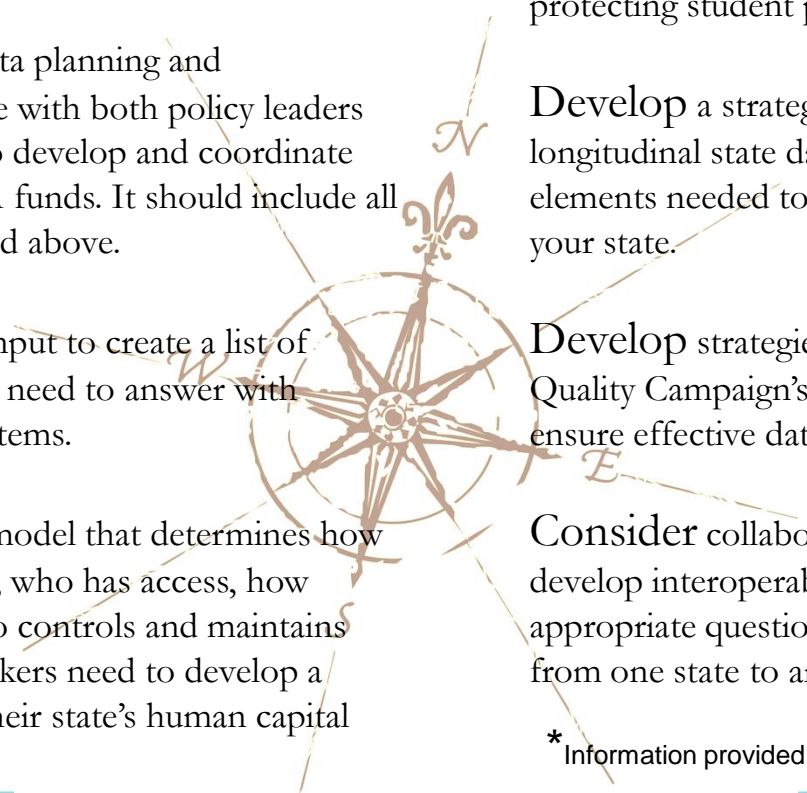
Identify and, if necessary, change any laws or policies that may prevent state agencies from linking their data with other state agencies while protecting student privacy.

Develop a strategy for ensuring that your K–12 longitudinal state data system has all of the elements needed to support decisions within your state.

Develop strategies for implementing the Data Quality Campaign's (DQC's) 10 state actions to ensure effective data use.

Consider collaborating with other states to develop interoperable systems that can answer appropriate questions about people who move from one state to another.

* Information provided from Data Quality Campaign



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