

Texas Higher Education
COORDINATING BOARD

Data Modernization Initiative Update

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Data Modernization Initiative

OUR VISION
Equip internal and external stakeholders with **actionable insight**
and **data for decision-making purposes.**

OUR GOALS

- Redesign Infrastructure
- Expand Data Offerings
- Improve Continuously

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Issues to Address

- Extensive manual processing of data submissions and data analysis
- Data validation rules are coded vs. configured requiring substantial ISS effort to manage/maintain
- Difficult to navigate and find data via websites due to limited search and sub-optimal UX
- Limited funding to make large-scale improvements

Key Benefits

<p style="text-align: center;">Reduced Manual Data Processing</p> <p style="text-align: center;">Less time spent preparing/accessing data manually, more time to generate meaningful insights</p>	<p style="text-align: center;">Actionable Insights</p> <p style="text-align: center;">More readily available reporting & analysis derived from integrated Tri-Agency data sets</p>	<p style="text-align: center;">Trusted Data & Governance</p> <p style="text-align: center;">Strengthened processes to manage access and use of data, and improved transparency around data definitions</p>
<p style="text-align: center;">Increased Responsiveness</p> <p style="text-align: center;">High user adoption & satisfaction rates through thoughtful user experience design and effective change management</p>	<p style="text-align: center;">Data Sharing</p> <p style="text-align: center;">Updated data usage and sharing agreements to allow desired reporting while maintaining sufficient governance and control</p>	<p style="text-align: center;">Expands with Stakeholder Needs</p> <p style="text-align: center;">Modernized products that benefit THECB internal & external stakeholders and support economic growth</p>

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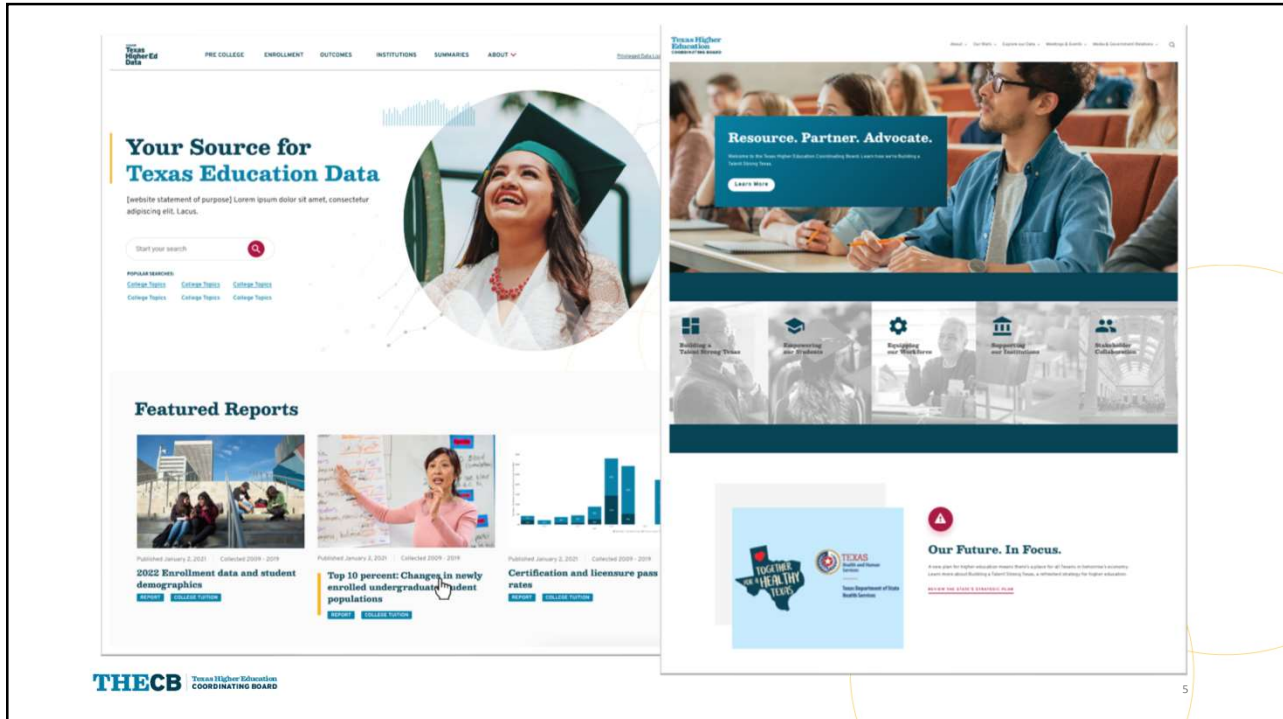
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Implementation Roadmap Through Dec. 2022

	Accomplished to Date	Work in Progress	Planned Work through Dec 2022
Tech & Data Architecture	<ul style="list-style-type: none"> ✓ Established technical and production environments for testing and development ✓ Launched work to support development of: <ul style="list-style-type: none"> • Form and document submission portal • Privileged data portal and secure data enclave • Data management program including data modeling and governance • Change management and stakeholder engagement ✓ Completed internal user testing for initial enrollment and certificates/degrees awarded dashboards ✓ Onboarded vendor and launch design/development work for primary data website 	<ul style="list-style-type: none"> • Continue developing data products into new, improved user experience dashboards • Launch quality assurance and user testing environments • Complete work to launch privileged and secure data enclave portals and initial products • Complete user testing, followed by pilot launch of the data submission portal for use by institutions submitting Financial Aid Data System (FADS) reports using the modernized data pipeline 	<ul style="list-style-type: none"> • Initiate stakeholder outreach and feedback based on change management and stakeholder engagement plans • Iterate on product versions based on user feedback and input; continue development of new products according to a refined road map and prioritization • Continue training internal team on new cloud components • Migrate additional CBM reports to drive development for the data submission portal and additional enhanced data reports
Governance	<ul style="list-style-type: none"> ✓ Consolidated stakeholder input ✓ Completed assessment and recommendations report ✓ Approved data governance charter and handbook by the data governance council ✓ Launched enhanced agency-wide data governance structure ✓ Completed review of Tri-Agency governance ✓ Executed Tri-Agency data sharing agreement and initial research inventory 	<ul style="list-style-type: none"> • Implement Tri-Agency data sharing agreement • Prioritize and develop implementation approach for Tri-Agency data governance improvements to support new offerings, together with TWC and TEA partners • Identify and procure a web-based solution for a comprehensive, accessible data dictionary 	<ul style="list-style-type: none"> • Finalize 2023 project charter to guide development of Tri-Agency governance structures, policies, and processes based on recommendations • Solicit feedback from external stakeholder group(s) on priority THECB and Tri-Agency data governance areas
Communications	<ul style="list-style-type: none"> ✓ Secured cloud-based hosting environment ✓ Completed expert review of main website by new partners to assess main website build ✓ Completed migration of websites from test environment to development environment ✓ Added web development resource to expedite technical improvements to websites 	<ul style="list-style-type: none"> • Launch main agency website, including fully onboarding new agency web developer • Prepare for launch of refreshed data site, following launch of agency website • Initiate and implement internal change management training, begin external change management activities 	<ul style="list-style-type: none"> • Launch refreshed agency data website utilizing new UI/UX design, including initial dashboards • Refine consolidated architecture and migration plan for all agency websites • Conduct workshop with internal stakeholders to build 2023-24 roadmap

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