



New Mexico Longitudinal Data System (NMLDS)

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Project Objective

Build a system which collects, validates and combines key child, student and worker data into a federated data warehouse.

Business Goal

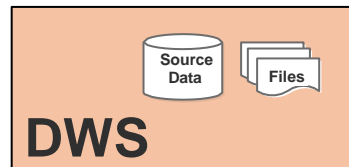
Help educators, workforce developers and policymakers identify student challenges early on, make targeted interventions and investments, and determine what educational practices and programs drive student success from childhood into the workforce.

Background

- New Mexico ranks last in the country for four-year high school graduation rates, 48th in the country for high school dropout rates, and 48th in the country for college enrollment
- Governor Lujan Grisham has made education a priority, including using qualitative data to track student and school achievement
- Current agency-specific data systems collect information from constituent groups, but there's no capacity to adequately merge these data to give a full picture of individual outcomes or patterns

Project Overview

From this...



Data sets include:

- Employment Figures
- Occupations & Wages
- Occupational Outlook
- Employment Projections
- Labor Force & Unemployment data



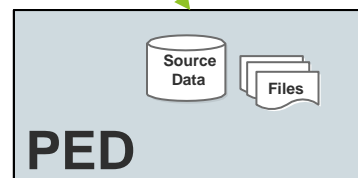
Data sets include:

- Childcare Providers Certifications
- Childcare Providers Licensure
- Child Care Eligibility case load
- Pre-K Assessments
- Pre-K Providers
- Home Visiting Referrals

Manual CSV files

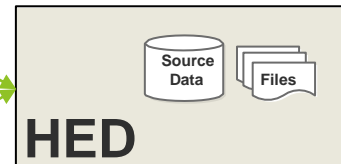
Manual CSV files

Manual CSV files



170+ District and State Charter data sets include:

- Teacher information
- Course data
- Student information
- Attendance data
- License data
- Assessments data



Data sets include:

- Student Information
- Institutional Course information
- Institutional Financial Aid data
- Student Course data
- Student Financial Aid data

Acronyms

CSV = Comma-Separated Values

DWS = Department of Workforce Solutions

ECECD = Early Childhood Education & Care Dept

HED = Higher Education Department

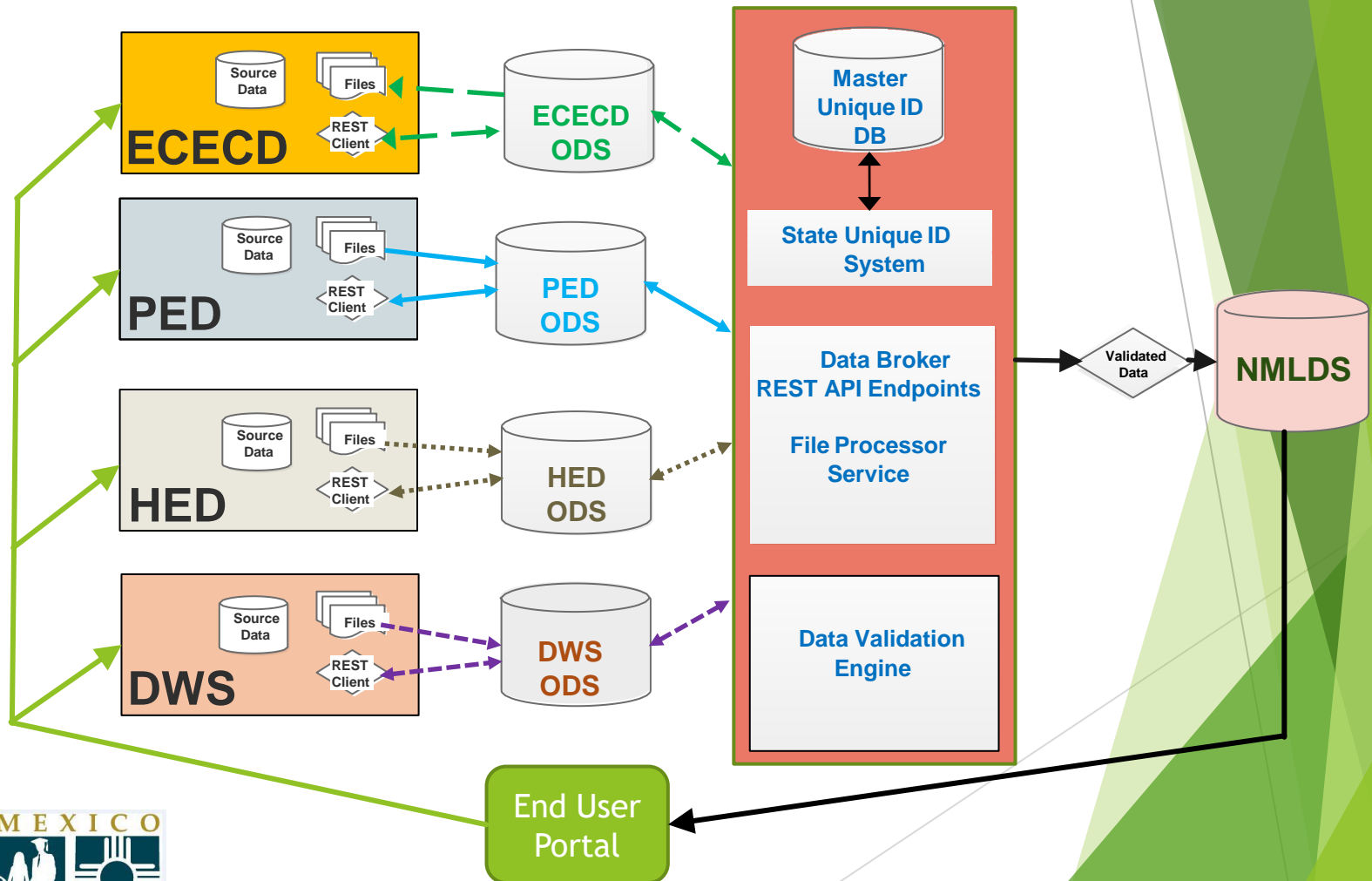
PED = Public Education Department

Project Overview

To this...

Acronyms

DWS = Department of Workforce Solutions
ECECD = Early Childhood Education & Care Dept
HED = Higher Education Department
LDS = Longitudinal Data Store
ODS = Operational Data Store
PED = Public Education Department



Project Abstract

- ▶ Link key Department of Workforce Solutions (DWS), Early Childhood Education and Care Department (ECECD), HED, Public Education Department (PED) data into a single federated data warehouse.
- ▶ This will be 4-year effort with the first year's focus on discovery activities to refine the project's scope, consider technical approach alternatives and define the expected outcomes.
- ▶ The procurement approach for scope implementation will be via RFP, the result being an agencies-selected, vendor-provided COTS solution.
- ▶ Years 2-4 will focus on project planning and implementation activities of the solution.

Project Deliverables: Initiation Phase

Deliverable	Due Date	Project Phase
Execute PM and Business Analyst contracts	10/1/20	Initiation
Finalize and sign project charter	11/1/20	Initiation
Sign all inter-agency MoUs (DWS, ECECD, HED, PED)	12/1/20	Initiation
Issue an RFP for the Longitudinal Data System solution	1/15/21	Initiation
Establish and convene Project Steering Committee	2/15/21	Initiation
Complete analysis of CEDS and agencies data & systems	4/15/21	Initiation
Approve Communication Management Plan	5/15/21	Initiation
Review top 2-4 vendor bids	6/10/21	Initiation
Select the winning bid	6/25/21	Initiation

Initiation Phase: Additional Details

The following activities will also be performed during the Initiation Phase:

- Identify and engage stakeholders
- Establish project governance structure
- Draft and sign inter-agency Memoranda of Understanding (MoUs)
- Assess Common Education Data Standards (CEDS) viability as a data architecture solution
- Implement data-driven decision-making processes
- Perform market/vendor research
- Finalize a solution acquisition strategy
- Draft a project management plan