

Data Modernization Initiative Update



Texas Higher Education Coordinating Board

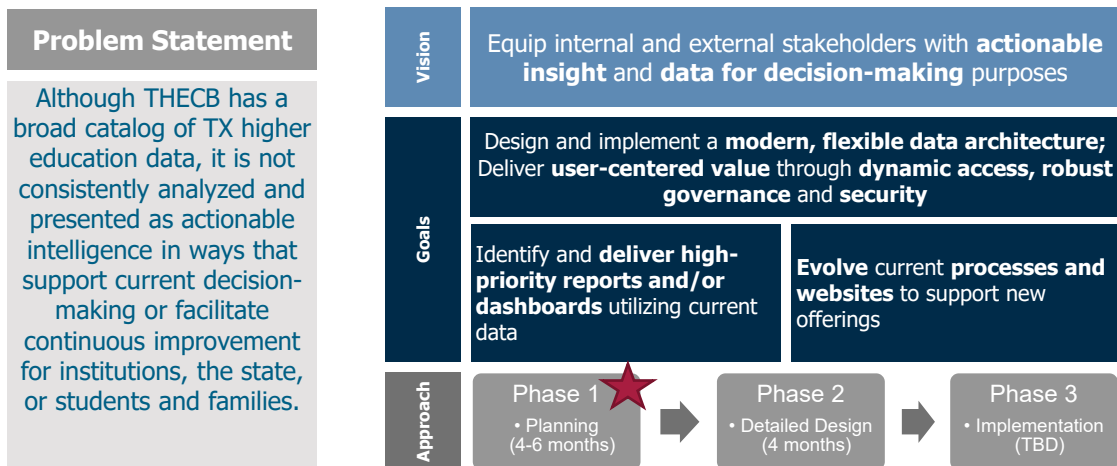
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Deputy Commissioner,
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Data Modernization Initiative

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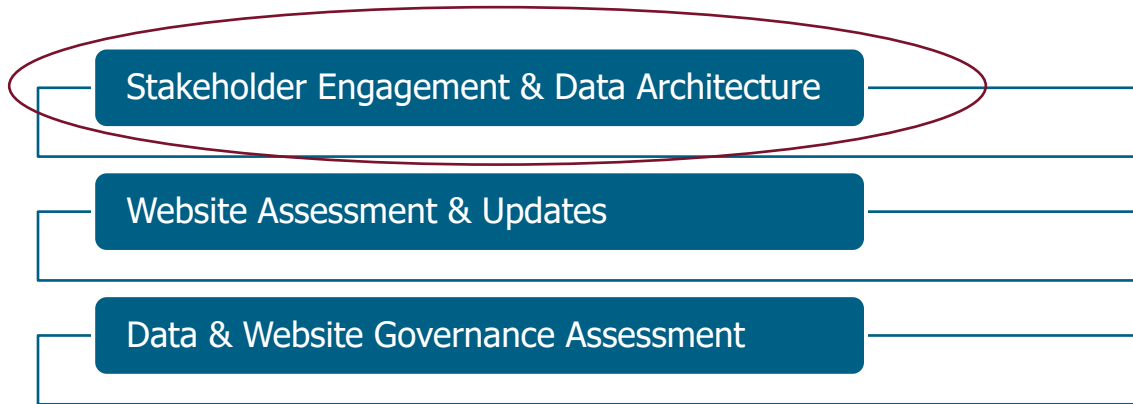
Data Infrastructure Modernization Initiative



Data Modernization Initiative

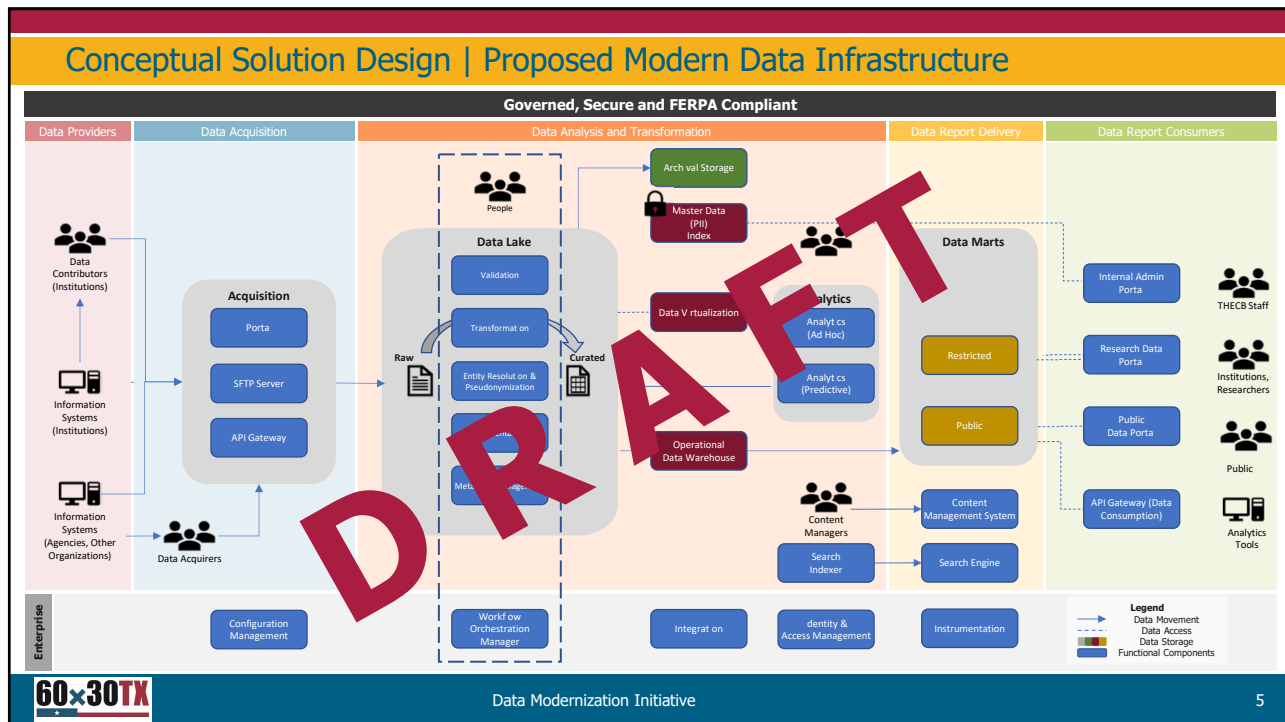
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Phase I: 3 Projects



Stakeholder Engagement & Data Architecture

	Discovery ~4 weeks Architecture Discovery	Customer Discovery	Solution Landscape ~4 weeks	Conceptual Solution Design & Roadmap ~3 weeks
Activities	<ul style="list-style-type: none"> Review existing data architecture design, data collection methods and processes, and data reporting processes and capabilities Review documentation Conduct internal interviews Document current state of architecture, collection and reporting capabilities Document key requirements and constraints of a future state system Identify high potential areas of opportunity for modernization, leveraging THECB's Guiding Principles 	<ul style="list-style-type: none"> Review existing service model – services provided, stakeholders impacted, value delivered Identify 20+ key stakeholders and conduct stakeholder interviews to identify challenges with and desires for the THECB data platform Develop primary use cases for the target stakeholders Summarize feedback from stakeholder interviews and identify key requirements for service enhancement Highlight opportunities to facilitate data sharing 	<ul style="list-style-type: none"> Identify 8-10 data platform and services providers that meet some or all of the requirements of THECB's goals Conduct an analysis of each offering, identifying the services they provide, the technologies they use, how their offering meets THECB's requirements, and best practices or differentiators Summarize landscape findings Identify landscape analysis implications for THECB's data architecture modernization design 	<ul style="list-style-type: none"> Based on information from Architecture and Customer Discovery and Landscape Analysis, develop recommendations for what THECB should do to improve their data architecture and in order to meet the defined requirements, including costs Review recommendations and requirements with key internal stakeholders Develop an implementation roadmap for reaching the future state, including prioritized projects, activities and roles Present roadmap to key stakeholders
Deliverables	<ul style="list-style-type: none"> ✓ Current-state document, including data and technical architecture diagrams ✓ Key requirements for and constraints of a future state system ✓ Summary of high potential areas for incorporating new technology or capability 	<ul style="list-style-type: none"> ✓ Consolidated report on stakeholder pain points with recommendations for improved data sharing and presentation, including primary use cases 	<ul style="list-style-type: none"> ✓ Summary report on external scan, including case studies ✓ Summary of technologies, capabilities or best practices for Client to consider recommending THECB incorporate 	<ul style="list-style-type: none"> ✓ Conceptual solution design ✓ High level implementation plan



- ## Next Steps
- Continue stakeholder engagement to refine requirements and priorities
 - Proceed with next phase architectural decisions and planning
 - Complete website assessment and begin implementation planning by Dec 2020
 - Complete governance assessment and recommendations, begin implementation by Jan 2021
- Data Modernization Initiative
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Questions?

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