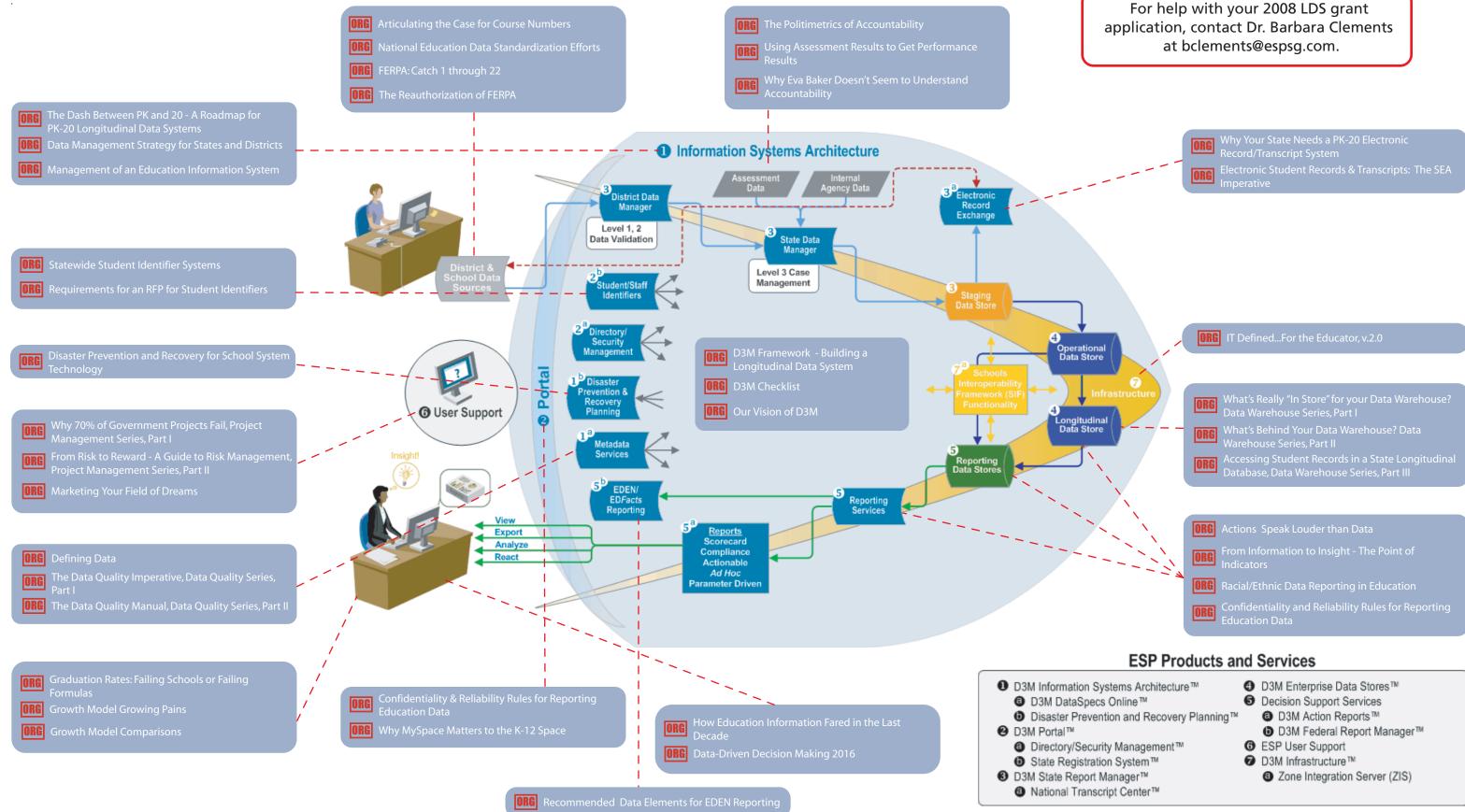# Longitudinal Data System—Library of Resources

What does an education agency need for successful implementation of a longitudinal data system? ESP's Optimal Reference Guide (ORG) series of white papers explains best practices from our extensive work with education agencies nationwide. Download these free at www.espsolutionsgroup.com/resources.

**ESP Solutions Group**

For help with your 2008 LDS grant application, contact Dr. Barbara Clements at bclements@espsg.com.

**ORG** Articulating the Case for Course Numbers
**ORG** National Education Data Standardization Efforts
**ORG** FERPA: Catch 1 through 22
**ORG** The Reauthorization of FERPA

**ORG** The Politimetrics of Accountability
**ORG** Using Assessment Results to Get Performance Results
**ORG** Why Eva Baker Doesn't Seem to Understand Accountability

**ORG** The Dash Between PK and 20 - A Roadmap for PK-20 Longitudinal Data Systems
**ORG** Data Management Strategy for States and Districts
**ORG** Management of an Education Information System

**ORG** Why Your State Needs a PK-20 Electronic Record/Transcript System
**ORG** Electronic Student Records & Transcripts: The SEA Imperative

**ORG** Statewide Student Identifier Systems
**ORG** Requirements for an RFP for Student Identifiers

**ORG** Disaster Prevention and Recovery for School System Technology

**ORG** Why 70% of Government Projects Fail, Project Management Series, Part I
**ORG** From Risk to Reward - A Guide to Risk Management, Project Management Series, Part II
**ORG** Marketing Your Field of Dreams

**ORG** Defining Data
**ORG** The Data Quality Imperative, Data Quality Series, Part I
**ORG** The Data Quality Manual, Data Quality Series, Part II

**ORG** IT Defined...For the Educator, v.2.0

**ORG** What's Really "In Store" for your Data Warehouse? Data Warehouse Series, Part I
**ORG** What's Behind Your Data Warehouse? Data Warehouse Series, Part II
**ORG** Accessing Student Records in a State Longitudinal Database, Data Warehouse Series, Part III

**ORG** Actions Speak Louder than Data
**ORG** From Information to Insight - The Point of Indicators
**ORG** Racial/Ethnic Data Reporting in Education
**ORG** Confidentiality and Reliability Rules for Reporting Education Data

**ORG** Graduation Rates: Failing Schools or Failing Formulas
**ORG** Growth Model Growing Pains
**ORG** Growth Model Comparisons

**ORG** Confidentiality & Reliability Rules for Reporting Education Data
**ORG** Why MySpace Matters to the K-12 Space

**ORG** How Education Information Fared in the Last Decade
**ORG** Data-Driven Decision Making 2016

**ORG** Recommended Data Elements for EDEN Reporting

## Diagram: Information Systems Architecture

❶ **Information Systems Architecture**

Assessment Data | Internal Agency Data

❸ District Data Manager
Level 1, 2 Data Validation

❸ᵃ Electronic Record Exchange

❸ State Data Manager
Level 3 Case Management

District & School Data Sources

❷ᵇ Student/Staff Identifiers
❷ᵃ Directory/ Security Management
❶ᵇ Disaster Prevention & Recovery Planning
❶ᵃ Metadata Services

**ORG** D3M Framework - Building a Longitudinal Data System
**ORG** D3M Checklist
**ORG** Our Vision of D3M

❻ User Support

❷ Portal

❺ᵇ EDEN/ EDFacts Reporting

❺ᵃ Reports
Scorecard
Compliance
Actionable
Ad Hoc
Parameter Driven

❺ Reporting Services

View / Export / Analyze / React

Insight!

❻ Staging Data Store
❼ᵃ Schools Interoperability Framework (SIF) Functionality
❹ Operational Data Store
❼ Infrastructure
❹ Longitudinal Data Store
❺ Reporting Data Stores

## ESP Products and Services

❶ D3M Information Systems Architecture™
  ⓐ D3M DataSpecs Online™
  ⓑ Disaster Prevention and Recovery Planning™
❷ D3M Portal™
  ⓐ Directory/Security Management™
  ⓑ State Registration System™
❸ D3M State Report Manager™
  ⓐ National Transcript Center™

❹ D3M Enterprise Data Stores™
❺ Decision Support Services
  ⓐ D3M Action Reports™
  ⓑ D3M Federal Report Manager™
❻ ESP User Support
❼ D3M Infrastructure™
  ⓐ Zone Integration Server (ZIS)

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