

# Data Modernization Initiative Update

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## Goals of the Data Modernization Initiative (DMI)

The goal of DMI is to equip internal and external stakeholders with actionable insight and data for decision-making purposes. We aim to accomplish this through three main priorities:

### Redesigned Infrastructure

Design and implement a modern, flexible, scalable, secure data architecture to:

- Streamline data submission and management
- Support efficient provisioning of data products

Deliver user-centered value through improved data submission methods, dynamic access, robust governance and security

### Expand Data Offerings

Deliver user-centered value through high-priority data products

More readily available reporting and analysis derived from integrated tri-agency data sets

Increased support for strategic use cases of interest to institutional leaders and other agency partners

### Embed Continuous Improvement

Update data usage and sharing agreements to allow desired reporting while maintaining governance and control

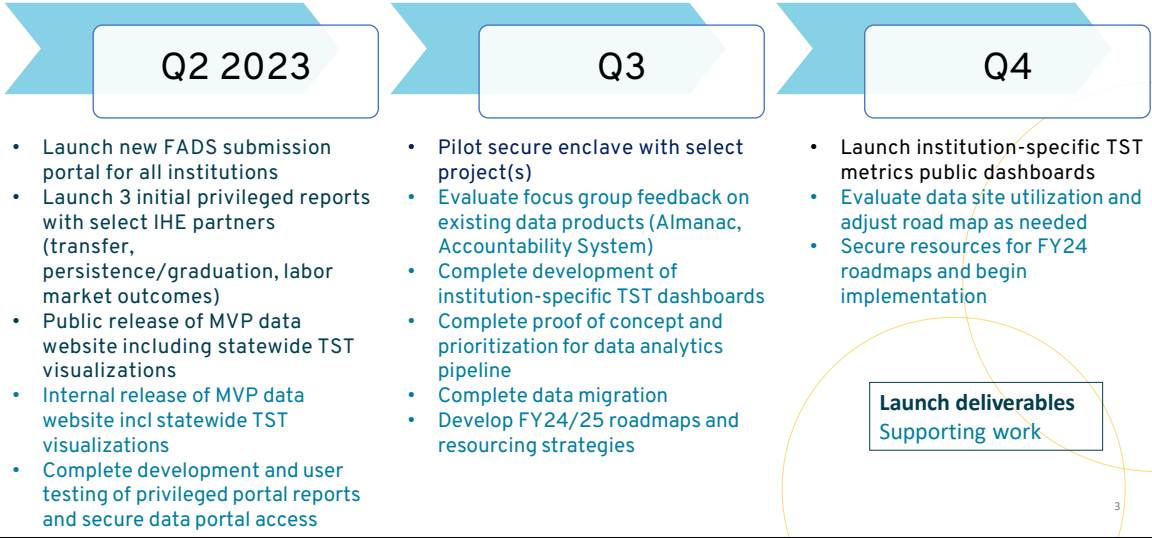
Evolve current business processes and website to support new offerings

Establish disciplined product management to keep products relevant, including robust web analytics

Build routines for stakeholder engagement, feedback, and involvement

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# DMI and Talent Strong Texas metrics roll out as of 4/21/2023



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# Implementation Roadmap Through Q2 2023

	Accomplished to Date	Work in Progress	Planned Work through June 2023
<b>Tech &amp; Data Architecture</b>	<ul style="list-style-type: none"> <li>✓ Established technical and production environments for testing and development</li> <li>✓ Launched work to support development of:                             <ul style="list-style-type: none"> <li>• Submission of course and program information</li> <li>• Privileged data portal and secure data enclave</li> <li>• Initial hiring of DataOps team</li> <li>• Planning and creation of data management zones</li> <li>• Proof-of-Concept to improve cloud performance</li> </ul> </li> <li>✓ Completed onboarding of secure enclave/privileged reports vendor</li> </ul>	<ul style="list-style-type: none"> <li>• Fine tune quality assurance and user testing environments</li> <li>• Continue development work on secure data portal and initial privileged report products</li> <li>• Launch initial privileged data reports (transfer, persistence and graduation, labor market outcomes)</li> <li>• Continue data migration and pipeline work per roadmap</li> <li>• Launch data operations team and develop data management zone workplan</li> </ul>	<ul style="list-style-type: none"> <li>• Continue stakeholder outreach and feedback based on change management and stakeholder engagement plans</li> <li>• Continue training internal team on new cloud components and tools</li> <li>• Launch CBM certification feature in data submission portal</li> <li>• Launch new Financial Aid Data System (FADS) data submission portal for use by pilot institutions submitting reports using the modernized infrastructure</li> </ul>
<b>Governance</b>	<ul style="list-style-type: none"> <li>✓ Executed Tri-Agency data sharing agreement and initial research inventory</li> <li>✓ Identified suitable data dictionary solution</li> <li>✓ Launched internal data governance website resource for centralized access to policies and processes</li> <li>✓ Approved agency data suppression policy</li> </ul>	<ul style="list-style-type: none"> <li>• Implement agency data suppression policy in data products and pipelines</li> <li>• Finalize Tri-Agency Data Work Group 2023 project charter to guide development of Tri-Agency governance structures, policies, and processes based on data sharing agreement</li> <li>• Plan and resource implementation of a comprehensive, accessible data dictionary</li> <li>• Finalize additional policies for data access and use</li> </ul>	<ul style="list-style-type: none"> <li>• Complete focus group work with external stakeholder group(s) on key THECB data offerings (accountability systems, Almanac)</li> <li>• Hire and onboard new Data Governance Director</li> <li>• Finalize and implement key governance policies and processes (e.g., internal access and use, ad hoc requests)</li> </ul>
<b>Communications</b>	<ul style="list-style-type: none"> <li>✓ Launched main agency website, including fully onboarding new agency web developer</li> <li>✓ Completed vendor work on data visualizations for refreshed data site</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare for launch of refreshed data site</li> <li>• Initiate and implement internal change management training, including policy changes</li> <li>• Conduct workshop with internal stakeholders to build 2023-24 roadmap</li> <li>• Develop consolidated product road maps and resourcing plans for post-GEER work</li> </ul>	<ul style="list-style-type: none"> <li>• Launch refreshed agency data website utilizing new UI/UX design, including initial dashboards</li> <li>• Refine consolidated architecture and migration plan for all agency websites</li> </ul>

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# Questions?

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