MDE IT System and Process Roadmap Presentation

October 14-15, 2024 – Dave Judd – Director OSET/MDE

Michigan's Top 10
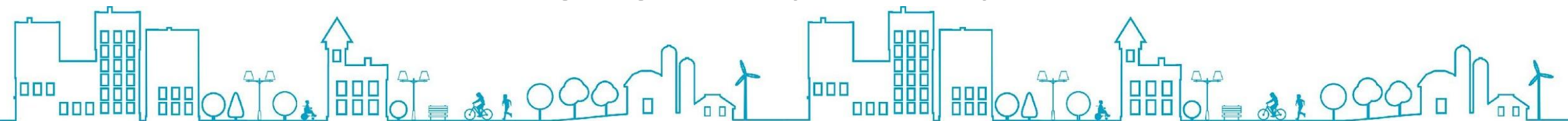# Strategic Education Plan

- Michigan's education plan

- Focus education efforts to support learners

- Plan components:
  - Mission and vision
  - 6 Guiding principles
  - 8 Goals
  - Metrics for each goal

- Opportunity to share contributions through the Promising Practices Exchange

Goals

- Expand early childhood learning opportunities
- Improve early literacy achievement
- Improve the health, safety, and wellness of all learners
- Expand secondary learning opportunities for all students
- Increase the percentage of all students who graduate from high school
- Increase the percentage of adults with a post-secondary credential
- Increase the numbers of certified teachers in areas of shortage
- Provide adequate and equitable school funding

Visit michigan.gov/mde for more information

Beyond Compliance
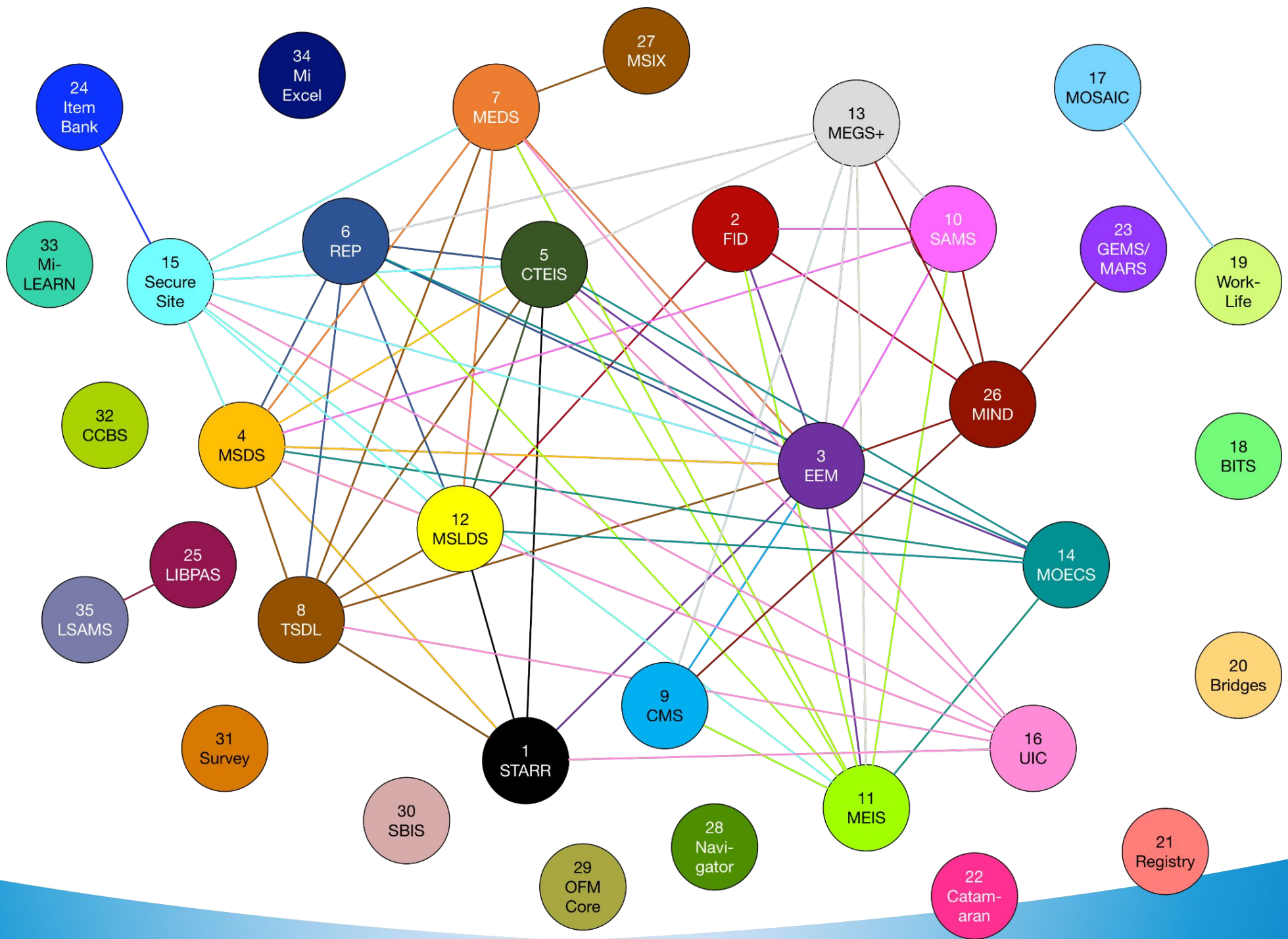
COMPLIANCE

MDE's compliance systems are in place and working well. We must now focus on co-constructing a cohesive system to better support learning and learners.

MDE and CEPI Core Data Systems & Interfaces

Mapping Core Data Systems

Data Governance

Executive Management	
Governance Board	**Roles & Responsibilities of the Data Governance Board:** ○ Decision Making ○ Evaluate solutions ○ Prioritization ○ Communication ○ Escalation point for data definition decisions
Data Architects	
Data Stewards	
Data Managers	

MDE IT RoadMap

Vision

Reinvent the department's information technology systems to provide a common approach and improved user experience which will support learning and learners in Michigan.

MDE IT RoadMap

Goals

- Centralize and simplify the management and governance of all MDE systems.

- Reduce the number of individual systems that are maintained by the department.

- Develop a single common sign on and technical approach that connects users to all the department's systems.

- Leverage and expand existing technology infrastructure instead of building standalone systems.

- Collaborate with our education partners to provide users, such as the Michigan Data Hubs, with comprehensive access to relevant data and useful information.

- Move systems, wherever possible, into cloud-based solutions.

- Integrate reporting and data analytic tools, such as Power BI, into new systems.

MDE IT RoadMap

Benefits

- Like systems are renewed at the same time.
- Provides the department with the ability to financially plan for system upgrades.
- Allows for the best use of MDE and DTMB resources.
- Establishes a concurrent cycle for system upgrades.

Status update:

- MiEdWorkForce project combines MOECS and REP and aligns data systems to CEDS data standard while moving application and hosting into the Azure cloud.

- MICIP system, process, mindset successfully developed utilizing MiDataHub technology and ISD development expertise with 100% district adoption.

- Ongoing positive collaboration with CEPI on all current and upcoming system upgrades.

- MiLogin rollout into all IT systems continues.

- PowerBI usage is increasing in MDE and ongoing training is planned to improve utilization of data for policy decisions.

Success Story: MiLearn

Michigan Linked Educational Assessment Reporting Network

Collaboration
- MDE, MiDataHub, ESCs, Districts, SIS Vendors

Trust
- System is optional for districts
- Districts provide student class roster information to MDE that isn't mandated

Value
- Parents, students and educators can access their M-STEP, PSAT, and SAT test scores for multiple years
- Access is single sign-on from SIS parent/student portals and teacher gradebooks

Success Story: State Assessment Service

Transfer of State Assessment Data to MiDataHub
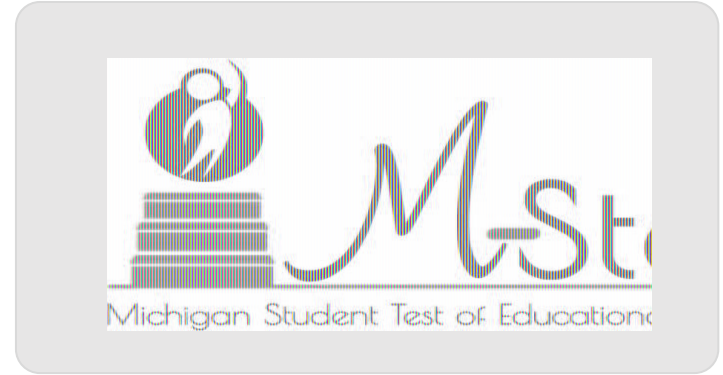
Collaboration
- MDE, MiDataHub, CEPI

Trust
- Districts opt into service
- State sends data for students who are in the district ODS

Value
- Districts have historical M-STEP, PSAT and SAT data loaded to their ODS, where they can use it along with other data
- Provides assessment data for students they have today
- Avoids downloading and interpreting CSV files

Success Story: MICIP

Michigan Integrated Continuous Improvement Process

Collaboration

- MDE, MiDataHub, MAISA

Trust

- District ability to source data from multiple sources for planning and monitoring
- MDE only has access to data as presented in completed plans for plan review and approval

Value

- Leveraged agreement and SSO from MiDataHub
- District voice in system creation

Success Story: Benchmark Assessment Mandate

Legislative response to COVID-19 learning loss

Collaboration
- MI Legislature, MDE, CEPI, MiDataHub, Vendors, Research Partners, Districts, ISDs

Trust
- Districts provide student level assessment data to MiDataHub
- Assessment data aggregated and used by research partners

Value
- Saves districts time of creating complex aggregate template
- Provided information to legislature to target funding to areas most needed

EPIC Education Policy Innovation Collaborative
RESEARCH WITH CONSEQUENCE

MICHIGAN EDUCATION DATA CENTER

Questions?